

Since 1983



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**E.T.M. PRODUCTS PVT. LTD.**



## VISION

We Look Out For New Ideas, Modernize Progress And Expansion.  
To Understand, Appreciate And Work Efficiently Towards Various  
Needs Of Customer, Development And Continuous Upgradation  
Of Quality Products And Dedicated Services Is Our Endeavor.





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E. T. M. PRODUCTS PVT. LTD.

**S**INCE 1983 “**SHIVA**” STARTED STEP BY STEP TO GROW FROM PIPE THREADING TO MANUFACTURING SUBMERSIBLE FITTINGS, TURBINE COLUMNS, 8 TPI COLUMN PIPES AND BORE- WELL FLANGED COLUMNS. TO MEET GROWING NEEDS OF OUR VALUED CUSTOMERS WE ENTERED IN THE FIELD OF MILD STEEL [MS], GALVANIZED IRON [GI] PIPES & FITTINGS TRADE AS RETAILER & SEMI WHOLE SELLER.

**T**O COPE UP WITH NEW TECHNOLOGY AND TO MEET OUR CUSTOMER'S REQUIREMENTS, WE STARTED “**SAUMYA CREATORS**” AS P.V.C., U.P.V.C., C.P.V.C., H.D.P.E. PIPES & FITTINGS DEALER. FOR INDUSTRIAL PURPOSE WE HAVE INITIATED IN BUSINESS OF ALL TYPES OF FLANGES, BUT-WELDED FITTINGS, VALVES, ETC. WITH SATISFACTION OF OUR CUSTOMERS AND TO ENABLE HIGH-QUALITY PRODUCTS & DEDICATED SERVICES AT VERY COMPETITIVE & ECONOMICAL RATES.

**T**ILL NOW WE HAVE PROVIDED SATISFACTORY SERVICES TO OUR CUSTOMERS IN LIMITED AREAS. TO CATER TO THE NEEDS OF OUR CUSTOMERS IN THE GLOBAL MARKET WE ARE COMING UP WITH ALL THE PRODUCTS UNDER ONE SHELTER, I.E. UNDER THE NAME OF “**SHIVA E.T.M. PRODUCTS PVT. LTD.**” WITH OUR VISION, WHERE,

**[E]** EXPORTER, **[T]** TRADER, **[M]** MANUFACTURER. WE ARE READY TO SERVE YOU WITH DEDICATED PROFESSIONAL SERVICES. OUR ENDEAVOR IS TO SERVE YOU BETTER.

## **MISSION**

TO MEET GROWING NEEDS OF THE CUSTOMER IN THE FIELD OF DEDICATED SERVICES WE PROVIDE “HIGH QUALITY”, “INNOVATIVE & COST EFFECTIVE” PRODUCTS AND SERVICES.

## **GOAL**

TO DEVELOP CLIENTELE RELATION OF TRUST & HONESTY.

## **VISION**

WE LOOK OUT FOR NEW IDEAS, MODERNIZE PROGRESS AND EXPANSION. TO UNDERSTAND, APPRECIATE AND WORK EFFICIENTLY TOWARDS VARIOUS NEEDS OF CUSTOMER. DEVELOPMENT AND CONTINUOUS UPGRADATION OF QUALITY PRODUCTS AND DEDICATED SERVICES IS OUR ENDEAVOR.



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# PRESSURE REDUCING VALVES

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## CAST IRON PILOT OPERATED R - TYPE

|                     |                                                      |
|---------------------|------------------------------------------------------|
| BODY                | CAST IRON (IS 210 Gr FG 200)                         |
| TRIMS               | 18 Cr 8 Ni / 13 Cr                                   |
| MAX INLET PRESSURE  | (STEAM) 13 Kg/Cm <sup>2</sup> AT 220° C              |
| REDUCED PRESSURE    | 75% OF THE INLET PRESSURE TO 0.35 Kg/Cm <sup>2</sup> |
| MFG STD             | MARCK/010                                            |
| INSP & TEST STD     | MARCK/010                                            |
| ENDS                | FLANGED TO BS 10 TABLE "F" / "H"                     |
| HYD - TEST PRESSURE | BODY : 370 Psig (26 Kg/Cm <sup>2</sup> )             |
| <b>SIZE RANGE</b>   | <b>25 MM TO 100 MM</b>                               |

ITEM NO. 1



## CAST STEEL PILOT OPERATED R - TYPE

|                     |                                                      |
|---------------------|------------------------------------------------------|
| BODY                | CAST STEEL (ASTM A 216 Gr WCB)                       |
| TRIMS               | 18 Cr 8 Ni / 13 Cr                                   |
| MAX INLET PRESSURE  | (STEAM) 17.5 Kg/Cm <sup>2</sup> AT 427°C             |
| REDUCED PRESSURE    | 75% OF THE INLET PRESSURE TO 0.35 Kg/Cm <sup>2</sup> |
| INSP & TEST STD     | MARCK/010                                            |
| MFG STD             | MARCK/010                                            |
| ENDS                | FLANGED TO BS 10 TABLE "H"                           |
| HYD - TEST PRESSURE | BODY : 500 Psig (35 Kg/Cm <sup>2</sup> )             |
| <b>SIZE RANGE</b>   | <b>25 MM TO 100 MM</b>                               |

ITEM NO. 2



## SS INVESTMENT CASTING PRESSURE REDUCING VALVE DIRECT ACTIVATED FOR AIR/WATER/OIL/GAS & STEAM

|                           |                                                                                                        |
|---------------------------|--------------------------------------------------------------------------------------------------------|
| BODY                      | ASTM A 351 Gr CF8 / CF8M                                                                               |
| SEAT                      | BUNA-N (WATER) / VITON (STEAM)                                                                         |
| DIAPHRAGM                 | BUNA-N (WATER) / VITON (STEAM)                                                                         |
| SPRING                    | STAINLESS STEEL                                                                                        |
| ADJUSTING SYSTEM          | STAINLESS STEEL                                                                                        |
| ENDS                      | SCREWED TO BSP / BSPT / NPT<br>FLANGED END TO ASA-150#                                                 |
| HYD-TEST PRESSURE         | 40 Kg/Cm <sup>2</sup>                                                                                  |
| MAXIMUM INLET WORKING PR. | 18 Kg/Cm <sup>2</sup> , 28 Kg/Cm <sup>2</sup> , 40 Kg/Cm <sup>2</sup>                                  |
| PRESSURE ADJUSTING RANGE  | 1-6 Kg/Cm <sup>2</sup> , 4-10 Kg/Cm <sup>2</sup> , 12-25 Kg/Cm <sup>2</sup> , 20-35 Kg/Cm <sup>2</sup> |
| <b>SIZE RANGE</b>         | <b>15 MM TO 100 MM</b>                                                                                 |

ITEM NO. 3



## SS INVESTMENT CASTING SILENT SAFETY VALVE FOR AIR / WATER / OIL / GAS & STEAM

|                           |                                                                                 |
|---------------------------|---------------------------------------------------------------------------------|
| BODY                      | ASTM A 351 Gr CF8 / CF8M / CF3M                                                 |
| SPRING COVER              | ASTM A 351 Gr CF8 / CF8M / CF3M                                                 |
| PLUG                      | CF8 / CF8M / CF3M                                                               |
| SEAT                      | BUNA-N (WATER) / VITON (STEAM)                                                  |
| DIAPHRAGM                 | BUNA-N (WATER) / VITON (STEAM)                                                  |
| V-SEAL                    | BUNA-N (WATER) / VITON (STEAM)                                                  |
| SPRING                    | STAINLESS STEEL                                                                 |
| ADJUSTING SYSTEM          | STAINLESS STEEL                                                                 |
| ENDS                      | SCREWED TO BSP / BSPT / NPT<br>FLANGED END TO ASA-150#                          |
| HYD-TEST PRESS.           | 40 Kg/Cm <sup>2</sup>                                                           |
| MAXIMUM INLET WORKING PR. | 12 Kg/Cm <sup>2</sup> , 24 Kg/Cm <sup>2</sup> , 40 Kg/Cm <sup>2</sup>           |
| PRESSURE ADJUSTING RANGE  | 0.5-10 Kg/Cm <sup>2</sup> , 10-20 Kg/Cm <sup>2</sup> , 20-35 Kg/Cm <sup>2</sup> |
| <b>SIZE RANGE</b>         | <b>15 MM TO 100 MM</b>                                                          |

ITEM NO. 4





# STEAM TRAPS

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ITEM NO. 5



## CAST IRON HORIZONTAL FLOAT TYPE STEAM TRAP

|                    |                                          |
|--------------------|------------------------------------------|
| BODY               | CAST IRON (IS 210 Gr FG 200)             |
| COVER              | CAST IRON (IS 210 Gr FG 200)             |
| TRIMS              | 13 Cr / 18 Cr 8 Ni                       |
| MAX INLET PRESSURE | 10.54 Kg/Cm <sup>2</sup> AT 220°C        |
| MFG STD            | IS 12268                                 |
| INSP & TEST STD    | IS 12268                                 |
| ENDS               | SCREWED TO BSP                           |
| HYD-TEST PRESSURE  | BODY : 300 Psig (21 Kg/Cm <sup>2</sup> ) |
| SIZE RANGE         | <b>15 MM TO 50 MM</b>                    |

ITEM NO. 5 A



## CAST CARBON STEEL HORIZONTAL FLOAT TYPE STEAM TRAP

|                    |                                                                                                   |
|--------------------|---------------------------------------------------------------------------------------------------|
| BODY & COVER       | ASTM A 216 Gr WCB                                                                                 |
| TRIMS              | 13 Cr Steel (SS 410)                                                                              |
| MAX INLET PRESSURE | 10.54 Kg/Cm <sup>2</sup> AT 220°C                                                                 |
| MFG STD            | IS 12268                                                                                          |
| INSP & TEST STD    | IS 12268                                                                                          |
| ENDS               | SCREWED TO BSP/BSPT/NPT (FEMALE)/<br>SOCKETWELD END TO ANSI B 16.11<br>FLANGED END TO ANSI B 16.5 |
| HYD-TEST PRESSURE  | BODY : 455 Psig (32 Kg/Cm <sup>2</sup> )                                                          |
| SIZE RANGE         | <b>15 MM TO 50 MM</b>                                                                             |

ITEM NO. 6



## CAST IRON VERTICAL INVERTED BUCKET TYPE STEAM TRAP

|                    |                                          |
|--------------------|------------------------------------------|
| BODY               | CAST IRON (IS 210 Gr FG 200)             |
| COVER              | CAST IRON (IS 210 Gr FG 200)             |
| TRIMS              | 13 Cr / 18 Cr 8 Ni                       |
| MAX INLET PRESSURE | 10.54 Kg/Cm <sup>2</sup> AT 220°C        |
| MFG STD            | IS 12268                                 |
| INSP & TEST STD    | IS 12268                                 |
| ENDS               | SCREWED TO BSP                           |
| HYD-TEST PRESSURE  | BODY : 213 Psig (15 Kg/Cm <sup>2</sup> ) |
| SIZE RANGE         | <b>15 MM TO 50 MM</b>                    |

ITEM NO. 7



## CAST IRON HORIZONTAL INVERTED BUCKET TYPE STEAM TRAP

|                    |                                          |
|--------------------|------------------------------------------|
| BODY               | CAST IRON (IS 210 Gr FG 200)             |
| COVER              | CAST IRON (IS 210 Gr FG 200)             |
| TRIMS              | 13 Cr / 18 Cr 8 Ni                       |
| MAX INLET PRESSURE | 10.54 Kg/Cm <sup>2</sup> AT 220°C        |
| MFG STD            | IS 12268                                 |
| INSP & TEST STD    | IS 12268                                 |
| ENDS               | SCREWED TO BSP                           |
| HYD-TEST PRESSURE  | BODY : 300 Psig (21 Kg/Cm <sup>2</sup> ) |
| SIZE RANGE         | <b>15 MM TO 50 MM</b>                    |

## THERMODYNAMIC STEAM TRAP WITH INBUILT STRAINER HD - 3

|                     |                                             |
|---------------------|---------------------------------------------|
| BODY                | ASTM A 351 Gr CF8 / CA15                    |
| TRIMS               | 13 Cr / 18 Cr 8 Ni                          |
| MAX INLET PRESSURE  | 32 Kg/Cm <sup>2</sup> AT 425°C              |
| MINIMUM PRESSURE    | 0.25 Kg/Cm <sup>2</sup>                     |
| MAX. BACK PRESSURE  | SHOULD NOT EXCEED 80% OF THE INLET PRESSURE |
| ENDS                | SCREWED TO BSP                              |
| HYD - TEST PRESSURE | 911 Psig (64 Kg/Cm <sup>2</sup> )           |
| <b>SIZE RANGE</b>   | <b>15 MM TO 25 MM</b>                       |

ITEM NO. 8



## FORGED TD-3 THERMODYNAMIC STEAM TRAP WITH BUILT IN STRAINER 1500# SCREWED END OR SOCKETWELD END

|              |                                 |
|--------------|---------------------------------|
| BODY         | ASTM A 105 / ASTM A 182 Gr F 22 |
| DRAIN PLUG   | ASTM A 105 / ASTM A 182 Gr F 22 |
| SCREEN       | SS 304                          |
| OUTER        | ASTM A 105 / ASTM A 182 Gr F 22 |
| VALVE (DISC) | SS 410 (HARDENED)               |

PRESSUPRE - TEMP RATING CLASS 1500, ANSI B 16.34

### ASTM A 105

| MIN. TEMP °C | MAX. W.P. (Kg/Cm <sup>2</sup> ) |
|--------------|---------------------------------|
| 204          | 223                             |
| 427          | 145                             |

### ASTM A 182 Gr F 22

| MIN. TEMP °C | MAX. W.P. (Kg/Cm <sup>2</sup> ) |
|--------------|---------------------------------|
| 204          | 248                             |
| 593          | 39                              |

### SIZE RANGE

**15 MM TO 25 MM**

ITEM NO. 9



## CANCELLED

ITEM NO. 10

## FABRICATED VERTICAL CYCLONIC DESIGN

|                    |                                          |
|--------------------|------------------------------------------|
| BODY               | FABRICATED CARBON STEEL                  |
| TRIMS              | 13 Cr                                    |
| MAX INLET PRESSURE | 17.5 Kg/Cm <sup>2</sup>                  |
| MFG STD            | MARCK / 011                              |
| INSP & TEST STD    | MARCK / 011                              |
| ENDS               | FLANGED TO BS 10 TABLE "H" / DIN 2545    |
| HYD-TEST PRESSURE  | BODY : 500 Psig (35 Kg/Cm <sup>2</sup> ) |
| <b>SIZE RANGE</b>  | <b>25 MM TO 200 MM</b>                   |

ITEM NO. 11



## CANCELLED

ITEM NO. 12  
ITEM NO. 13  
ITEM NO. 14



# FORGED STEEL GATE VALVES

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ITEM NO. 15



## FORGED CARBON STEEL GATE VALVE ASA 800 CLASS OUTSIDE SCREW & YOKE TYPE BOLTED BONNET

|                   |                                                                                          |
|-------------------|------------------------------------------------------------------------------------------|
| BODY/BONNET       | ASTM A 105                                                                               |
| TRIMS             | 13 Cr                                                                                    |
| MFG STD           | API 602 / BS 5352                                                                        |
| INSP & TEST STD   | API 598 / BS 6755                                                                        |
| ENDS              | SCREWED TO BSP / BSPT / NPT<br>SOCKETWELD TO ANSI B 16.11                                |
| HYD-TEST PRESSURE | BODY : 3000 Psig (211 Kg/Cm <sup>2</sup> )<br>SEAT : 2000 Psig (140 Kg/Cm <sup>2</sup> ) |
| <b>SIZE RANGE</b> | <b>15 MM TO 50 MM</b>                                                                    |

ITEM NO. 16



## FORGED CARBON STEEL GATE VALVE ASA 1500 / 2500 CLASS OUTSIDE SCREW & YOKE TYPE BOLTED BONNET

|                   |                                                                                                                                                                                                                              |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| BODY / BONNET     | ASTM A 105                                                                                                                                                                                                                   |
| TRIMS             | 13 Cr                                                                                                                                                                                                                        |
| MFG STD           | API 602 / BS 5352                                                                                                                                                                                                            |
| INSP & TEST STD   | API 598 / BS 6755                                                                                                                                                                                                            |
| ENDS              | SCREWED TO BSPT / NPT<br>SOCKETWELD TO ANSI B 16.11                                                                                                                                                                          |
| HYD-TEST PRESSURE | BODY : 5400 Psig (379 Kg/Cm <sup>2</sup> ) FOR 1500#<br>SEAT : 4000 Psig (281 Kg/Cm <sup>2</sup> ) FOR 1500#<br>BODY : 9000 Psig (633 Kg/Cm <sup>2</sup> ) FOR 2500#<br>SEAT : 6600 Psig (464 Kg/Cm <sup>2</sup> ) FOR 2500# |
| <b>SIZE RANGE</b> | <b>15 MM TO 40 MM</b>                                                                                                                                                                                                        |

ITEM NO. 17



## FORGED CARBON STEEL GATE VALVE ASA 150 / 300 CLASS OUTSIDE SCREW & YOKE TYPE BOLTED BONNET

|                   |                                                                                                                                                                                                                   |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| BODY / BONNET     | ASTM A 105                                                                                                                                                                                                        |
| TRIMS             | 13 Cr                                                                                                                                                                                                             |
| MFG STD           | API 602 / BS 5352                                                                                                                                                                                                 |
| INSP & TEST STD   | API 598 / BS 6755                                                                                                                                                                                                 |
| ENDS              | FLANGED TO ANSI B 16.5 RF (150#/300#)                                                                                                                                                                             |
| HYD-TEST PRESSURE | BODY : 425 Psig (30 Kg/Cm <sup>2</sup> ) FOR 150#<br>SEAT : 300 Psig (21 Kg/Cm <sup>2</sup> ) FOR 150#<br>BODY : 1100 Psig (77 Kg/Cm <sup>2</sup> ) FOR 300#<br>SEAT : 800 Psig (56 Kg/Cm <sup>2</sup> ) FOR 300# |
| <b>SIZE RANGE</b> | <b>15 MM TO 50 MM</b>                                                                                                                                                                                             |

# FORGED STEEL GATE VALVES

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## OUTSIDE SCREWED & YOKE TYPE BOLTED BONNET

|                   |                                                                                          |
|-------------------|------------------------------------------------------------------------------------------|
| BODY / BONNET     | ASTM A 182 Gr F 304 / F 316                                                              |
| TRIMS             | 18 Cr 8 Ni / 18 Cr 10 Ni 2 MO                                                            |
| MFG STD           | API 602 / BS 5352                                                                        |
| INSP & TEST STD   | API 598 / BS 6755                                                                        |
| ENDS              | SCREWED TO BSP / BSPT / NPT<br>SOCKETWELD TO ANSI B 16.11                                |
| HYD-TEST PRESSURE | BODY : 3000 Psig (211 Kg/Cm <sup>2</sup> )<br>SEAT : 2000 Psig (140 Kg/Cm <sup>2</sup> ) |
| SIZE RANGE        | 15 MM TO 50 MM                                                                           |

ITEM NO. 18



## FORGED ALLOY STEEL GATE VALVE ASA 800 CLASS OUTSIDE SCREW & YOKE TYPE BOLTED BONNET

|                   |                                                                                          |
|-------------------|------------------------------------------------------------------------------------------|
| BODY / BONNET     | ASTM A 182 Gr F 11                                                                       |
| TRIMS             | 13 Cr TO AISI 410                                                                        |
| MFG STD           | API 602 / BS 5352                                                                        |
| INSP & TEST STD   | API 598 / BS 6755                                                                        |
| ENDS              | SCREWED TO BSP / BSPT / NPT<br>SOCKETWELD TO ANSI B 16.11                                |
| HYD-TEST PRESSURE | BODY : 3000 Psig (211 Kg/Cm <sup>2</sup> )<br>SEAT : 2000 Psig (140 Kg/Cm <sup>2</sup> ) |
| SIZE RANGE        | 15 MM TO 50 MM                                                                           |

ITEM NO. 18 A



## FORGED ALLOY STEEL GATE VALVE ASA 800 CLASS OUTSIDE SCREW & YOKE TYPE BOLTED BONNET

|                   |                                                                                          |
|-------------------|------------------------------------------------------------------------------------------|
| BODY / BONNET     | ASTM A 182 Gr F 22                                                                       |
| TRIMS             | 13 Cr TO AISI 410                                                                        |
| MFG STD           | API 602 / BS 5352                                                                        |
| INSP & TEST STD   | API 598 / BS 6755                                                                        |
| ENDS              | SCREWED TO BSP / BSPT / NPT<br>SOCKETWELD TO ANSI B 16.11                                |
| HYD-TEST PRESSURE | BODY : 3000 Psig (211 Kg/Cm <sup>2</sup> )<br>SEAT : 2000 Psig (140 Kg/Cm <sup>2</sup> ) |
| SIZE RANGE        | 15 MM TO 50 MM                                                                           |

ITEM NO. 18 B



## FORGED STAINLESS STEEL GATE VALVE ASA 1500 / 2500 CLASS OUTSIDE SCREW & YOKE TYPE BOLTED BONNET

|                   |                                                                                                                                                                                                                              |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| BODY / BONNET     | ASTM A 182 Gr F 304 / F 316                                                                                                                                                                                                  |
| TRIMS             | 18 Cr 8 Ni / 18 Cr 10 Ni - 2 MO                                                                                                                                                                                              |
| MFG STD           | API 602 / BS 5352                                                                                                                                                                                                            |
| INSP & TEST STD   | API 598 / BS 6755                                                                                                                                                                                                            |
| ENDS              | SCREWED TO BSPT / NPT<br>SOCKETWELD TO ANSI B 16.11                                                                                                                                                                          |
| HYD-TEST PRESSURE | BODY : 5400 Psig (379 Kg/Cm <sup>2</sup> ) FOR 1500#<br>SEAT : 4000 Psig (281 Kg/Cm <sup>2</sup> ) FOR 1500#<br>BODY : 9000 Psig (633 Kg/Cm <sup>2</sup> ) FOR 2500#<br>SEAT : 6600 Psig (464 Kg/Cm <sup>2</sup> ) FOR 2500# |
| SIZE RANGE        | 15 MM TO 40 MM                                                                                                                                                                                                               |

ITEM NO. 19





# FORGED STEEL GATE VALVES

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ITEM NO. 19 A



## FORGED ALLOY STEEL GATE VALVE ASA 1500 / 2500 CLASS OUTSIDE SCREW & YOKE TYPE BOLTED BONNET

BODY / BONNET

TRIMS

MFG STD

INSP & TEST STD

ENDS

HYD-TEST PRESSURE

13 Cr TO AISI 410

API 602 / BS 5352

API 598 / BS 6755

SCREWED TO BSPT / NPT

SOCKETWELD TO ANSI B 16.11

BODY : 5400 Psig (379 Kg/Cm<sup>2</sup>) FOR 1500#

SEAT : 4000 Psig (281 Kg/Cm<sup>2</sup>) FOR 1500#

BODY : 9000 Psig (633 Kg/Cm<sup>2</sup>) FOR 2500#

SEAT : 6600 Psig (464 Kg/Cm<sup>2</sup>) FOR 2500#

SIZE RANGE

15 MM TO 40 MM

ITEM NO. 19 B



## FORGED ALLOY STEEL GATE VALVE ASA 1500 / 2500 CLASS OUTSIDE SCREW & YOKE TYPE BOLTED BONNET

BODY / BONNET

TRIMS

MFG STD

INSP & TEST STD

ENDS

HYD-TEST PRESSURE

ASTM A 182 Gr F22

13 Cr TO AISI 410

API 602 / BS 5352

API 598 / BS 6755

SCREWED TO BSPT / NPT

SOCKETWELD TO ANSI B 16.11

BODY : 5400 Psig (379 Kg/Cm<sup>2</sup>) FOR 1500#

SEAT : 4000 Psig (281 Kg/Cm<sup>2</sup>) FOR 1500#

BODY : 9000 Psig (633 Kg/Cm<sup>2</sup>) FOR 2500#

SEAT : 6600 Psig (464 Kg/Cm<sup>2</sup>) FOR 2500#

SIZE RANGE

15 MM TO 40 MM

ITEM NO. 20



## FORGED STAINLESS STEEL GATE VALVE ASA 150 CLASS OUTSIDE SCREW & YOKE TYPE BOLTED BONNET

BODY / BONNET

TRIMS

MFG STD

INSP & TEST STD

ENDS

HYD-TEST PRESSURE

ASTM A 182 Gr F 304

18 Cr 8 Ni / 18 Cr 10 Ni - 2 MO

API 602 / BS 5352

API 598 / BS 6755

FLANGED TO ANSI B 16.5 RF (150#)

BODY : 425 Psig (30 Kg/Cm<sup>2</sup>)

SEAT : 300 Psig (21 Kg/Cm<sup>2</sup>)

SIZE RANGE

15 MM TO 50 MM

# GATE VALVES

shiva

## CAST STEEL GATE VALVE ASA 150 CLASS OUTSIDE SCREW & YOKE TYPE BOLTED BONNET

|                   |                                                                                      |
|-------------------|--------------------------------------------------------------------------------------|
| BODY / BONNET     | ASTM A 216 Gr WCB                                                                    |
| TRIMS             | 13 Cr / 18 Cr 8 Ni                                                                   |
| MFG STD           | API 600                                                                              |
| INSP & TEST STD   | API 598                                                                              |
| ENDS              | FLANGED TO ANSI B 16.5 RF (150#)                                                     |
| HYD-TEST PRESSURE | BODY : 425 Psig (30 Kg/Cm <sup>2</sup> )<br>SEAT : 300 Psig (21 Kg/Cm <sup>2</sup> ) |
| <b>SIZE RANGE</b> | <b>25 MM TO 1200 MM</b>                                                              |

ITEM NO. 21



## CAST STEEL GATE VALVE ASA 300 CLASS OUTSIDE SCREW & YOKE TYPE BOLTED BONNET

|                   |                                                                                       |
|-------------------|---------------------------------------------------------------------------------------|
| BODY / BONNET     | ASTM A 216 Gr WCB                                                                     |
| TRIMS             | 13 Cr / 18 Cr 8 Ni                                                                    |
| MFG STD           | API 600                                                                               |
| INSP & TEST STD   | API 598                                                                               |
| ENDS              | FLANGED TO ANSI B 16.5 RF (300#)                                                      |
| HYD-TEST PRESSURE | BODY : 1100 Psig (77 Kg/Cm <sup>2</sup> )<br>SEAT : 800 Psig (56 Kg/Cm <sup>2</sup> ) |
| <b>SIZE RANGE</b> | <b>25 MM TO 1000 MM</b>                                                               |

ITEM NO. 22



## CAST STEEL GATE VALVE ASA 600 CLASS OUTSIDE SCREW & YOKE TYPE BOLTED BONNET

|                   |                                                                                          |
|-------------------|------------------------------------------------------------------------------------------|
| BODY / BONNET     | ASTM A 216 Gr WCB                                                                        |
| TRIMS             | 13 Cr / 18 Cr 8 Ni                                                                       |
| MFG STD           | API 600                                                                                  |
| INSP & TEST STD   | API 598                                                                                  |
| ENDS              | FLANGED TO ANSI B 16.5 RF (600#)                                                         |
| HYD-TEST PRESSURE | BODY : 2175 Psig (153 Kg/Cm <sup>2</sup> )<br>SEAT : 1600 Psig (112 Kg/Cm <sup>2</sup> ) |
| <b>SIZE RANGE</b> | <b>40 MM TO 750 MM</b>                                                                   |

ITEM NO. 23



## CAST STEEL GATE VALVE ASA 900 / 1500 CLASS OUTSIDE SCREW & YOKE TYPE BOLTED BONNET

|                   |                                                                                                                                                                                                                            |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| BODY / BONNET     | ASTM A 216 Gr WCB                                                                                                                                                                                                          |
| TRIMS             | 13 Cr / 18 Cr 8 Ni                                                                                                                                                                                                         |
| MFG STD           | API 600                                                                                                                                                                                                                    |
| INSP & TEST STD   | API 598                                                                                                                                                                                                                    |
| ENDS              | FLANGED TO ANSI B 16.5 RF (900# / 1500#)                                                                                                                                                                                   |
| HYD-TEST PRESSURE | BODY : 3250 Psig (228 Kg/Cm <sup>2</sup> ) FOR 900#<br>SEAT : 2400 Psig (168 Kg/Cm <sup>2</sup> ) FOR 900#<br>BODY : 5575 Psig (392 Kg/Cm <sup>2</sup> ) FOR 1500#<br>SEAT : 4080 Psig (287 Kg/Cm <sup>2</sup> ) FOR 1500# |
| <b>SIZE RANGE</b> | <b>50 MM TO 600 MM</b>                                                                                                                                                                                                     |

ITEM NO. 24





ITEM NO. 25



## CAST IRON KNIFE EDGE GATE VALVE

|                    |                                          |
|--------------------|------------------------------------------|
| BODY               | CI IS 210 Gr FG 200                      |
| KNIFE PLATE        | AISI 304                                 |
| SEAT               | NITRILE / METAL TO METAL                 |
| PACKING            | PTFE                                     |
| INSP. AND TEST STD | MSS SP - 81                              |
| ENDS               | FLANGED / LUGGED TO ANSI B 16.5 RF       |
| HYD-TEST PRESSURE  | BODY : 71 Psig (5 Kg/Cm <sup>2</sup> )   |
|                    | SEAT : 40 Psig (2.8 Kg/Cm <sup>2</sup> ) |
| <b>SIZE RANGE</b>  | <b>50 MM TO 600 MM</b>                   |

ITEM NO. 26



## IC SINGLE SEATED KNIFE EDGE GATE VALVE

|                    |                                          |
|--------------------|------------------------------------------|
| BODY               | ASTM A 216 Gr WCB / CF8 / CF8M           |
| KNIFE PLATE        | ANSI S S 304                             |
| SEAT               | NITRILE                                  |
| PACKING            | PTFE                                     |
| INSP. AND TEST STD | MSS SP - 81                              |
| ENDS               | LUGGED TO ANSI B 16.5 RF                 |
| HYD-TEST PRESSURE  | BODY : 71 Psig (5 Kg/Cm <sup>2</sup> )   |
|                    | SEAT : 40 Psig (2.8 Kg/Cm <sup>2</sup> ) |
| <b>SIZE RANGE</b>  | <b>50 MM TO 300 MM</b>                   |

ITEM NO. 26 A



## KNIFE EDGE GATE VALVE "WIKI" MODEL

|                    |                                          |
|--------------------|------------------------------------------|
| BODY               | ASTM A 351 Gr CF8 / CF8M / CI / WCB      |
| KNIFE PLATE        | ASTM A 351 Gr CF8 / CF8M / CI / WCB      |
| SEAT               | NITRILE / METAL TO METAL                 |
| PACKING            | PTFE                                     |
| INSP. AND TEST STD | MSS SP - 81                              |
| ENDS               | FLANGED / LUGGED TO ANSI B16.5 RF (150#) |
| HYD-TEST PRESSURE  | BODY : 156 Psig (11 Kg/Cm <sup>2</sup> ) |
|                    | SEAT : 40 Psig (2.8 Kg/Cm <sup>2</sup> ) |
| <b>SIZE RANGE</b>  | <b>40 MM TO 750 MM</b>                   |

ITEM NO. 27



## CAST STAINLESS STEEL GATE VALVE ASA 150 CLASS OUTSIDE SCREW & YOKE TYPE BOLTED BONNET

|                   |                                          |
|-------------------|------------------------------------------|
| BODY / BONNET     | ASTM A 351 Gr CF 8 / CF 8M / CF3 / CF3M  |
| TRIMS             | 18 Cr 8 Ni / 18 Cr 10 Ni - 2 MO/CF       |
|                   | 3M OR AISI 316L                          |
| MFG STD           | API 600                                  |
| INSP & TEST STD   | API 598                                  |
| ENDS              | FLANGED TO ANSI B 16.5 RF (150#)         |
| HYD-TEST PRESSURE | BODY : 425 Psig (30 Kg/CM <sup>2</sup> ) |
|                   | SEAT : 300 Psig (21 Kg/Cm <sup>2</sup> ) |
| <b>SIZE RANGE</b> | <b>25 MM TO 1200 MM</b>                  |

# GATE VALVES

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## CAST STAINLESS STEEL GATE VALVE ASA 300 / 600 CLASS OUTSIDE SCREW & YOKE TYPE BOLTED BONNET

|                   |                                                                                                                                                                                 |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| BODY / BONNET     | ASTM A 351 Gr CF 8 / CF 8M / CF3 / CF3M                                                                                                                                         |
| TRIMS             | 18 Cr 8 Ni / 18 Cr 10 Ni - 2 MO /<br>CF3M OR AISI 316L                                                                                                                          |
| MFG STD           | API 600                                                                                                                                                                         |
| INSP & TEST STD   | API 598                                                                                                                                                                         |
| ENDS              | FLANGED TO ANSI B 16.5 RF (300# / 600#)                                                                                                                                         |
| HYD-TEST PRESSURE | BODY : 1100 Psig (77 Kg/Cm <sup>2</sup> ) / 2175 Psig (153 Kg/Cm <sup>2</sup> ) - 600#<br>SEAT : 800 Psig (56 Kg/Cm <sup>2</sup> ) / 1630 Psig (115 Kg/Cm <sup>2</sup> ) - 600# |
| <b>SIZE RANGE</b> | <b>25 MM TO 750 MM</b>                                                                                                                                                          |

ITEM NO. 28



## CAST IRON GATE VALVE ASA 125 CLASS OUTSIDE SCREW & YOKE TYPE BOLTED BONNET

|                   |                                                                                        |
|-------------------|----------------------------------------------------------------------------------------|
| BODY / BONNET     | IS 210 Gr FG 200/220                                                                   |
| TRIMS             | 13 Cr / 18 Cr 8 Ni                                                                     |
| MFG STD           | GENERALLY CONFORMING<br>TO API 600 / BS 5150                                           |
| INSP & TEST STD   | GENERALLY CONFORMING<br>TO API 598 / BS 6755                                           |
| ENDS              | FLANGED TO ANSI B 16.1 FF (125#)                                                       |
| HYD-TEST PRESSURE | BODY : 225 Psig (16 Kg/Cm <sup>2</sup> )<br>SEAT : 165 Psig (11.5 Kg/Cm <sup>2</sup> ) |
| <b>SIZE RANGE</b> | <b>25 MM TO 800 MM</b>                                                                 |

ITEM NO. 29



## STAINLESS STEEL BAR STOCK GATE VALVE 150 / 300 CLASS INSIDE SCREW TYPE, SCREWED BONNET

|                   |                                                                                                                                                                                                                   |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| BODY / BONNET     | AISI 304                                                                                                                                                                                                          |
| TRIMS             | AISI 304                                                                                                                                                                                                          |
| MFG STD           | GENERALLY CONFORMING TO BS 5352                                                                                                                                                                                   |
| INSP & TEST STD   | BS 6755                                                                                                                                                                                                           |
| ENDS              | SCREWED TO BSP / BSPT / NPT<br>SOCKETWELD ENDS TO ANSI B 16.11<br>FLANGED TO BS 10 TABLE "F" / "H"<br>FLANGED TO ANSI B 16.5 RF (150# / 300#)                                                                     |
| HYD-TEST PRESSURE | BODY : 425 Psig (30 Kg/Cm <sup>2</sup> ) FOR 150#<br>SEAT : 300 Psig (21 Kg/Cm <sup>2</sup> ) FOR 150#<br>BODY : 1100 Psig (77 Kg/Cm <sup>2</sup> ) FOR 300#<br>SEAT : 800 Psig (56 Kg/Cm <sup>2</sup> ) FOR 300# |
| <b>SIZE RANGE</b> | <b>15 MM TO 100 MM</b>                                                                                                                                                                                            |

ITEM NO. 30



## STAINLESS STEEL BAR STOCK GATE VALVE 150 CLASS INSIDE SCREW TYPE, SCREWED BONNET

|                   |                                                                                                        |
|-------------------|--------------------------------------------------------------------------------------------------------|
| BODY / BONNET     | AISI 316                                                                                               |
| TRIMS             | AISI 316                                                                                               |
| MFG STD           | GENERALLY CONFORMING TO BS 5352                                                                        |
| INSP & TEST STD   | BS 6755                                                                                                |
| ENDS              | SCREWED TO BSP / BSPT / NPT<br>SOCKETWELD ENDS TO ANSI B 16.11<br>FLANGED TO ANSI B 16.5 RF (150#)     |
| HYD-TEST PRESSURE | BODY : 425 Psig (30 Kg/Cm <sup>2</sup> ) FOR 150#<br>SEAT : 300 Psig (21 Kg/Cm <sup>2</sup> ) FOR 150# |
| <b>SIZE RANGE</b> | <b>15 MM TO 100 MM</b>                                                                                 |

ITEM NO. 30 A



**CANCELLED**

ITEM NO. 31



# FORGED STEEL GLOBE VALVES

shiva

ITEM NO. 32



## FORGED CARBON STEEL GLOBE VALVE ASA 800 CLASS OUTSIDE SCREW & YOKE TYPE BOLTED BONNET

|                   |                                                                                          |
|-------------------|------------------------------------------------------------------------------------------|
| BODY / BONNET     | ASTM A 105                                                                               |
| TRIMS             | 13 Cr                                                                                    |
| MFG STD           | BS 5352                                                                                  |
| INSP & TEST STD   | BS 6755                                                                                  |
| ENDS              | SCREWED TO BSP / BSPT / NPT<br>SOCKETWELD TO ANSI B 16.11<br>BUTTWELD END                |
| HYD-TEST PRESSURE | BODY : 3000 Psig (211 Kg/Cm <sup>2</sup> )<br>SEAT : 2000 Psig (140 Kg/Cm <sup>2</sup> ) |
| SIZE RANGE        | 15 MM TO 50 MM                                                                           |

ITEM NO. 33



## FORGED CARBON STEEL GLOBE VALVE 1500 / 2500 CLASS OUTSIDE SCREW & YOKE TYPE BOLTED BONNET

|                   |                                                                                                                                                                                                                              |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| BODY / BONNET     | ASTM A 105                                                                                                                                                                                                                   |
| TRIMS             | 13 Cr                                                                                                                                                                                                                        |
| MFG STD           | BS 5352                                                                                                                                                                                                                      |
| INSP & TEST STD   | BS 6755                                                                                                                                                                                                                      |
| ENDS              | SCREWED TO BSP / BSPT / NPT<br>SOCKETWELD TO ANSI B 16.11                                                                                                                                                                    |
| HYD-TEST PRESSURE | BODY : 5400 Psig (379 Kg/Cm <sup>2</sup> ) FOR 1500#<br>SEAT : 4000 Psig (281 Kg/Cm <sup>2</sup> ) FOR 1500#<br>BODY : 9000 Psig (633 Kg/Cm <sup>2</sup> ) FOR 2500#<br>SEAT : 6600 Psig (464 Kg/Cm <sup>2</sup> ) FOR 2500# |
| SIZE RANGE        | 15 MM TO 40 MM                                                                                                                                                                                                               |

ITEM NO. 34



## FORGED CARBON STEEL GLOBE VALVE ASA 150 / 300 CLASS OUTSIDE SCREW & YOKE TYPE BOLTED BONNET

|                   |                                                                                                                                                                                                                 |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| BODY / BONNET     | ASTM A 105                                                                                                                                                                                                      |
| TRIMS             | 18 Cr                                                                                                                                                                                                           |
| MFG STD           | BS 5352                                                                                                                                                                                                         |
| INSP & TEST STD   | BS 6755                                                                                                                                                                                                         |
| ENDS              | FLANGED TO ANSI B 16.5 RF (150#/300#)                                                                                                                                                                           |
| HYD-TEST PRESSURE | BODY : 425 Psig (30 Kg/Cm <sup>2</sup> ) FOR 150#<br>SEAT : 300 Psig (21 Kg/Cm <sup>2</sup> ) FOR 150#<br>BODY : 1100 Psig (77KG/CM <sup>2</sup> ) FOR 300#<br>SEAT : 800 Psig (56KG/CM <sup>2</sup> ) FOR 300# |
| SIZE RANGE        | 15 MM TO 50 MM                                                                                                                                                                                                  |

ITEM NO. 35



## FORGED S/STEEL GLOBE VALVE ASA 800 CLASS OUTSIDE SCREW & YOKE TYPE BOLTED BONNET

|                   |                                                                                          |
|-------------------|------------------------------------------------------------------------------------------|
| BODY / BONNET     | ASTM A 182 Gr F 304 / F 316                                                              |
| TRIMS             | 18 Cr 8 Ni / 18 Cr 10Ni - 2MO                                                            |
| MFG STD           | BS 5352                                                                                  |
| INSP & TEST STD   | BS 5146 / BS 6755                                                                        |
| ENDS              | SCREWED TO BSP / BSPT / NPT<br>SOCKETWELD TO ANSI B 16.11                                |
| HYD-TEST PRESSURE | BODY : 3000 Psig (211 Kg/Cm <sup>2</sup> )<br>SEAT : 2000 Psig (140 Kg/Cm <sup>2</sup> ) |
| SIZE RANGE        | 15 MM TO 50 MM                                                                           |

# FORGED STEEL GLOBE VALVES

shiva

## FORGED ALLOY STEEL GLOBE VALVE ASA 800 CLASS OUTSIDE SCREW & YOKE TYPE BOLTED BONNET

|                   |                                                                                          |
|-------------------|------------------------------------------------------------------------------------------|
| BODY / BONNET     | ASTM A 182 Gr F 11                                                                       |
| TRIMS             | 13 Cr TO AISI 410                                                                        |
| MFG STD           | API 602 / BS 5352                                                                        |
| INSP & TEST STD   | API 598 / BS 6755                                                                        |
| ENDS              | SCREWED TO BSP / BSPT / NPT<br>SOCKETWELD TO ANSI B 16.11                                |
| HYD-TEST PRESSURE | BODY : 3000 Psig (211 Kg/Cm <sup>2</sup> )<br>SEAT : 2000 Psig (140 Kg/Cm <sup>2</sup> ) |
| <b>SIZE RANGE</b> | <b>15 MM TO 50 MM</b>                                                                    |

ITEM NO. 35 A



## FORGED ALLOY STEEL GLOBE VALVE ASA 800 CLASS OUTSIDE SCREW & YOKE TYPE BOLTED BONNET

|                   |                                                                                          |
|-------------------|------------------------------------------------------------------------------------------|
| BODY / BONNET     | ASTM A 182 Gr F 22                                                                       |
| TRIMS             | 13 Cr TO AISI 410                                                                        |
| MFG STD           | API 602 / BS 5352                                                                        |
| INSP & TEST STD   | API 598 / BS 6755                                                                        |
| ENDS              | SCREWED TO BSP / BSPT / NPT<br>SOCKETWELD TO ANSI B 16.11                                |
| HYD-TEST PRESSURE | BODY : 3000 Psig (211 Kg/Cm <sup>2</sup> )<br>SEAT : 2000 Psig (140 Kg/Cm <sup>2</sup> ) |
| <b>SIZE RANGE</b> | <b>15 MM TO 50 MM</b>                                                                    |

ITEM NO. 35 B



## FORGED S/STEEL GLOBE VALVE ASA 1500 / 2500 CLASS OUTSIDE SCREW & YOKE TYPE BOLTED BONNET

|                   |                                                                                                                                                                                                                              |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| BODY / BONNET     | ASTM A 182 Gr F 304 / F 316                                                                                                                                                                                                  |
| TRIMS             | 18 Cr 8 Ni / 18 Cr 10 Ni - 2MO                                                                                                                                                                                               |
| MFG STD           | BS 5352                                                                                                                                                                                                                      |
| INSP & TEST STD   | BS 5146 / BS 6755                                                                                                                                                                                                            |
| ENDS              | SCREWED TO BSPT / NPT<br>SOCKETWELD TO ANSI B 16.11                                                                                                                                                                          |
| HYD-TEST PRESSURE | BODY : 5400 Psig (379 Kg/Cm <sup>2</sup> ) FOR 1500#<br>SEAT : 4000 Psig (281 Kg/Cm <sup>2</sup> ) FOR 1500#<br>BODY : 9000 Psig (633 Kg/Cm <sup>2</sup> ) FOR 2500#<br>SEAT : 6600 Psig (464 Kg/Cm <sup>2</sup> ) FOR 2500# |
| <b>SIZE RANGE</b> | <b>20 MM TO 40 MM</b>                                                                                                                                                                                                        |

ITEM NO. 36



## FORGED ALLOY STEEL GLOBE VALVE ASA 1500 / 2500# OUTSIDE SCREW & YOKE TYPE BOLTED BONNET

|                   |                                                                                                                                                                                                                              |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| BODY / BONNET     | ASTM A 182 Gr F 11                                                                                                                                                                                                           |
| TRIMS             | 18 Cr TO AISI 410                                                                                                                                                                                                            |
| MFG STD           | BS 5352                                                                                                                                                                                                                      |
| INSP & TEST STD   | BS 6755                                                                                                                                                                                                                      |
| ENDS              | SCREWED TO BSPT / NPT<br>SOCKETWELD TO ANSI B 16.11                                                                                                                                                                          |
| HYD-TEST PRESSURE | BODY : 5400 Psig (379 Kg/Cm <sup>2</sup> ) FOR 1500#<br>SEAT : 4000 Psig (281 Kg/Cm <sup>2</sup> ) FOR 1500#<br>BODY : 9000 Psig (633 Kg/Cm <sup>2</sup> ) FOR 2500#<br>SEAT : 6600 Psig (464 Kg/Cm <sup>2</sup> ) FOR 2500# |
| <b>SIZE RANGE</b> | <b>15 MM TO 40 MM</b>                                                                                                                                                                                                        |

ITEM NO. 36 A





ITEM NO. 36 B



## FORGED ALLOY STEEL GLOBE VALVE ASA 1500 / 2500 CLASS OUTSIDE SCREW & YOKE TYPE BOLTED BONNET

BODY / BONNET  
TRIMS  
MFG STD  
INSP & TEST STD  
ENDS

HYD-TEST PRESSURE

ASTM A 182 Gr F 22  
13 Cr TO AISI 410  
BS 5352  
BS 6755  
SCREWED TO BSPT / NPT  
SOCKETWELD TO ANSI B 16.11  
BODY : 5400 Psig (379 Kg/Cm<sup>2</sup>) FOR 1500#  
SEAT : 4000 Psig (281 Kg/Cm<sup>2</sup>) FOR 1500#  
BODY : 9000 Psig (633 Kg/Cm<sup>2</sup>) FOR 2500#  
SEAT : 6600 Psig (464 Kg/Cm<sup>2</sup>) FOR 2500#  
**SIZE RANGE**  
**15 MM TO 40 MM**

ITEM NO. 37



## FORGED S/STEEL GLOBE VALVE ASA 150 CLASS OUTSIDE SCREW & YOKE TYPE BOLTED BONNET

BODY / BONNET  
TRIMS  
MFG STD  
INSP & TEST STD  
ENDS  
HYD-TEST PRESSURE

**SIZE RANGE**

ASTM A 182 Gr F 304  
18 Cr 8 Ni / 18 Cr 10 Ni - 2MO  
BS 5352  
BS 6755  
FLANGED TO ANSI B 16.5 RF (150#)  
BODY : 425 Psig (30 Kg/Cm<sup>2</sup>)  
SEAT : 300 Psig (21 Kg/Cm<sup>2</sup>)  
**SIZE RANGE**  
**15 MM TO 50 MM**

ITEM NO. 38



## CAST STEEL GLOBE VALVE PN 40 RATING OUTSIDE SCREW & YOKE TYPE BOLTED BONNET

BODY / BONNET  
TRIMS  
MFG STD

INSP & TEST STD  
ENDS  
HYD-TEST PRESSURE

**SIZE RANGE**

ASTM A 216 Gr WCB  
13 Cr / 18 Cr 8 Ni  
GENERALLY CONFORMING TO  
BS 1873/DIN 3356  
BS 6755  
FLANGED TO DIN 2545  
BODY : 854 Psig (60 Kg/Cm<sup>2</sup>)  
SEAT : 569 Psig (40 Kg/Cm<sup>2</sup>)  
**SIZE RANGE**  
**15 MM TO 350 MM**

ITEM NO. 39

**CANCELLED**

ITEM NO. 40



## CAST STEEL GLOBE VALVE ASA 150 CLASS OUTSIDE SCREW & YOKE TYPE BOLTED BONNET

BODY / BONNET  
TRIMS  
MFG STD  
INSP & TEST STD  
ENDS  
HYD-TEST PRESSURE

**SIZE RANGE**

ASTM A 216 Gr WCB  
13 Cr / 18 Cr 8 Ni  
BS 1873  
BS 6755  
FLANGED TO ANSI B 16.5 RF (150#)  
BODY : 425 Psig (30 Kg/Cm<sup>2</sup>)  
SEAT : 300 Psig (21 Kg/Cm<sup>2</sup>)  
**SIZE RANGE**  
**15 MM TO 1200 MM**

## CAST STEEL GLOBE VALVE ASA 300 CLASS OUTSIDE SCREW & YOKE TYPE BOLTED BONNET

|                   |                                                                                       |
|-------------------|---------------------------------------------------------------------------------------|
| BODY / BONNET     | ASTM A 216 Gr WCB                                                                     |
| TRIMS             | 13 Cr / 18 Cr 8 Ni                                                                    |
| MFG STD           | BS 1873                                                                               |
| INSP & TEST STD   | BS 6755                                                                               |
| ENDS              | FLANGED TO ANSI B 16.5 RF (300#)                                                      |
| HYD-TEST PRESSURE | BODY : 1100 Psig (77 Kg/Cm <sup>2</sup> )<br>SEAT : 800 Psig (56 Kg/Cm <sup>2</sup> ) |
| <b>SIZE RANGE</b> | <b>15 MM TO 1000 MM</b>                                                               |

ITEM NO. 41



## CAST CARBON STEEL GLOBE VALVE ASA 600 CLASS OUTSIDE SCREW & YOKE TYPE BOLTED BONNET

|                   |                                                                                          |
|-------------------|------------------------------------------------------------------------------------------|
| BODY / BONNET     | ASTM A 216 Gr WCB                                                                        |
| TRIMS             | 13 Cr / 18 Cr 8 Ni                                                                       |
| MFG STD           | BS 1873                                                                                  |
| INSP & TEST STD   | BS 6755                                                                                  |
| ENDS              | FLANGED TO ANSI B 16.5 RF (600#)                                                         |
| HYD-TEST PRESSURE | BODY : 2175 Psig (153 Kg/Cm <sup>2</sup> )<br>SEAT : 1600 Psig (112 Kg/Cm <sup>2</sup> ) |
| <b>SIZE RANGE</b> | <b>25 MM TO 750 MM</b>                                                                   |

ITEM NO. 42



## CAST STEEL GLOBE VALVE ASA 900 CLASS OUTSIDE SCREW & YOKE TYPE BOLTED BONNET

|                   |                                                                                          |
|-------------------|------------------------------------------------------------------------------------------|
| BODY / BONNET     | ASTM A 216 Gr WCB                                                                        |
| TRIMS             | 13 Cr / 18 Cr 8 Ni                                                                       |
| MFG STD           | BS 1873                                                                                  |
| INSP & TEST STD   | BS 6755                                                                                  |
| ENDS              | FLANGED TO ANSI B 16.5 RF (900#)                                                         |
| HYD-TEST PRESSURE | BODY : 3250 Psig (228 Kg/Cm <sup>2</sup> )<br>SEAT : 2400 Psig (168 Kg/Cm <sup>2</sup> ) |
| <b>SIZE RANGE</b> | <b>40 MM TO 600 MM</b>                                                                   |

ITEM NO. 43



## CAST STEEL GLOBE VALVE ASA 1500 CLASS OUTSIDE SCREW & YOKE TYPE BOLTED BONNET

|                   |                                                                                          |
|-------------------|------------------------------------------------------------------------------------------|
| BODY / BONNET     | ASTM A 216 Gr WCB                                                                        |
| TRIMS             | 13 Cr / 18 Cr 8 Ni                                                                       |
| MFG STD           | BS 1873                                                                                  |
| INSP & TEST STD   | BS 6755                                                                                  |
| ENDS              | FLANGED TO ANSI B 16.5 RF (1500#)                                                        |
| HYD-TEST PRESSURE | BODY : 5400 Psig (379 Kg/Cm <sup>2</sup> )<br>SEAT : 4000 Psig (281 Kg/Cm <sup>2</sup> ) |
| <b>SIZE RANGE</b> | <b>50 MM TO 600 MM</b>                                                                   |

ITEM NO. 44





ITEM NO. 45



## CAST S/STEEL GLOBE VALVE ASA 150 CLASS OUTSIDE SCREW & YOKE TYPE BOLTED BONNET

BODY / BONNET  
TRIMS

ASTM A 351 Gr CF8 / CF8M / CF3M  
18 Cr 8 Ni / 18 Cr 10 Ni - 2 MO /  
CF3M OR AISI 316L

MFG STD  
INSP & TEST STD  
ENDS  
HYD-TEST PRESSURE

BS 1873  
BS 6755  
FLANGED TO ANSI B 16.5 RF (150#)  
BODY : 425 Psig (30 Kg/Cm<sup>2</sup>)  
SEAT : 300 Psig (21KG/Cm<sup>2</sup>)

**SIZE RANGE**

**15 MM TO 1200 MM**

ITEM NO. 46



## CAST S/STEEL GLOBE VALVE PN 40 RATING OUTSIDE SCREW & YOKE TYPE BOLTED BONNET

BODY / BONNET  
TRIMS

ASTM A 351 Gr CF8 / CF8M  
18 Cr 8 Ni / 18 Cr 10 Ni - 2 MO /  
CF3M OR AISI 316L

MFG STD  
INSP & TEST STD  
ENDS  
HYD-TEST PRESSURE

BS 1873 / DIN 3356  
BS 6755  
FLANGED TO DIN 2545  
BODY : 854 Psig (60 Kg/Cm<sup>2</sup>)  
SEAT : 569 Psig (40 Kg/Cm<sup>2</sup>)

**SIZE RANGE**

**15 MM TO 400 MM**

ITEM NO. 47



## CAST S/STEEL GLOBE VALVE ASA 300# OUTSIDE SCREW & YOKE TYPE BOLTED BONNET

BODY / BONNET  
TRIMS

ASTM A 351 Gr CF8 / CF8M  
18 Cr 8 Ni / 18 Cr 10 Ni - 2 MO / CF3M

MFG STD  
INSP & TEST STD  
ENDS  
HYD-TEST PRESSURE

BS 1873  
BS 6755  
FLANGED TO ANSI B 16.5 RF (300#)  
BODY : 1100 Psig (77 Kg/Cm<sup>2</sup>)  
SEAT : 800 Psig (56 Kg/Cm<sup>2</sup>)

**SIZE RANGE**

**15 MM TO 1000 MM**

ITEM NO. 48



## CAST S/STEEL GLOBE VALVE ASA 600 CLASS OUTSIDE SCREW & YOKE TYPE BOLTED BONNET

BODY / BONNET  
TRIMS

ASTM A 351 Gr CF8 / CF8M  
18 Cr 8 Ni / 18 Cr 10 Ni - 2 MO / CF3M

MFG STD  
INSP & TEST STD  
ENDS  
HYD-TEST PRESSURE

BS 1873  
BS 6755  
FLANGED TO ANSI B 16.5 RF (600#)  
BODY : 2175 Psig (153 Kg/Cm<sup>2</sup>)  
SEAT : 1600 Psig (112 Kg/Cm<sup>2</sup>)

**SIZE RANGE**

**25 MM TO 750 MM**

# GLOBE VALVES

shiva

## CAST IRON GLOBE VALVE PN 10/ PN 16 RATING OUTSIDE SCREW & YOKE TYPE BOLTED BONNET

|                   |                                                                                      |
|-------------------|--------------------------------------------------------------------------------------|
| BODY / BONNET     | IS 210 Gr FG 200/220                                                                 |
| TRIMS             | 13 Cr / 18 Cr 8 Ni                                                                   |
| MFG STD           | GENERALLY CONFORMING TO BS 1873                                                      |
| INSP & TEST STD   | BS 6755                                                                              |
| ENDS              | FLANGED TO DIN 2533 2532 FOR PN 10<br>FLANGED TO DIN 2533 FOR PN 16                  |
| HYD-TEST PRESSURE | BODY : 213 Psig (15 Kg/Cm <sup>2</sup> )<br>SEAT : 142 Psig (10 Kg/Cm <sup>2</sup> ) |
| <b>SIZE RANGE</b> | <b>15 MM TO 250 MM</b>                                                               |

ITEM NO. 49



## STAINLESS STEEL BAR STOCK GLOBE VALVE 150 INSIDE SCREW TYPE SCREWED BONNET

|                   |                                                                                                                                      |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| BODY / BONNET     | AISI 304 / AISI 316                                                                                                                  |
| TRIMS             | AISI 304 / AISI 316                                                                                                                  |
| MFG STD           | GENERALLY CONFORMING TO BS 5352                                                                                                      |
| INSP & TEST STD   | BS 6755                                                                                                                              |
| ENDS              | SCREWED TO BSP / BSPT / NPT<br>SOCKETWELD ENDS TO ANSI B 16.11<br>FLANGED TO BS 10 TABLE "F" / "H"<br>FLANGED TO ANSI B 16.5 (150 #) |
| HYD-TEST PRESSURE | BODY : 425 Psig (30 Kg/Cm <sup>2</sup> ) FOR 150#<br>SEAT : 300 Psig (21 Kg/Cm <sup>2</sup> ) FOR 150#                               |
| <b>SIZE RANGE</b> | <b>8 MM TO 80 MM</b>                                                                                                                 |

ITEM NO. 50



Cert. No. : 44 100 960515-E3



Cert. No. : 44 104 15390584



Cert. No. : 44 116 15390584



IS : 5312  
IS : 13095



Firesafe  
Certified Valves



ITEM NO. 51



## FORGED CARBON STEEL CHECK VALVE ASA 800 CLASS PISTON LIFT TYPE BOLTED COVER

|                   |                                                                                          |
|-------------------|------------------------------------------------------------------------------------------|
| BODY / COVER      | ASTM A 105                                                                               |
| TRIMS             | 13 Cr                                                                                    |
| MFG STD           | BS 5352                                                                                  |
| INSP & TEST STD   | BS 6755                                                                                  |
| ENDS              | SCREWED TO BSP / BSPT / NPT<br>SOCKETWELD TO ANSI B 16.11                                |
| HYD-TEST PRESSURE | BODY : 3000 Psig (211 Kg/Cm <sup>2</sup> )<br>SEAT : 2000 Psig (140 Kg/Cm <sup>2</sup> ) |
| SIZE RANGE        | 15 MM TO 50 MM                                                                           |

ITEM NO. 52



## FORGED CARBON STEEL CHECK VALVE ASA 1500 / 2500 CLASS PISTON LIFT TYPE BOLTED COVER

|                   |                                                                                                                                                                                                                              |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| BODY / COVER      | ASTM A 105                                                                                                                                                                                                                   |
| TRIMS             | 13 Cr                                                                                                                                                                                                                        |
| MFG STD           | BS 5352                                                                                                                                                                                                                      |
| INSP & TEST STD   | BS 6755                                                                                                                                                                                                                      |
| ENDS              | SCREWED TO BSPT / NPT<br>SOCKETWELD TO ANSI B 16.11                                                                                                                                                                          |
| HYD-TEST PRESSURE | BODY : 5400 Psig (379 Kg/Cm <sup>2</sup> ) FOR 1500#<br>SEAT : 4000 Psig (281 Kg/Cm <sup>2</sup> ) FOR 1500#<br>BODY : 9000 Psig (633 Kg/Cm <sup>2</sup> ) FOR 2500#<br>SEAT : 6600 Psig (464 Kg/Cm <sup>2</sup> ) FOR 2500# |
| SIZE RANGE        | 15 MM TO 40 MM                                                                                                                                                                                                               |

ITEM NO. 53



## FORGED CARBON STEEL CHECK VALVE ASA 150 / 300 CLASS PISTON LIFT TYPE BOLTED COVER

|                   |                                                                                                                                                                                                                   |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| BODY / COVER      | ASTM A 105                                                                                                                                                                                                        |
| TRIMS             | 13 Cr                                                                                                                                                                                                             |
| MFG STD           | BS 5352                                                                                                                                                                                                           |
| INSP & TEST STD   | BS 6755                                                                                                                                                                                                           |
| ENDS              | FLANGED TO ANSI B 16.5 RF (150#/300#)                                                                                                                                                                             |
| HYD-TEST PRESSURE | BODY : 425 Psig (30 Kg/Cm <sup>2</sup> ) FOR 150#<br>SEAT : 300 Psig (30 Kg/Cm <sup>2</sup> ) FOR 150#<br>BODY : 1100 Psig (77 Kg/Cm <sup>2</sup> ) FOR 300#<br>SEAT : 800 Psig (56 Kg/Cm <sup>2</sup> ) FOR 300# |
| SIZE RANGE        | 15 MM TO 50 MM                                                                                                                                                                                                    |

ITEM NO. 54



## FORGED S/STEEL CHECK VALVE ASA 800 CLASS PISTON LIFT TYPE BOLTED COVER

|                   |                                                                                          |
|-------------------|------------------------------------------------------------------------------------------|
| BODY / COVER      | ASTM A 182 Gr F 304 / F 316                                                              |
| TRIMS             | 18 Cr 8 Ni / 18 Cr 10 Ni - 2MO                                                           |
| MFG STD           | BS 5352                                                                                  |
| INSP & TEST STD   | BS 6755                                                                                  |
| ENDS              | SCREWED TO BSP/BSPT/NPT<br>SOCKETWELD TO ANSI B 16.11                                    |
| HYD-TEST PRESSURE | BODY : 3000 Psig (211 Kg/Cm <sup>2</sup> )<br>SEAT : 2000 Psig (140 Kg/Cm <sup>2</sup> ) |
| SIZE RANGE        | 15 MM TO 50 MM                                                                           |

## FORGED STEEL NON RETURN / CHECK VALVES

shiva

### FORGED ALLOY STEEL CHECK VALVE ASA 800 CLASS OUTSIDE SCREW & YOKE TYPE BOLTED COVER

|                   |                                                                                          |
|-------------------|------------------------------------------------------------------------------------------|
| BODY / COVER      | ASTM A 182 Gr F 11                                                                       |
| TRIMS             | 13 Cr TO AISI 410                                                                        |
| MFG STD           | BS 5352                                                                                  |
| INSP & TEST STD   | BS 6755                                                                                  |
| ENDS              | SCREWED TO BSP / BSPT / NPT<br>SOCKETWELD TO ANSI B 16.11                                |
| HYD-TEST PRESSURE | BODY : 3000 Psig (211 Kg/Cm <sup>2</sup> )<br>SEAT : 2000 Psig (140 Kg/Cm <sup>2</sup> ) |
| <b>SIZE RANGE</b> | <b>15 MM TO 50 MM</b>                                                                    |

ITEM NO. 54 A



### FORGED ALLOY STEEL CHECK VALVE ASA 800 CLASS OUTSIDE SCREW & YOKE TYPE BOLTED COVER

|                   |                                                                                          |
|-------------------|------------------------------------------------------------------------------------------|
| BODY / COVER      | ASTM A 182 Gr F 22                                                                       |
| TRIMS             | 13 Cr TO AISI 410                                                                        |
| MFG STD           | BS 5352                                                                                  |
| INSP & TEST STD   | BS 6755                                                                                  |
| ENDS              | SCREWED TO BSP / BSPT / NPT<br>SOCKETWELD TO ANSI B 16.11                                |
| HYD-TEST PRESSURE | BODY : 3000 Psig (211 Kg/Cm <sup>2</sup> )<br>SEAT : 2000 Psig (140 Kg/Cm <sup>2</sup> ) |
| <b>SIZE RANGE</b> | <b>15 MM TO 50 MM</b>                                                                    |

ITEM NO. 54 B



### FORGED S/STEEL CHECK VALVE ASA 1500 / 2500 CLASS PISTON LIFT TYPE BOLTED COVER

|                   |                                                                                                                                                                                                                              |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| BODY / COVER      | ASTM A 182 Gr F 304 / F 316                                                                                                                                                                                                  |
| TRIMS             | 18 Cr 8 Ni / 18 Cr 10 Ni - 2MO                                                                                                                                                                                               |
| MFG STD           | BS 5352                                                                                                                                                                                                                      |
| INSP & TEST STD   | BS 6755                                                                                                                                                                                                                      |
| ENDS              | SCREWED TO BSPT / NPT<br>SOCKETWELD TO ANSI B 16.11                                                                                                                                                                          |
| HYD-TEST PRESSURE | BODY : 5400 Psig (379 Kg/Cm <sup>2</sup> ) FOR 1500#<br>SEAT : 4000 Psig (281 Kg/Cm <sup>2</sup> ) FOR 1500#<br>BODY : 9000 Psig (633 Kg/Cm <sup>2</sup> ) FOR 2500#<br>SEAT : 6600 Psig (464 Kg/Cm <sup>2</sup> ) FOR 2500# |
| <b>SIZE RANGE</b> | <b>15 MM TO 40 MM</b>                                                                                                                                                                                                        |

ITEM NO. 55



### FORGED ALLOY STEEL CHECK VALVE ASA 1500 / 2500 CLASS PISTON LIFT TYPE BOLTED COVER

|                   |                                                                                          |
|-------------------|------------------------------------------------------------------------------------------|
| BODY / COVER      | ASTM A 182 Gr F 11                                                                       |
| TRIMS             | 13 Cr TO AISI 410                                                                        |
| MFG STD           | BS 5352                                                                                  |
| INSP & TEST STD   | BS 6755                                                                                  |
| ENDS              | SCREWED TO BSPT / NPT<br>SOCKETWELD TO ANSI B 16.11                                      |
| HYD-TEST PRESSURE | BODY : 5400 Psig (379 Kg/Cm <sup>2</sup> )<br>SEAT : 4000 Psig (281 Kg/Cm <sup>2</sup> ) |
| <b>SIZE RANGE</b> | <b>15 MM TO 50 MM</b>                                                                    |

ITEM NO. 55 A





ITEM NO. 55 B



## FORGED ALLOY STEEL CHECK VALVE ASA 1500 / 2500 CLASS OUTSIDE SCREW & YOKE TYPE BOLTED COVER

|                   |                                                                                          |
|-------------------|------------------------------------------------------------------------------------------|
| BODY / COVER      | ASTM A 182 Gr F 22                                                                       |
| TRIMS             | 13 Cr TO AISI 410                                                                        |
| MFG STD           | BS 5352                                                                                  |
| INSP & TEST STD   | BS 6755                                                                                  |
| ENDS              | SCREWED TO BSPT / NPT<br>SOCKETWELD TO ANSI B 16.11                                      |
| HYD-TEST PRESSURE | BODY : 5400 Psig (379 Kg/Cm <sup>2</sup> )<br>SEAT : 4000 Psig (281 Kg/Cm <sup>2</sup> ) |
| <b>SIZE RANGE</b> | <b>15 MM TO 50 MM</b>                                                                    |

ITEM NO. 56



## FORGED S/STEEL CHECK VALVE ASA 150 CLASS PISTON LIFT TYPE BOLTED COVER

|                   |                                                                                      |
|-------------------|--------------------------------------------------------------------------------------|
| BODY / COVER      | ASTM A 182 Gr F 304 / F 316                                                          |
| TRIMS             | 18 Cr 8 Ni / 18 Cr 10 Ni - 2MO                                                       |
| MFG STD           | BS 5352                                                                              |
| INSP & TEST STD   | BS 6755                                                                              |
| ENDS              | FLANGED TO ANSI B 16.5 RF (150#)                                                     |
| HYD-TEST PRESSURE | BODY : 425 Psig (30 Kg/Cm <sup>2</sup> )<br>SEAT : 300 Psig (21 Kg/Cm <sup>2</sup> ) |
| <b>SIZE RANGE</b> | <b>15 MM TO 50 MM</b>                                                                |

ITEM NO. 57



## CAST STEEL CHECK VALVE PN 40 RATING PISTON LIFT TYPE BOLTED COVER

|                   |                                                                                      |
|-------------------|--------------------------------------------------------------------------------------|
| BODY / COVER      | ASTM A 216 Gr WCB                                                                    |
| TRIMS             | 13 Cr / 18 Cr 8 Ni                                                                   |
| MFG STD           | BS 1868/ DIN 3356                                                                    |
| INSP & TEST STD   | BS 6755                                                                              |
| ENDS              | FLANGED TO DIN 2545                                                                  |
| HYD-TEST PRESSURE | BODY : 854 Psig (60 Kg/Cm <sup>2</sup> )<br>SEAT : 569 Psig (40 Kg/Cm <sup>2</sup> ) |
| <b>SIZE RANGE</b> | <b>15 MM TO 300 MM</b>                                                               |

ITEM NO. 58



## CAST CARBON STEEL NON RETURN VALVE ASA 150 CLASS SWING TYPE BOLTED COVER

|                   |                                                                                      |
|-------------------|--------------------------------------------------------------------------------------|
| BODY / COVER      | ASTM A 216 Gr WCB                                                                    |
| TRIMS             | 13 Cr / 18 Cr 8 Ni                                                                   |
| MFG STD           | BS 1868                                                                              |
| INSP & TEST STD   | BS 6755                                                                              |
| ENDS              | FLANGED TO ANSI B 16.5 RF (150#)                                                     |
| HYD-TEST PRESSURE | BODY : 425 Psig (30 Kg/Cm <sup>2</sup> )<br>SEAT : 300 Psig (21 Kg/Cm <sup>2</sup> ) |
| <b>SIZE RANGE</b> | <b>25 MM TO 1200 MM</b>                                                              |

# NON RETURN / CHECK VALVES

shiva

## CAST STEEL NON RETURN VALVE ASA 300 CLASS SWING TYPE BOLTED COVER

|                   |                                                                                       |
|-------------------|---------------------------------------------------------------------------------------|
| BODY / COVER      | ASTM A 216 Gr WCB                                                                     |
| TRIMS             | 13 Cr / 18 Cr 8 Ni                                                                    |
| MFG STD           | BS 1868                                                                               |
| INSP & TEST STD   | BS 6755                                                                               |
| ENDS              | FLANGED TO ANSI B 16.5 RF (300#)                                                      |
| HYD-TEST PRESSURE | BODY : 1100 Psig (77 Kg/Cm <sup>2</sup> )<br>SEAT : 800 Psig (56 Kg/Cm <sup>2</sup> ) |
| <b>SIZE RANGE</b> | <b>25 MM TO 1000 MM</b>                                                               |

ITEM NO. 59



## CAST STEEL NON RETURN VALVE ASA 600 CLASS SWING TYPE BOLTED COVER

|                   |                                                                                          |
|-------------------|------------------------------------------------------------------------------------------|
| BODY / COVER      | ASTM A 216 Gr WCB                                                                        |
| TRIMS             | 13 Cr / 18 Cr 8 Ni                                                                       |
| MFG STD           | BS 1868                                                                                  |
| INSP & TEST STD   | BS 6755                                                                                  |
| ENDS              | FLANGED TO ANSI B 16.5 RF (600#)                                                         |
| HYD-TEST PRESSURE | BODY : 2175 Psig (153 Kg/Cm <sup>2</sup> )<br>SEAT : 1600 Psig (112 Kg/Cm <sup>2</sup> ) |
| <b>SIZE RANGE</b> | <b>25 MM TO 750 MM</b>                                                                   |

ITEM NO. 60



## CAST S/STEEL NON RETURN VALVE ASA 150 CLASS SWING TYPE BOLTED COVER

|                   |                                                                                      |
|-------------------|--------------------------------------------------------------------------------------|
| BODY / COVER      | ASTM A 351 Gr CF8 / CF8M / CF3M                                                      |
| TRIMS             | 18 Cr 8 Ni / 18 Cr 10 Ni - 2 MO / CF8M / CF3M OR AISI 316L                           |
| MFG STD           | BS 1868                                                                              |
| INSP & TEST STD   | BS 6755                                                                              |
| ENDS              | FLANGED TO ANSI B 16.5 RF (150#)                                                     |
| HYD-TEST PRESSURE | BODY : 425 Psig (30 Kg/Cm <sup>2</sup> )<br>SEAT : 300 Psig (21 Kg/Cm <sup>2</sup> ) |
| <b>SIZE RANGE</b> | <b>25 MM TO 1200 MM</b>                                                              |

ITEM NO. 61



## CAST S/STEEL NON RETURN VALVE ASA 300 CLASS SWING TYPE BOLTED COVER

|                   |                                                                                      |
|-------------------|--------------------------------------------------------------------------------------|
| BODY / COVER      | ASTM A 351 Gr CF8/ CF8M / CF3M                                                       |
| TRIMS             | 18 Cr 8 Ni / 18 Cr 10 Ni - 2 MO / CF8M / CF3M OR AISI 316L                           |
| MFG STD           | BS 1868                                                                              |
| INSP & TEST STD   | BS 6755                                                                              |
| ENDS              | FLANGED TO ANSI B 16.5 RF (150#)                                                     |
| HYD-TEST PRESSURE | BODY : 425 Psig (30 Kg/Cm <sup>2</sup> )<br>SEAT : 300 Psig (21 Kg/Cm <sup>2</sup> ) |
| <b>SIZE RANGE</b> | <b>25 MM TO 1000 MM</b>                                                              |

ITEM NO. 61 A





ITEM NO. 62



## CAST S/STEEL NON RETURN VALVE PN 40 RATING PISTON LIFT-UP TYPE BOLTED COVER

BODY / COVER  
TRIMS

ASTM A 351 Gr CF8 / CF8M / CF3M  
18 Cr 8 Ni / 18 Cr 10 Ni - 2 MO /  
CF3M / OR AISI 316L

MFG STD  
INSP & TEST STD  
ENDS  
HYD-TEST PRESSURE

BS 1868  
BS 6755  
FLANGED TO DIN 2545  
BODY : 854 Psig (60 Kg/Cm<sup>2</sup>)  
SEAT : 569 Psig (40 Kg/Cm<sup>2</sup>)

**SIZE RANGE**

**25 MM TO 400 MM**

ITEM NO. 63



## CAST IRON NON RETURN VALVE PN 10 / PN 16 RATING PISTON LIFT TYPE BOLTED COVER

BODY / COVER  
TRIMS  
MFG STD  
INSP & TEST STD  
ENDS

IS 210 Gr FG 200/220  
13 Cr / 18 Cr 8 Ni  
GENERALLY CONFORMING TO BS 1868  
GENERALLY CONFORMING TO BS 6755  
FLANGED TO DIN 2532 FOR PN 10  
FLANGED TO DIN 2533 FOR PN 16

HYD-TEST PRESSURE

BODY : 213 Psig (15 Kg/Cm<sup>2</sup>)  
SEAT : 142 Psig (10 Kg/Cm<sup>2</sup>)

**SIZE RANGE**

**15 MM TO 250 MM**

ITEM NO. 64



## CAST IRON NON RETURN VALVE ASA 125 CLASS SWING TYPE BOLTED COVER

BODY / COVER  
TRIMS  
MFG STD  
INSP & TEST STD  
ENDS  
HYD-TEST PRESSURE

IS 210 Gr FG 200/220  
13 Cr / 18 Cr 8 Ni  
GENERALLY CONFORMING TO BS 1868  
GENERALLY CONFORMING TO BS 6755  
FLANGED TO ANSI B 16.1 FF (125#)  
BODY : 225 Psig (16 Kg/Cm<sup>2</sup>)  
SEAT : 165 Psig (11.5 Kg/Cm<sup>2</sup>)

**SIZE RANGE**

**25 MM TO 700 MM**

## NON RETURN / WAFER CHECK VALVES

shiva

### CARBON STEEL WAFER CHECK VALVES

|                   |                                                                                        |
|-------------------|----------------------------------------------------------------------------------------|
| BODY              | EN 8                                                                                   |
| PIN               | 13 Cr TO AISI 410 / 18 Cr 8 Ni TO AISI 304 / 316                                       |
| RINGS             | MOULDED NEOPRENE / NITRILE / PTFE                                                      |
| MFG STD           | GENERALLY CONFORMING TO API 6D                                                         |
| TEST STD          | GENERALLY CONFORMING TO API 6D                                                         |
| ENDS              | WAFER TYPE                                                                             |
| HYD-TEST PRESSURE | BODY : 225 Psig (16 Kg/Cm <sup>2</sup> )<br>SEAT : 165 Psig (11.5 Kg/Cm <sup>2</sup> ) |
| <b>SIZE RANGE</b> | <b>25 MM TO 600 MM</b>                                                                 |

ITEM NO. 65



### STAINLESS STEEL 304 WAFER CHECK VALVES

|                   |                                                                                        |
|-------------------|----------------------------------------------------------------------------------------|
| BODY              | ASTM A 351 Gr CF8                                                                      |
| PIN               | 18 Cr 8 Ni TO AISI 304                                                                 |
| RINGS             | MOULDED NEOPRENE / NITRILE / PTFE                                                      |
| MFG STD           | GENERALLY CONFORMING TO API 6D                                                         |
| TEST STD          | GENERALLY CONFORMING TO API 6D                                                         |
| ENDS              | WAFER TYPE                                                                             |
| HYD-TEST PRESSURE | BODY : 225 Psig (16 Kg/Cm <sup>2</sup> )<br>SEAT : 165 Psig (11.5 Kg/Cm <sup>2</sup> ) |
| <b>SIZE RANGE</b> | <b>25 MM TO 600 MM</b>                                                                 |

ITEM NO. 66



### STAINLESS STEEL 316 WAFER CHECK VALVES

|                   |                                                                                        |
|-------------------|----------------------------------------------------------------------------------------|
| BODY              | ASTM A 351 Gr CF8M                                                                     |
| PIN               | 18 Cr 10 Ni 2 MO TO AISI 316                                                           |
| RINGS             | MOULDED NEOPRENE / NITRILE / PTFE                                                      |
| MFG STD           | GENERALLY CONFORMING TO API 6D                                                         |
| TEST STD          | GENERALLY CONFORMING TO API 6D                                                         |
| ENDS              | WAFER TYPE                                                                             |
| HYD-TEST PRESSURE | BODY : 225 Psig (16 Kg/Cm <sup>2</sup> )<br>SEAT : 165 Psig (11.5 Kg/Cm <sup>2</sup> ) |
| <b>SIZE RANGE</b> | <b>25 MM TO 600 MM</b>                                                                 |

ITEM NO. 67



### STAINLESS STEEL 316L WAFER CHECK VALVES

|                   |                                                                                        |
|-------------------|----------------------------------------------------------------------------------------|
| BODY              | ASTM A 351 Gr CF3M                                                                     |
| PIN               | AISI 316                                                                               |
| RINGS             | MOULDED NEOPRENE / NITRILE                                                             |
| MFG STD           | GENERALLY CONFORMING TO API 6D                                                         |
| TEST STD          | GENERALLY CONFORMING TO API 6D                                                         |
| ENDS              | WAFER TYPE                                                                             |
| HYD-TEST PRESSURE | BODY : 225 Psig (16 Kg/Cm <sup>2</sup> )<br>SEAT : 165 Psig (11.5 Kg/Cm <sup>2</sup> ) |
| <b>SIZE RANGE</b> | <b>25 MM TO 600 MM</b>                                                                 |

ITEM NO. 68





ITEM NO. 69



## CAST IRON WAFER CHECK VALVES

|                   |                                                                                        |
|-------------------|----------------------------------------------------------------------------------------|
| BODY              | IS 210 Gr FG 200/220                                                                   |
| PIN               | 13 Cr TO AISI 410 / 18 Cr 8 Ni TO AISI 304                                             |
| RINGS             | MOULDED NEOPRENE / NITRILE                                                             |
| MFG STD           | GENERALLY CONFORMING TO API 6D                                                         |
| TEST STD          | GENERALLY CONFORMING TO API 6D                                                         |
| ENDS              | WAFER TYPE                                                                             |
| HYD-TEST PRESSURE | BODY : 225 Psig (16 Kg/Cm <sup>2</sup> )<br>SEAT : 165 Psig (11.5 Kg/Cm <sup>2</sup> ) |
| <b>SIZE RANGE</b> | <b>25 MM TO 600 MM</b>                                                                 |

ITEM NO. 70



## CAST IRON DUAL PLATE DOUBLE FLANGED CHECK VALVE

|                      |                                                                                        |
|----------------------|----------------------------------------------------------------------------------------|
| BODY                 | IS 210 Gr FG 200/220                                                                   |
| CLOSURE PLATE (DISC) | S.G. IRON / SS 304                                                                     |
| HING PIN             | AISI 304 / AISI 316                                                                    |
| STOP PIN             | AISI 304 / AISI 316                                                                    |
| SPRING               | STAINLESS STEEL                                                                        |
| SEAT                 | EPDM                                                                                   |
| MFG STD              | GENERALLY CONFORMING TO API 6D / API 594                                               |
| INSP / TEST STD      | GENERALLY CONFORMING TO API 6D / API 598                                               |
| ENDS                 | FLANGE END TO ANSI B16.5 FF (125#)                                                     |
| HYD-TEST PRESSURE    | BODY : 225 Psig (16 Kg/Cm <sup>2</sup> )<br>SEAT : 165 Psig (11.5 Kg/Cm <sup>2</sup> ) |
| <b>SIZE RANGE</b>    | <b>50 MM TO 1000 MM</b>                                                                |

ITEM NO. 70 A



## CAST STEEL DUAL PLATE DOUBLE FLANGED CHECK VALVE

|                      |                                                                                      |
|----------------------|--------------------------------------------------------------------------------------|
| BODY                 | ASTM A 216 Gr WCB                                                                    |
| CLOSURE PLATE (DISC) | SS 304 / SS 316                                                                      |
| HING PIN             | AISI 304 / AISI 316                                                                  |
| STOP PIN             | AISI 304 / AISI 316                                                                  |
| SPRING               | STAINLESS STEEL                                                                      |
| SEAT                 | EPDM                                                                                 |
| MFG STD              | GENERALLY CONFORMING TO API 6D / API 594                                             |
| INSP / TEST STD      | GENERALLY CONFORMING TO API 6D / API 598                                             |
| ENDS                 | FLANGE END TO ANSI B16.5 RF (150#)                                                   |
| HYD-TEST PRESSURE    | BODY : 425 Psig (30 Kg/Cm <sup>2</sup> )<br>SEAT : 300 Psig (21 Kg/Cm <sup>2</sup> ) |
| <b>SIZE RANGE</b>    | <b>50 MM TO 1000 MM</b>                                                              |

## CAST IRON DUAL PLATE WAFER CHECK VALVES

|                      |                                                     |
|----------------------|-----------------------------------------------------|
| BODY                 | IS 210 Gr FG 200/220                                |
| CLOSURE PLATE (DISC) | SG IRON / SS 304                                    |
| HINGE PIN            | AISI 304 / AISI 316                                 |
| STOP PIN             | AISI 304 / AISI 316                                 |
| SPRING               | STAINLESS STEEL                                     |
| SEAT                 | EPDM                                                |
| MFG STD              | GENERALLY CONFORMING TO API 6D / API 594            |
| INSP & TEST STD      | GENERALLY CONFORMING TO API 6D / API 598            |
| ENDS                 | WAFER TYPE TO SUIT ANSI B 16.1 (125#)               |
|                      | WAFER TYPE TO SUIT DIN 2532 (PN 10) /               |
|                      | DIN 2533 (PN16)                                     |
| HYD-TEST PRESSURE    | BODY : 225 Psig (16 Kg/Cm <sup>2</sup> ) FOR 125#   |
|                      | SEAT : 165 Psig (11.5 Kg/Cm <sup>2</sup> ) FOR 125# |
|                      | BODY : 213 Psig (15 Kg/Cm <sup>2</sup> ) FOR PN 10  |
|                      | SEAT : 142 Psig (10 Kg/Cm <sup>2</sup> ) FOR PN 10  |
| <b>SIZE RANGE</b>    | <b>50 MM TO 600 MM</b>                              |

ITEM NO. 71



## CAST STEEL DUAL PLATE WAFER CHECK VALVES

|                      |                                          |
|----------------------|------------------------------------------|
| BODY                 | ASTM A 216 Gr WCB                        |
| CLOSURE PLATE (DISC) | SS 304 / SS 316                          |
| HINGE PIN            | AISI 304 / AISI 316                      |
| STOP PIN             | AISI 304 / AISI 316                      |
| SPRING               | STAINLESS STEEL                          |
| SEAT                 | EPDM                                     |
| MFG STD              | GENERALLY CONFORMING TO API 6D / API 594 |
| INSP & TEST STD      | GENERALLY CONFORMING TO API 6D / API 598 |
| ENDS                 | WAFER TYPE TO SUIT ANSIB 16.5 (150#)     |
| HYD-TEST PRESSURE    | BODY : 425 Psig (30 Kg/Cm <sup>2</sup> ) |
|                      | SEAT : 300 Psig (21 Kg/Cm <sup>2</sup> ) |
| <b>SIZE RANGE</b>    | <b>50 MM TO 600 MM</b>                   |

ITEM NO. 72



## STAINLESS STEEL NON SLAM DISC CHECK VALVES

|                   |                                          |
|-------------------|------------------------------------------|
| BODY              | ASTM A 361 Gr CF8 / CF8M                 |
| DISC              | SS 304 / SS 316                          |
| SPRING            | STAINLESS STEEL                          |
| SPRING RETAINER   | AISI 304 / AISI 316                      |
| SEAT              | METAL TO METAL / EPDM / NITRILE / PTFE   |
| INSP & TEST STD   | API 598                                  |
| ENDS              | WAFER TYPE FOR 15 MM TO 200 MM           |
|                   | SCREWED END FOR 15 MM TO 100 MM          |
| HYD-TEST PRESSURE | BODY : 854 Psig (60 Kg/Cm <sup>2</sup> ) |
|                   | SEAT : 569 Psig (40 Kg/Cm <sup>2</sup> ) |
| <b>SIZE RANGE</b> | <b>15 MM TO 200 MM</b>                   |

ITEM NO. 72 A





ITEM NO. 73



## STAINLESS STEEL BAR STOCK CHECK VALVE ASA 150 / 300 CLASS LIFT-UP TYPE HORIZONTAL SCREWED COVER

|                   |                                                    |
|-------------------|----------------------------------------------------|
| BODY / COVER      | AISI 304                                           |
| TRIMS             | 18 Cr 8 Ni TO AISI 304                             |
| MFG STD           | GENERALLY CONFORMING TO BS 5352                    |
| INSP & TEST STD   | BS 6755                                            |
| ENDS              | SCREWED TO BSP / BSPT / NPT                        |
|                   | SOCKETWELD ENDS TO ANSI B 16.11                    |
|                   | FLANGED TO BS 10 TABLE "F" / "H"                   |
|                   | FLANGED TO ANSI B 16.5 RF (150#/300#)              |
| HYD-TEST PRESSURE | BODY : 425 Psig (30 Kg/Cm <sup>2</sup> ) FOR 150#  |
|                   | SEAT : 300 Psig (21 Kg/Cm <sup>2</sup> ) FOR 150#  |
|                   | BODY : 1100 Psig (77 Kg/Cm <sup>2</sup> ) FOR 300# |
|                   | SEAT : 800 Psig (56 Kg/Cm <sup>2</sup> ) FOR 300#  |
| SIZE RANGE        | 15 MM TO 100 MM                                    |

ITEM NO. 74



## STAINLESS STEEL BAR STOCK CHECK VALVE ASA 150 / 300 CLASS LIFT-UP TYPE VERTICAL SCREWED COVER

|                   |                                                    |
|-------------------|----------------------------------------------------|
| BODY / COVER      | AISI 304                                           |
| TRIMS             | 18 Cr 8 Ni TO AISI 304                             |
| MFG STD           | GENERALLY CONFORMING TO BS 5352                    |
| INSP & TEST STD   | BS 6755                                            |
| ENDS              | SCREWED TO BSP / BSPT / NPT                        |
|                   | SOCKETWELD TO ANSI B 16.11                         |
|                   | FLANGED TO BS 10 TABLE "F" / "H"                   |
|                   | FLANGED TO ANSI B 16.5 RF (150#/300#)              |
| HYD-TEST PRESSURE | BODY : 425 Psig (30 Kg/Cm <sup>2</sup> ) FOR 150#  |
|                   | SEAT : 300 Psig (21 Kg/Cm <sup>2</sup> ) FOR 150#  |
|                   | BODY : 1100 Psig (77 Kg/Cm <sup>2</sup> ) FOR 300# |
|                   | SEAT : 800 Psig (56 Kg/Cm <sup>2</sup> ) FOR 300#  |
| SIZE RANGE        | 15 MM TO 100 MM                                    |

ITEM NO. 75



## STAINLESS STEEL BAR STOCK CHECK VALVE ASA 150 / 300 CLASS LIFT-UP TYPE VERTICAL SCREWED COVER

|                   |                                                    |
|-------------------|----------------------------------------------------|
| BODY / COVER      | AISI 316                                           |
| TRIMS             | 18 Cr 8 Ni 2 MO TO AISI 316                        |
| MFG STD           | GENERALLY CONFORMING TO BS 5352                    |
| INSP & TEST STD   | BS 6755                                            |
| ENDS              | SCREWED TO BSP / BSPT / NPT                        |
|                   | SOCKETWELD ENDS TO ANSI B 16.11                    |
|                   | FLANGED TO BS 10 TABLE "F" / "H"                   |
|                   | FLANGED TO ANSI B 16.5 RF (150#/300#)              |
| HYD-TEST PRESSURE | BODY : 425 Psig (30 Kg/Cm <sup>2</sup> ) FOR 150#  |
|                   | SEAT : 300 Psig (21 Kg/Cm <sup>2</sup> ) FOR 150#  |
|                   | BODY : 1100 Psig (77 Kg/Cm <sup>2</sup> ) FOR 300# |
|                   | SEAT : 800 Psig (56 Kg/Cm <sup>2</sup> ) FOR 300#  |
| SIZE RANGE        | 15 MM TO 100 MM                                    |

## CAST STEEL ANGLE GLOBE VALVE PN 40 RATING OUT SIDE SCREW & YOKE TYPE BOLTED BONNET

|                   |                                                                                      |
|-------------------|--------------------------------------------------------------------------------------|
| BODY / COVER      | ASTM A 216 Gr WCB                                                                    |
| TRIMS             | 13 Cr                                                                                |
| MFG STD           | GENERALLY CONFORMING TO BS 1873                                                      |
| INSP & TEST STD   | GENERALLY CONFORMING TO BS 6755                                                      |
| ENDS              | FLANGED TO DIN 2545                                                                  |
| HYD-TEST PRESSURE | BODY : 854 Psig (60 Kg/Cm <sup>2</sup> )<br>SEAT : 569 Psig (40 Kg/Cm <sup>2</sup> ) |
| <b>SIZE RANGE</b> | <b>15 MM to 250 MM</b>                                                               |

ITEM NO. 76



## CAST IRON ANGLE GLOBE VALVE PN 10 RATING OUT SIDE SCREW & YOKE TYPE BOLTED BONNET

|                   |                                                                                      |
|-------------------|--------------------------------------------------------------------------------------|
| BODY / COVER      | IS 210 Gr FG 200/220                                                                 |
| TRIMS             | 13 Cr                                                                                |
| MFG STD           | GENERALLY CONFORMING TO BS 1873                                                      |
| INSP & TEST STD   | GENERALLY CONFORMING TO BS 6755                                                      |
| ENDS              | FLANGED TO DIN 2532                                                                  |
| HYD-TEST PRESSURE | BODY : 213 Psig (15 Kg/Cm <sup>2</sup> )<br>SEAT : 142 Psig (10 Kg/Cm <sup>2</sup> ) |
| <b>SIZE RANGE</b> | <b>15 MM to 200 MM</b>                                                               |

ITEM NO. 77



## CAST STEEL ACCESSIBLE FEED CHECK VALVE PN 40 RATING OUT SIDE SCREW & YOKE TYPE BOLTED BONNET

|                   |                                                                                          |
|-------------------|------------------------------------------------------------------------------------------|
| BODY / COVER      | ASTM A 216 Gr WCB                                                                        |
| TRIMS             | 13 Cr                                                                                    |
| MFG STD           | MARCK / 015                                                                              |
| INSP & TEST STD   | MARCK / 015                                                                              |
| ENDS              | FLANGED TO DIN 2532 / 2533                                                               |
| HYD-TEST PRESSURE | BODY : 854 Psig (60 Kg / Cm <sup>2</sup> )<br>SEAT : 569 Psig (40 Kg / Cm <sup>2</sup> ) |
| <b>SIZE RANGE</b> | <b>25 MM to 65 MM</b>                                                                    |

ITEM NO. 78



## CAST IRON ACCESSIBLE FEED CHECK VALVE PN 10 RATING OUT SIDE SCREW & YOKE TYPE BOLTED BONNET

|                   |                                                                                      |
|-------------------|--------------------------------------------------------------------------------------|
| BODY / COVER      | IS 210 Gr FG 200/220                                                                 |
| TRIMS             | 13 Cr                                                                                |
| MFG STD           | MARCK / 015 & IBR                                                                    |
| INSP & TEST STD   | MARCK / 015 & IBR                                                                    |
| ENDS              | FLANGED TO DIN 2545                                                                  |
| HYD-TEST PRESSURE | BODY : 213 Psig (15 Kg/Cm <sup>2</sup> )<br>SEAT : 142 Psig (10 Kg/Cm <sup>2</sup> ) |
| <b>SIZE RANGE</b> | <b>25 MM to 65 MM</b>                                                                |

ITEM NO. 79





ITEM NO. 80



## CAST STEEL SAFETY VALVE STRAIGHT PATTERN SPRING LOADED BOLTED BONNET

|                   |                                          |
|-------------------|------------------------------------------|
| BODY              | ASTM A 216 Gr WCB                        |
| TRIMS             | 13 Cr STEEL / 18 Cr 8 Ni                 |
| SPRING            | SPRING STEEL                             |
| MFG STD           | MARCK / 013                              |
| INSP & TEST STD   | MARCK / 013                              |
| MAX. SET PRESSURE | 14 Kg/Cm <sup>2</sup>                    |
| ENDS              | FLANGED TO DIN 2545                      |
| HYD-TEST PRESSURE | BODY : 854 Psig (60 Kg/Cm <sup>2</sup> ) |
| SIZE RANGE        | 25 MM TO 150 MM                          |

ITEM NO. 81



## CAST STEEL SAFETY VALVE ANGLE PATTERN ORDINARY LIFT TYPE BOLTED BONNET

|                   |                                           |
|-------------------|-------------------------------------------|
| BODY              | ASTM A 216 Gr WCB                         |
| TRIMS             | 13 Cr / 18 Cr 8 Ni                        |
| SPRING            | SPRING STEEL / SPRING WIRE                |
| MFG STD           | GENERALLY CONFORMING TO API 526           |
| INSP & TEST STD   | ASME PTC 25-3/ API 527                    |
| MAX. SET PRESSURE | 32 Kg/Cm <sup>2</sup> (460 Psig) AT 260°C |
| ENDS              | FLANGED TO DIN 2545                       |
|                   | FLANGED TO BS 10 TABLE "H"                |
| SIZE RANGE        | 25 MM TO 200 MM                           |

ITEM NO. 82



## CAST STEEL SAFETY VALVE ANGLE PATTERN HIGH LIFT TYPE BOLTED BONNET

|                   |                                          |
|-------------------|------------------------------------------|
| BODY              | ASTM A 216 Gr WCB                        |
| TRIMS             | 13 Cr / 18 Cr 8 Ni                       |
| SPRING            | SPRING STEEL / SPRING WIRE               |
| MFG STD           | GENERALLY CONFORMING TO                  |
|                   | API 526 & IBR                            |
| INSP & TEST STD   | ASME PTC 25-3/ API 527                   |
| MAX. SET PRESSURE | (STEAM) 17.5 Kg/Cm <sup>2</sup>          |
|                   | (250 Psig) AT 427°C                      |
| ENDS              | INLET : FLANGED TO BS 10 TABLE "H"       |
|                   | OUTLET : FLANGED TO BS 10 TABLE "F"      |
| HYD-TEST PRESSURE | BODY : 500 Psig (35 Kg/Cm <sup>2</sup> ) |
| SIZE RANGE        | 25 MM TO 100 MM                          |

ITEM NO. 82 A

## C.S FULL LIFT SAFETY VALVES ON REQUEST

# STRAINERS

shiva

## CAST STEEL PN 40 - "Y" TYPE STRAINER BOLTED COVER

|                   |                                          |
|-------------------|------------------------------------------|
| BODY / COVER      | ASTM A 216 Gr WCB                        |
| SCREEN            | SS 304 / SS 316                          |
| MFG STD           | MARCK / 014                              |
| INSP & TEST STD   | MARCK / 014                              |
| ENDS              | FLANGED TO DIN 2545                      |
| HYD-TEST PRESSURE | BODY : 854 Psig (60 Kg/Cm <sup>2</sup> ) |
| <b>SIZE RANGE</b> | <b>25 MM TO 600 MM</b>                   |

ITEM NO. 83



## CAST STEEL ASA 150# - "Y" TYPE STRAINER BOLTED COVER

|                   |                                          |
|-------------------|------------------------------------------|
| BODY / COVER      | ASTM A 216 Gr WCB                        |
| SCREEN            | SS 304 / SS 316                          |
| MFG STD           | MARCK / 014                              |
| INSP & TEST STD   | MARCK / 014                              |
| ENDS              | FLANGED TO DIN 2545                      |
| HYD-TEST PRESSURE | BODY : 854 Psig (60 Kg/Cm <sup>2</sup> ) |
| <b>SIZE RANGE</b> | <b>15 MM TO 600 MM</b>                   |

ITEM NO. 83 A



## CAST STEEL ASA 300# - "Y" TYPE STRAINER BOLTED COVER

|                   |                                          |
|-------------------|------------------------------------------|
| BODY / COVER      | ASTM A 216 Gr WCB                        |
| SCREEN            | SS 304                                   |
| MFG STD           | MARCK / 014                              |
| INSP & TEST STD   | MARCK / 014                              |
| ENDS              | FLANGED TO ANSI B 16.5 RF (150#)         |
| HYD-TEST PRESSURE | BODY : 425 Psig (77 Kg/Cm <sup>2</sup> ) |
| <b>SIZE RANGE</b> | <b>25 MM TO 300 MM</b>                   |

ITEM NO. 83 B



## CAST STAINLESS STEEL PN 40 - "Y" TYPE STRAINER BOLTED COVER

|                   |                                          |
|-------------------|------------------------------------------|
| BODY / COVER      | ASTM A 351 Gr CF8 / CF8M                 |
| SCREEN            | SS 304 / SS 316                          |
| MFG STD           | MARCK / 014                              |
| INSP & TEST STD   | MARCK / 014                              |
| ENDS              | FLANGED TO DIN 2545                      |
| HYD-TEST PRESSURE | BODY : 854 Psig (60 Kg/Cm <sup>2</sup> ) |
| <b>SIZE RANGE</b> | <b>25 MM TO 600 MM</b>                   |

ITEM NO. 84



## CAST STAINLESS STEEL ASA 150# - "Y" TYPE STRAINER BOLTED COVER

|                   |                                          |
|-------------------|------------------------------------------|
| BODY / COVER      | ASTM A 351 Gr CF8 / CF8M                 |
| SCREEN            | SS 304 / SS 316                          |
| MFG STD           | MARCK / 014                              |
| INSP & TEST STD   | MARCK / 014                              |
| ENDS              | FLANGED TO DIN 2545                      |
| HYD-TEST PRESSURE | BODY : 854 Psig (60 Kg/Cm <sup>2</sup> ) |
| <b>SIZE RANGE</b> | <b>15 MM TO 600 MM</b>                   |

ITEM NO. 84 A





# STRAINERS

shiva

ITEM NO. 85



## INVESTMENT CASTING ASA - 150 CLASS "Y" TYPE STRAINER SCREWED COVER

BODY / COVER  
SCREEN  
MFG STD  
INSP & TEST STD  
ENDS

WCB / ASTM A 351 Gr CF8 / CF8M  
SS 304 / SS 316  
MARCK / 014  
MARCK / 014  
SCREWED TO BSP / BSPT / NPT  
SOCKETWELD ENDS TO ANSI B 16.11  
BODY : 425 Psig (30 Kg/Cm<sup>2</sup>)  
**15 MM TO 100 MM**

HYD-TEST PRESSURE  
**SIZE RANGE**

ITEM NO. 85 A



## FORGED CARBON STEEL "T" - TYPE STRAINER

BODY  
SCREEN  
MFG STD  
INSP & TEST STD  
ENDS  
HYD. TEST PRESS.  
**SIZE RANGE**

ASTM A 105  
SS 316  
MARCK / 024  
MARCK / 024  
SCREWED / SOCKETWELD  
BODY : 3000 Psig (211 Kg / Cm<sup>2</sup>)  
**15 MM to 50 MM**

ITEM NO. 86



## CAST IRON "Y" TYPE STRAINER SCREWED / BOLTED COVER

BODY  
SCREEN  
MFG STD  
INSP & TEST STD  
ENDS

IS 210 Gr FG 200/220  
BRASS / SS 304  
MARCK / 014  
MARCK / 014  
SCREWED TO BSP / BSPT / NPT  
FLANGED TO ANSI B 16.1 FF (125 #)  
BODY : 213 Psig (15 Kg/Cm<sup>2</sup>)  
**15 MM TO 400 MM**

HYD-TEST PRESSURE  
**SIZE RANGE**

ITEM NO. 87



## CAST IRON - POT TYPE STRAINER BOLTED COVER

BODY / COVER  
SCREEN  
MFG STD  
INSP & TEST STD  
ENDS  
HYD-TEST PRESSURE  
**SIZE RANGE**

IS 210 Gr FG 200/220  
BRASS / SS 304  
MARCK / 014  
MARCK / 014  
FLANGED TO BS 10 TABLE "E"  
BODY : 213 Psig (15 Kg/Cm<sup>2</sup>)  
**40 MM TO 350 MM**

ITEM NO. 88



## CAST IRON - "T" TYPE (DIRT BOX) BOLTED COVER

BODY / COVER  
SCREEN  
MFG STD  
TEST STD  
ENDS  
HYD-TEST PRESSURE  
**SIZE RANGE**

IS 210 Gr FG 200/220  
BRASS / SS 304  
MARCK / 014  
MARCK / 014  
FLANGED TO BS 10 TABLE "E"  
BODY : 213 Psig (15 Kg/Cm<sup>2</sup>)  
**40 MM TO 450 MM**

# BUTTERFLY VALVES

shiva

## CAST IRON "ECOTECH" SERIES CENTRIC DISC DESIGN BUTTERFLY VALVE REPLACEABLE NITRILE SEAT / EPOXY RESIN COATED

|                   |                                                                                        |
|-------------------|----------------------------------------------------------------------------------------|
| BODY              | IS 210 Gr FG 200/220                                                                   |
| DISC              | IS 210 Gr FG 200/220                                                                   |
| SEAT              | REPLACEABLE NITRILE                                                                    |
| SHAFT             | AISI 410 / AISI 304                                                                    |
| MFG STD           | BS 5155                                                                                |
| INSP & TEST STD   | BS 6755 / BS 5155                                                                      |
| OPERATION         | FLOW - CONTROL LEVER / GEAR                                                            |
| ENDS              | WAFER TYPE TO SUIT ANSI B 16.1 (125#)                                                  |
| HYD-TEST PRESSURE | BODY : 225 Psig (16 Kg/Cm <sup>2</sup> )<br>SEAT : 165 Psig (11.5 Kg/Cm <sup>2</sup> ) |

**SIZE RANGE** 40 MM TO 1500 MM

ITEM NO. 89



## CAST IRON "ECOTECH" SERIES CENTRIC DISC DESIGN BUTTERFLY VALVE MOULDED NITRILE SEAT / EPOXY RESIN COATED

|                   |                                                                                        |
|-------------------|----------------------------------------------------------------------------------------|
| BODY              | IS 210 Gr FG 200/220                                                                   |
| DISC              | S.G. IRON                                                                              |
| SEAT              | MOULDED NITRILE                                                                        |
| SHAFT             | AISI 410 / AISI 304                                                                    |
| MFG STD           | BS 5155                                                                                |
| INSP & TEST STD   | BS 6755 / BS 5155                                                                      |
| OPERATION         | FLOW - CONTROL LEVER / GEAR                                                            |
| ENDS              | WAFER TYPE TO SUIT ANSI B 16.1 (125#)                                                  |
| HYD-TEST PRESSURE | BODY : 225 Psig (16 Kg/Cm <sup>2</sup> )<br>SEAT : 165 Psig (11.5 Kg/Cm <sup>2</sup> ) |

**SIZE RANGE** 40 MM TO 1500 MM

ITEM NO. 89 A



## CAST IRON "ECOTECH" SERIES CENTRIC DISC DESIGN BUTTERFLY VALVE MOULDED NITRILE SEAT / EPOXY RESIN COATED

|                     |                                                                                        |
|---------------------|----------------------------------------------------------------------------------------|
| BODY                | IS 210 Gr FG 200/220                                                                   |
| DISC                | ASTM A 351 Gr CF8 / CF8M                                                               |
| SEAT                | MOULDED NITRILE                                                                        |
| SHAFT               | AISI 304 / AISI 316                                                                    |
| MFG STD             | BS 5155                                                                                |
| TEST STD            | BS 6755 / BS 5155                                                                      |
| OPERATION           | FLOW - CONTROL LEVER / GEAR                                                            |
| ENDS                | WAFER TYPE TO SUIT ANSI B 16.1 (125#)                                                  |
| HYD - TEST PRESSURE | BODY : 225 Psig (16 Kg/Cm <sup>2</sup> )<br>SEAT : 165 Psig (11.5 Kg/Cm <sup>2</sup> ) |

**SIZE RANGE** 40 MM TO 1500 MM

ITEM NO. 89 B



## CAST STEEL "ECOTECH" SERIES CENTRIC DISC DESIGN BUTTERFLY VALVE MOULDED NITRILE SEAT / EPOXY RESIN COATED

|                     |                                                                                      |
|---------------------|--------------------------------------------------------------------------------------|
| BODY                | ASTM A 216 Gr WCB                                                                    |
| DISC                | ASTM A 216 Gr WCB                                                                    |
| SEAT                | MOULDED NITRILE                                                                      |
| SHAFT               | AISI 410/ AISI 304                                                                   |
| MFG STD             | BS 5155                                                                              |
| INSP & TEST STD     | BS 6755 / BS 5155                                                                    |
| OPERATION           | FLOW - CONTROL LEVER / GEAR                                                          |
| ENDS                | WAFER TYPE TO SUIT ANSI B 16.5 (150#)                                                |
| HYD - TEST PRESSURE | BODY : 300 Psig (24 Kg/Cm <sup>2</sup> )<br>SEAT : 220 Psig (16 Kg/Cm <sup>2</sup> ) |

**SIZE RANGE** 40 MM TO 1500 MM

ITEM NO. 90





# BUTTERFLY VALVES

shiva

ITEM NO. 91



## CAST IRON ISI MARK "ECOTECH" SERIES CENTRIC DISC DESIGN BUTTERFLY VALVE MOULDED NITRILE SEAT / EPOXY RESIN COATED

|                     |                                                                                        |
|---------------------|----------------------------------------------------------------------------------------|
| BODY                | IS 210 Gr FG 200/ 220                                                                  |
| DISC                | S.G. IRON / SS 304                                                                     |
| SEAT                | MOULDED NEOPRENE / NITRILE                                                             |
| SHAFT               | AISI 410 / AISI 304                                                                    |
| MFG STD             | BS 5155 / IS 13095                                                                     |
| INSP & TEST STD     | BS 6755                                                                                |
| OPERATION           | FLOW - CONTROL LEVER / GEAR                                                            |
| ENDS                | WAFFER TYPE TO SUIT ANSI B 16.5                                                        |
| HYD - TEST PRESSURE | BODY : 225 Psig (16 Kg/Cm <sup>2</sup> )<br>SEAT : 165 Psig (11.5 Kg/Cm <sup>2</sup> ) |

**SIZE RANGE**

**40 MM TO 1500 MM**

ITEM NO. 92



## INVESTMENT CASTING CF8 "ECOTECH" SERIES CENTRIC DISC DESIGN BUTTERFLY VALVE MOULDED NITRILE SEAT / EPOXY RESIN COATED

|                     |                                                                                        |
|---------------------|----------------------------------------------------------------------------------------|
| BODY                | ASTM A 351 Gr CF8                                                                      |
| DISC                | ASTM A 351 Gr CF8 / CF8M                                                               |
| SEAT                | MOULDED NITRILE                                                                        |
| SHAFT               | AISI 410 / AISI 304                                                                    |
| MFG STD             | BS 5155                                                                                |
| TEST STD            | BS 6755 / BS 5155                                                                      |
| OPERATION           | FLOW - CONTROL LEVER / GEAR                                                            |
| ENDS                | WAFFER TYPE TO SUIT ANSI B 16.5 (150#)                                                 |
| HYD - TEST PRESSURE | BODY : 300 Psig (21 Kg/Cm <sup>2</sup> )<br>SEAT : 220 Psig (15.5 Kg/Cm <sup>2</sup> ) |

**SIZE RANGE**

**40 MM TO 300 MM**

ITEM NO. 92 A



## INVESTMENT CASTING CF8M "ECOTECH" SERIES CENTRIC DISC DESIGN BUTTERFLY VALVE MOULDED NITRILE SEAT / EPOXY RESIN COATED

|                     |                                                                                        |
|---------------------|----------------------------------------------------------------------------------------|
| BODY                | ASTM A 351 Gr CF8M                                                                     |
| DISC                | ASTM A 351 Gr CF8M                                                                     |
| SEAT                | MOULDED NITRILE                                                                        |
| SHAFT               | AISI 410 / AISI 304                                                                    |
| MFG STD             | BS 5155                                                                                |
| TEST STD            | BS 6755 / BS 5155                                                                      |
| OPERATION           | FLOW - CONTROL LEVER / GEAR                                                            |
| ENDS                | WAFFER TYPE TO SUIT ANSI B 16.5 (150#)                                                 |
| HYD - TEST PRESSURE | BODY : 300 Psig (21 Kg/Cm <sup>2</sup> )<br>SEAT : 220 Psig (15.5 Kg/Cm <sup>2</sup> ) |

**SIZE RANGE**

**40 MM TO 300 MM**

ITEM NO. 92 B



## SPARE FOR "ECOTECH BUTTERFLY VALVE" MOULDING SEAT

# BUTTERFLY VALVES

shiva

## CAST IRON 2PC DESIGN PTFE / PFA / FEP LINED MUFFLER BUTTERFLY VALVE

|                     |                                                                                        |
|---------------------|----------------------------------------------------------------------------------------|
| BODY                | IS 210 Gr FG 200/220 / WCB / CF8 / CF8M                                                |
| DISC                | ASTM A 351 Gr CF8 / CF8M                                                               |
| SEAT                | PTFE MUFFLER                                                                           |
| SHAFT               | AISI 304 / AISI 316                                                                    |
| MFG STD             | BS 5155                                                                                |
| INSP & TEST STD     | BS 6755 / BS 5155                                                                      |
| OPERATION           | FLOW - CONTROL LEVER / GEAR                                                            |
| ENDS                | WAFER TYPE TO SUIT ANSI B 16.1 (125#)                                                  |
| HYD - TEST PRESSURE | BODY : 225 Psig (16 Kg/Cm <sup>2</sup> )<br>SEAT : 165 Psig (11.5 Kg/Cm <sup>2</sup> ) |

**SIZE RANGE**

**50 MM TO 600 MM**

ITEM NO. 93



## OFF-SET DISC DESIGN BUTTERFLY VALVE DOUBLE FLANGE

|                   |                                                                                              |
|-------------------|----------------------------------------------------------------------------------------------|
| BODY              | C.I / D.I / C.S / CF8 / CF8M                                                                 |
| DISC              | C.I / D.I / C.S / CF8 / CF8M                                                                 |
| BODY SEAT         | SS 304 / SS 316                                                                              |
| DISC SEAL         | NITRILE / EPDM / VITON                                                                       |
| SHAFT             | AISI 410 / AISI 304 / AISI 316                                                               |
| BEARING BUSH      | PTFE / GUN METAL                                                                             |
| MFG STD           | BS EN-593 (BS 5155)/AWWA C-504/API 609/IS 13095                                              |
| INSP & TEST STD   | EN 12266-1 / AWWA C-504 / API 598                                                            |
| OPERATION         | GEAR OPERATED                                                                                |
| ENDS              | DOUBLE FLANGED END TO IS 1538/ANSI B 16.5 (150#)<br>B 16.47 (SERIES-A/B) / BS 4504 / IS 6392 |
| HYD-TEST PRESSURE | BODY : 225 Psig (16 Kg/Cm <sup>2</sup> )<br>SEAT : 165 Psig (11.5 Kg/Cm <sup>2</sup> )       |

**SIZE RANGE**

**50 MM TO 1800 MM**

ITEM NO. 94



## OFF-SET DISC DESIGN BUTTERFLY VALVE WAFER TYPE

|                   |                                                                                        |
|-------------------|----------------------------------------------------------------------------------------|
| BODY              | C.I / D.I / C.S / CF8 / CF8M                                                           |
| DISC              | C.I / D.I / C.S / CF8 / CF8M                                                           |
| SEAT              | NITRILE                                                                                |
| SHAFT             | AISI 410 / AISI 304 / AISI 316                                                         |
| BEARING BUSH      | PTFE / GUN METAL                                                                       |
| MFG STD           | API 609                                                                                |
| INSP & TEST STD   | API 598                                                                                |
| OPERATION         | FLOW CONTROL GEAR OPERATED                                                             |
| ENDS              | WAFER TYPE TO IS 1538 / B 16.5 (150#)                                                  |
| HYD-TEST PRESSURE | BODY : 225 Psig (16 Kg/Cm <sup>2</sup> )<br>SEAT : 165 Psig (11.5 Kg/Cm <sup>2</sup> ) |

**SIZE RANGE**

**65 MM TO 1800 MM**

ITEM NO. 94 A



## SPHERICAL DISC HIGH PERFORMANCE BUTTERFLY VALVE - ASA 150 CLASS

|                   |                                                                                      |
|-------------------|--------------------------------------------------------------------------------------|
| BODY              | WCB / CF8 / CF8M                                                                     |
| DISC              | ASTM A 351 Gr CF8 / CF8M                                                             |
| SEAT              | PTFE / GRAPHITE FILLED PTFE / GLASS FILLED PTFE                                      |
| SHAFT             | AISI 410 / AISI 304 / AISI 316                                                       |
| MFG STD           | API 609                                                                              |
| INSP & TEST STD   | API 598                                                                              |
| OPERATION         | FLOW CONTROL LEVER / GEAR OPERATED                                                   |
| ENDS              | WAFER TYPE TO SUIT ANSI B 16.5 (150#)                                                |
| HYD-TEST PRESSURE | BODY : 300 Psig (21 Kg/Cm <sup>2</sup> )<br>SEAT : 160 Psig (11 Kg/Cm <sup>2</sup> ) |

**SIZE RANGE**

**40 MM TO 1200 MM**

ITEM NO. 95





# BUTTERFLY VALVES

shiva

ITEM NO. 95 A



## SPHERICAL DISC HIGH PERFORMANCE BUTTERFLY VALVE - ASA 300 CLASS

|                   |                                                                                       |
|-------------------|---------------------------------------------------------------------------------------|
| BODY              | WCB / CF8 / CF8M                                                                      |
| DISC              | ASTM A 351 Gr CF8 / CF8M                                                              |
| SEAT              | PTFE / GRAPHITE FILLED PTFE / GLASS FILLED PTFE                                       |
| SHAFT             | AISI 410 / AISI 304 / AISI 316                                                        |
| MFG STD           | API 609                                                                               |
| INSP & TEST STD   | API 598                                                                               |
| OPERATION         | FLOW CONTROL LEVER / GEAR OPERATED                                                    |
| ENDS              | WAFER TYPE TO SUIT ANSI B 16.5 (150#)                                                 |
| HYD-TEST PRESSURE | BODY : 1100 Psig (77 Kg/Cm <sup>2</sup> )<br>SEAT : 800 Psig (56 Kg/Cm <sup>2</sup> ) |

**SIZE RANGE** 40 MM TO 1200 MM

ITEM NO. 95 B



## INVESTMENT CASTING HIGH PERFORMANCE "SMT" MODEL BUTTERFLY VALVE REPLACEABLE SEAL DESIGN

|                     |                                                                                        |
|---------------------|----------------------------------------------------------------------------------------|
| BODY                | WCB / ASTM A 351 Gr CF8 / CF8M                                                         |
| DISC                | ASTM A 351 Gr CF8 / CF8M                                                               |
| SEAT                | METAL TO METAL                                                                         |
| INSP & TEST STD     | BS 6755 / BS 5155                                                                      |
| LEAKAGE CLASS       | CLASS VI AS PER 16.104 (TIGHT SHUT OFF)                                                |
| OPERATION           | FLOW - CONTROL LEVER / GEAR                                                            |
| ENDS                | WAFER TYPE TO SUIT ANSI B 16.5 (150#)                                                  |
| HYD - TEST PRESSURE | BODY : 225 Psig (16 Kg/Cm <sup>2</sup> )<br>SEAT : 165 Psig (11.5 Kg/Cm <sup>2</sup> ) |

**SIZE RANGE** 50 MM TO 300 MM

ITEM NO. 96



## CAST IRON DAMPER BUTTERFLY VALVE WAFER TYPE

|                 |                                            |
|-----------------|--------------------------------------------|
| BODY            | IS 210 Gr FG 200 / 220 / ASTM A 216 Gr WCB |
| DISC            | ASTM A 351 Gr CF8 / CF8M                   |
| SEAT            | METAL TO METAL                             |
| INSP & TEST STD | BS 6755 / BS 5155                          |
| LEAKAGE CLASS   | CLASS IV AS PER 16.104                     |
| OPERATION       | FLOW - CONTROL LEVER / GEAR                |
| ENDS            | WAFER TYPE TO SUIT ANSI B 16.5 (150#)      |
| RATING          | PN - 10                                    |

**SIZE RANGE** 40 MM TO 500 MM

ITEM NO. 97



## FABRICATED BUTTERFLY VALVE OFF-SET DISC DESIGN

|                       |                                                    |
|-----------------------|----------------------------------------------------|
| BODY                  | IS 2062 Gr B (M.S.) / IS 2002                      |
| DISC                  | IS 2062 Gr B (M.S.) / IS 2002                      |
| SHAFT                 | AISI 410 / AISI 304 / AISI 316                     |
| DISC SEAL             | NITRILE / EPDM / VITON                             |
| BODY SEAT             | SS 304 / SS 316                                    |
| LEAKAGE CLASS         | CLASS VI AS PER B16.104                            |
| ENDS                  | AS PER AWWA C-207 CLASS B / D                      |
| PRESSURE RATING       | PN 6 / PN 10                                       |
| FACE TO FACE          | AS PER AWWA C-504 (ABOVE 1800 MM AS PER MFR. STD.) |
| OPERATING TEMPERATURE | -50° C TO 250° C                                   |
| <b>SIZE RANGE</b>     | <b>300 MM TO 2600 MM</b>                           |

## SS INVESTMENT CASTING SINGLE PIECE DESIGN BALL VALVE

|                     |                                      |
|---------------------|--------------------------------------|
| BODY                | ASTM A 351 Gr CF8 / CF8M             |
| BALL                | ASTM A 351 Gr CF8 / CF8M             |
| STEM                | AISI 304 / AISI 316                  |
| SEAT & SEALS        | PTFE                                 |
| BLOW OUT PROOF STEM | FLOATING BALL FULL BORE              |
| MFG STD             | GENERALLY CONFORMING TO BS 5351      |
| TESTING             | BS 6755                              |
| PRESS. TEMP RATING  | CONFORM TO TABLE 3 OF BS 5351        |
| LEVER               | AISI 304 WITH PVC SLEEVE             |
| ENDS                | SCREWED TO BSP / BSPT / NPT / IS 554 |
|                     | SOCKETWELD TO ANSI B 16.11           |
| <b>SIZE RANGE</b>   | <b>8 MM TO 100 MM</b>                |

ITEM NO. 98



## SS INVESTMENT CASTING THREE PIECE DESIGN BALL VALVE

|                     |                                      |
|---------------------|--------------------------------------|
| BODY                | ASTM A 351 Gr CF8 / CF8M             |
| BALL                | ASTM A 351 Gr CF8 / CF8M             |
| STEM                | AISI 304 / AISI 316                  |
| SEAT & SEALS        | PTFE                                 |
| BLOW OUT PROOF STEM | FLOATING BALL FULL BORE              |
| MFG STD             | GENERALLY CONFORMING TO BS 5351      |
| TESTING             | BS 6755                              |
| PRESS. TEMP RATING  | CONFORM TO TABLE 3 OF BS 5351        |
| LEVER               | AISI 304 WITH PVC SLEEVE             |
| ENDS                | SCREWED TO BSP / BSPT / NPT / IS 554 |
|                     | SOCKETWELD TO ANSI B 16.11           |
| <b>SIZE RANGE</b>   | <b>15 MM TO 100 MM</b>               |

ITEM NO. 99



## SS INVESTMENT CASTING THREE PIECE DESIGN BALL VALVE - TABLE "E" / "F"

|                     |                                  |
|---------------------|----------------------------------|
| BODY                | ASTM A 351 Gr CF8 / CF8M         |
| BALL                | ASTM A 351 Gr CF8 / CF8M         |
| STEM                | AISI 304 / AISI 316              |
| SEAT & SEALS        | PTFE                             |
| BLOW OUT PROOF STEM | FLOATING BALL FULL BORE          |
| MFG STD             | GENERALLY CONFORMING TO BS 5351  |
| TESTING             | BS 6755                          |
| PRESS. TEMP RATING  | CONFORM TO TABLE 3 OF BS 5351    |
| LEVER               | AISI 304 WITH PVC SLEEVE         |
| ENDS                | FLANGED TO BS 10 TABLE "E" / "F" |
| <b>SIZE RANGE</b>   | <b>15 MM TO 100 MM</b>           |

ITEM NO. 100





ITEM NO. 98 A



## SS INVESTMENT CASTING "ECO" BALL VALVE SINGLE PIECE DESIGN

|                     |                                      |
|---------------------|--------------------------------------|
| BODY                | ASTM A 351 Gr CF8 / CF8M             |
| BALL                | ASTM A 351 Gr CF8 / CF8M             |
| STEM                | AISI 304 / AISI 316                  |
| SEAT & SEALS        | PTFE                                 |
| BLOW OUT PROOF STEM | FLOATING BALL FULL BORE              |
| MFG STD             | GENERALLY CONFORMING TO BS 5351      |
| TESTING             | BS 6755                              |
| PRESS. TEMP RATING  | CONFORM TO TABLE 3 OF BS 5351        |
| LEVER               | AISI 304 WITH PVC SLEEVE             |
| ENDS                | SCREWED TO BSP / BSPT / NPT / IS 554 |
|                     | SOCKETWELD TO ANSI B 16.11           |

**SIZE RANGE**

**15 MM TO 100 MM**

ITEM NO. 99 A



## SS INVESTMENT CASTING "ECO" BALL VALVE THREE PIECE DESIGN

|                     |                                      |
|---------------------|--------------------------------------|
| BODY                | ASTM A 351 Gr CF8 / CF8M             |
| BALL                | ASTM A 351 Gr CF8 / CF8M             |
| STEM                | AISI 304 / AISI 316                  |
| SEAT & SEALS        | PTFE                                 |
| BLOW OUT PROOF STEM | FLOATING BALL FULL BORE              |
| MFG STD             | GENERALLY CONFORMING TO BS 5351      |
| TESTING             | BS 6755                              |
| PRESS. TEMP RATING  | CONFORM TO TABLE 3 OF BS 5351        |
| LEVER               | AISI 304 WITH PVC SLEEVE             |
| ENDS                | SCREWED TO BSP / BSPT / NPT / IS 554 |
|                     | SOCKETWELD TO ANSI B 16.11           |

**SIZE RANGE**

**15 MM TO 100 MM**

ITEM NO. 100 A



## SS INVESTMENT CASTING THREE PIECE DESIGN - ASA 150 CLASS

|                     |                                 |
|---------------------|---------------------------------|
| BODY                | ASTM A 351 Gr CF8 / CF8M        |
| BALL                | ASTM A 351 Gr CF8 / CF8M        |
| STEM                | AISI 304 / AISI 316             |
| SEAT & SEALS        | PTFE                            |
| BLOW OUT PROOF STEM | FLOATING BALL FULL BORE         |
| MFG STD             | GENERALLY CONFORMING TO BS 5351 |
| TESTING             | BS 6755                         |
| PRESS. TEMP RATING  | CONFORM TO TABLE 3 OF BS 5351   |
| LEVER               | AISI 304 WITH PVC SLEEVE        |
| ENDS                | FLANGED TO ASA 150#             |

**SIZE RANGE**

**15 MM TO 100 MM**

## INVESTMENT CASTING BALL VALVES

shiva

**CANCELLED**

ITEM NO. 98 AA  
ITEM NO. 99 AA  
ITEM NO. 100 AA  
ITEM NO. 101

### INVESTMENT CASTING 800# BALL VALVE THREE PIECE DESIGN / REGULAR BORE

BODY  
BALL  
ENDS  
HYDRO TEST PRESSURE

ASTM A 351 Gr CF8 / CF8M / 216 Gr WCB  
ASTM A 351 Gr CF8 / CF8M / 216 Gr WCB  
SCREWED END / SOCKETWELD END  
BODY : 104 Kg/Cm<sup>2</sup>  
SEAT : 70 Kg/Cm<sup>2</sup>  
7 Kg/Cm<sup>2</sup>  
**15 MM TO 50 MM**

AIR TEST  
**SIZE RANGE**

ITEM NO. 102  
ITEM NO. 103  
ITEM NO. 104





# BALL VALVES

shiva

ITEM NO. 105



## CAST IRON SINGLE PIECE DESIGN BALL VALVE S/E & F/E 125# BLOW-OUT PROOF STEM, FLOATING BALL FULL PORT

|                      |                                                                                               |
|----------------------|-----------------------------------------------------------------------------------------------|
| BODY                 | IS 210 Gr FG 200/220                                                                          |
| BALL                 | AISI 304 / ASTM A 351 Gr CF8                                                                  |
| STEM                 | AISI 304                                                                                      |
| SEAT & SEALS         | PTFE                                                                                          |
| MFG STD              | GENERALLY CONFORMING TO BS 5159                                                               |
| TESTING              | BS 6755/ BS 5159                                                                              |
| LEVER                | CARBON STEEL WITH PVC SLEEVE                                                                  |
| ENDS                 | SCREWED TO BSP / BSPT / NPT<br>FLANGED TO BS 10 TABLE "F"<br>FLANGED TO ANSI B 16.1 FF (125#) |
| HYDR - TEST PRESSURE | BODY : 225 Psig (16 Kg/Cm <sup>2</sup> )<br>SEAT : 165 Psig (11.5 Kg/Cm <sup>2</sup> )        |
| SIZE RANGE           | 15 MM TO 100 MM                                                                               |

ITEM NO. 106



## SS 304 SINGLE PIECE DESIGN BALL VALVE S/E & S/W 150# BLOW - OUT PROOF STEM, FLOATING BALL FULL PORT

|                      |                                                                                      |
|----------------------|--------------------------------------------------------------------------------------|
| BODY                 | AISI 304                                                                             |
| BALL                 | AISI 304 / ASTM A 351 Gr CF8                                                         |
| STEM                 | AISI 304                                                                             |
| SEAT & SEALS         | PTFE                                                                                 |
| MFG STD              | GENERALLY CONFORMING TO BS 5351                                                      |
| TESTING              | BS 6755                                                                              |
| LEVER                | CARBON STEEL ZINC PLATED WITH PVC SLEEVE                                             |
| ENDS                 | SCREWED TO BSP / BSPT / NPT<br>SOCKETWELD TO ANSI B 16.11                            |
| HYDR - TEST PRESSURE | BODY : 425 Psig (30 Kg/Cm <sup>2</sup> )<br>SEAT : 300 Psig (21 Kg/Cm <sup>2</sup> ) |
| SIZE RANGE           | 8 MM TO 100 MM                                                                       |

ITEM NO. 107



## SS 304 SINGLE PIECE DESIGN BALL VALVE F/E 150# BLOW-OUT PROOF STEM FLOATING BALL FULL PORT

|                    |                                                                                      |
|--------------------|--------------------------------------------------------------------------------------|
| BODY               | AISI 304                                                                             |
| BALL               | AISI 304 / ASTM A 351 Gr CF8                                                         |
| STEM               | AISI 304                                                                             |
| SEAT & SEALS       | PTFE                                                                                 |
| MFG STD            | GENERALLY CONFORMING TO BS 5351                                                      |
| TESTING            | BS 6755                                                                              |
| LEVER              | CARBON STEEL ZINC PLATED WITH PVC SLEEVE                                             |
| ENDS               | FLANGED TO BS 10 TABLE "F"                                                           |
| HYDR-TEST PRESSURE | BODY : 425 Psig (30 Kg/Cm <sup>2</sup> )<br>SEAT : 300 Psig (21 Kg/Cm <sup>2</sup> ) |
| SIZE RANGE         | 15 MM TO 100 MM                                                                      |

# BALL VALVES

shiva

## SS 316 SINGLE PIECE DESIGN BALL VALVE S/E & S/W 150# BLOW-OUT PROOF STEM, FLOATING BALL FULL PORT

|                    |                                          |
|--------------------|------------------------------------------|
| BODY               | AISI 316                                 |
| BALL               | AISI 316 / ASTM A 351 Gr CF8M            |
| STEM               | AISI 316                                 |
| SEAT & SEALS       | PTFE                                     |
| MFG STD            | GENERALLY CONFORMING TO BS 5351          |
| TESTING            | BS 6755                                  |
| LEVER              | CARBON STEEL ZINC PLATED WITH PVC SLEEVE |
| ENDS               | SCREWED TO BSP / BSPT / NPT              |
|                    | SOCKETWELD ENDS TO ANSI B 16.11          |
| HYDR-TEST PRESSURE | BODY : 425 Psig (30 Kg/Cm <sup>2</sup> ) |
|                    | SEAT : 300 Psig (21 Kg/Cm <sup>2</sup> ) |
| <b>SIZE RANGE</b>  | <b>8 MM TO 50 MM</b>                     |

ITEM NO. 108



## SS 316 SINGLE PIECE DESIGN BALL VALVE F/E ASA 150# BLOW-OUT PROOF STEM, FLOATING BALL FULL PORT

|                      |                                          |
|----------------------|------------------------------------------|
| BODY                 | AISI 316                                 |
| BALL                 | AISI 316 / ASTM 351 Gr CF8M              |
| STEM                 | AISI 316                                 |
| SEAT & SEALS         | PTFE                                     |
| MFG STD              | GENERALLY CONFORMING TO BS 5351          |
| TESTING              | BS 6755                                  |
| LEVER                | CARBON STEEL ZINC PLATED WITH PVC SLEEVE |
| ENDS                 | FLANGED TO BS 10 TABLE "F"               |
|                      | FLANGED TO ANSI B 16.5 RF (150#)         |
| HYDR - TEST PRESSURE | BODY : 425 Psig (30 Kg/Cm <sup>2</sup> ) |
|                      | SEAT : 300 Psig (21 Kg/Cm <sup>2</sup> ) |
| <b>SIZE RANGE</b>    | <b>15 MM TO 100 MM</b>                   |

ITEM NO. 109



## CARBON STEEL (MS) SINGLE PIECE DESIGN BALL VALVE S/E & S/W 150# BLOW-OUT PROOF STEM FLOATING BALL FULL PORT

|                    |                                          |
|--------------------|------------------------------------------|
| BODY               | EN 8                                     |
| BALL               | AISI 304 / ASTM A 351 Gr CF8             |
| STEM               | AISI 304                                 |
| SEAT & SEALS       | PTFE                                     |
| MFG STD            | GENERALLY CONFORMING TO BS 5351          |
| TESTING            | BS 6755                                  |
| LEVERSLEEVE        | CARBON STEEL ZINC PLATED WITH PVC SLEEVE |
| ENDS               | SCREWED TO BSP/BSPT/NPT                  |
|                    | SOCKETWELD TO ANSI B 16.11               |
| HYDR-TEST PRESSURE | BODY : 425 Psig (30 Kg/Cm <sup>2</sup> ) |
|                    | SEAT : 300 Psig (21 Kg/Cm <sup>2</sup> ) |
| <b>SIZE RANGE</b>  | <b>15 MM TO 100 MM</b>                   |

ITEM NO. 110





ITEM NO. 111



## CARBON STEEL (MS) SINGLE PIECE DESIGN BALL VALVE F/E 150# BLOW-OUT PROOF STEM FLOATING BALL FULL PORT

|                    |                                          |
|--------------------|------------------------------------------|
| BODY               | EN 8                                     |
| BALL               | AISI 304 / ASTM A 351 Gr CF8             |
| STEM               | AISI 304                                 |
| SEAT & SEALS       | PTFE                                     |
| MFG STD            | GENERALLY CONFORMING TO BS 5351          |
| TESTING            | BS 6755                                  |
| LEVER              | CARBON STEEL ZINC PLATED WITH PVC SLEEVE |
| ENDS               | FLANGED TO BS 10 TABLE "F"               |
|                    | FLANGED TO ANSI B 16.5 RF (150#)         |
| HYDR-TEST PRESSURE | BODY : 425 Psig (30 Kg/Cm <sup>2</sup> ) |
|                    | SEAT : 300 Psig (21 Kg/Cm <sup>2</sup> ) |
| SIZE RANGE         | 15 MM TO 100 MM                          |

ITEM NO. 112



## CAST IRON THREE PIECE DESIGN BALL VALVE S/E 125# BLOW-OUT PROOF STEM FLOATING BALL FULL PORT

|                      |                                            |
|----------------------|--------------------------------------------|
| BODY                 | IS 210 Gr FG 200/220                       |
| BALL                 | AISI 304 / ASTM A 351 Gr CF8               |
| STEM                 | AISI 304                                   |
| SEAT & SEALS         | PTFE                                       |
| MFG STD              | GENERALLY CONFORMING TO BS 5159            |
| TESTING              | BS 6755 / BS 5159                          |
| LEVER                | CARBON STEEL WITH PVC SLEEVE               |
| ENDS                 | SCREWED TO BSP / BSPT / NPT                |
| HYDR - TEST PRESSURE | BODY : 225 Psig (16 Kg/Cm <sup>2</sup> )   |
|                      | SEAT : 165 Psig (11.5 Kg/Cm <sup>2</sup> ) |
| SIZE RANGE           | 15 MM TO 100 MM                            |

ITEM NO. 113



## CAST IRON THREE PIECE DESIGN BALL VALVE F/E 125# BLOW-OUT PROOF STEM FLOATING BALL FULL PORT

|                    |                                            |
|--------------------|--------------------------------------------|
| BODY               | IS 210 Gr FG 200/220                       |
| BALL               | AISI 304 / ASTM A 351 Gr CF8               |
| STEM               | AISI 304                                   |
| SEAT & SEALS       | PTFE                                       |
| MFG STD            | GENERALLY CONFORMING TO BS 5159            |
| TESTING            | BS 6755/ BS 5159                           |
| LEVER              | CARBON STEEL WITH PVC SLEEVE               |
| ENDS               | FLANGED TO ANSI B 16.1 FF (125#)           |
|                    | FLANGED TO BS 10 TABLE "E"                 |
| HYDR-TEST PRESSURE | BODY : 225 Psig (16 Kg/Cm <sup>2</sup> )   |
|                    | SEAT : 165 Psig (11.5 Kg/Cm <sup>2</sup> ) |
| SIZE RANGE         | 15 MM TO 300 MM                            |

## SS 304 THREE PIECE DESIGN BALL VALVE S/E & S/W 150# BLOW-OUT PROOF STEM FLOATING BALL FULL PORT

|                    |                                                                                      |
|--------------------|--------------------------------------------------------------------------------------|
| BODY               | AISI 304                                                                             |
| BALL               | AISI 304 / ASTM A 351 Gr CF8                                                         |
| STEM               | AISI 304                                                                             |
| SEAT & SEALS       | PTFE                                                                                 |
| MFG STD            | GENERALLY CONFORMING TO BS 5351                                                      |
| TESTING            | BS 6755                                                                              |
| LEVER              | MS ZINC PLATED WITH PVC SLEEVE                                                       |
| ENDS               | SCREWED TO BSP / BSPT / NPT<br>SOCKETWELD TO ANSI B 16.11                            |
| HYDR-TEST PRESSURE | BODY : 425 Psig (30 Kg/Cm <sup>2</sup> )<br>SEAT : 300 Psig (21 Kg/Cm <sup>2</sup> ) |
| <b>SIZE RANGE</b>  | <b>15 MM TO 100 MM</b>                                                               |

ITEM NO. 114



## SS 304 THREE PIECE DESIGN BALL VALVE F/E 150# BLOW-OUT PROOF STEM, FLOATING BALL FULL/REDUCED PORT

|                    |                                                                                      |
|--------------------|--------------------------------------------------------------------------------------|
| BODY               | AISI 304                                                                             |
| BALL               | AISI 304 / ASTM A 351 Gr CF8                                                         |
| STEM               | AISI 304                                                                             |
| SEAT & SEALS       | PTFE                                                                                 |
| MFG STD            | GENERALLY CONFORMING TO BS 5351                                                      |
| TESTING            | BS 6755                                                                              |
| LEVER              | MS ZINC PLATED WITH PVC SLEEVE                                                       |
| ENDS               | FLANGED TO BS 10 TABLE "F"<br>FLANGED TO ANSI B 16.5 RF (150#)                       |
| HYDR-TEST PRESSURE | BODY : 425 Psig (30 Kg/Cm <sup>2</sup> )<br>SEAT : 300 Psig (21 Kg/Cm <sup>2</sup> ) |
| <b>SIZE RANGE</b>  | <b>15 MM TO 300 MM</b>                                                               |

ITEM NO. 115



## SS 304 L / 316 L THREE PRICE DESIGN BALL VALVE F/E 150# BLOW-OUT PROOF STEM, FLOATING BALL FULL/REDUCED PORT

|                    |                                                                                      |
|--------------------|--------------------------------------------------------------------------------------|
| BODY               | AISI 304L / AISI 316L / ASTM A 351 Gr CF3 / CF3M                                     |
| BALL               | AISI 304L / AISI 316L / ASTM A 351 Gr CF3 / CF3M                                     |
| STEM               | AISI 304L                                                                            |
| SEAT & SEALS       | PTFE                                                                                 |
| MFG STD            | GENERALLY CONFORMING TO BS 5351                                                      |
| TESTING            | BS 6755                                                                              |
| LEVER              | CARBON STEEL ZINC PLATED WITH PVC SLEEVE                                             |
| ENDS               | FLANGED TO BS 10 TABLE "F"<br>FLANGED TO ANSI B 16.5 RF (150#)                       |
| HYDR-TEST PRESSURE | BODY : 425 Psig (30 Kg/Cm <sup>2</sup> )<br>SEAT : 300 Psig (21 Kg/Cm <sup>2</sup> ) |
| <b>SIZE RANGE</b>  | <b>15 MM TO 200 MM</b>                                                               |

ITEM NO. 116





ITEM NO. 117



## SS 316 THREE PIECE DESIGN BALL VALVE S/E & S/W 150# BLOW OUT PROOF STEM, FLOATING BALL FULL PORT

|                    |                                          |
|--------------------|------------------------------------------|
| BODY               | AISI 316                                 |
| BALL               | AISI 316 / ASTM A 351 Gr CF8M            |
| STEM               | AISI 316                                 |
| SEAT & SEALS       | PTFE                                     |
| MFG STD            | GENERALLY CONFORMING TO BS 5351          |
| TESTING            | BS 6755                                  |
| LEVER              | MS ZINC PLATED WITH PVC SLEEVE           |
| ENDS               | SCREWED TO BSP / BSPT / NPT              |
|                    | SOCKETWELD TO ANSI B 16.11               |
| HYDR-TEST PRESSURE | BODY : 425 Psig (30 Kg/Cm <sup>2</sup> ) |
|                    | SEAT : 300 Psig (21 Kg/Cm <sup>2</sup> ) |
| SIZE RANGE         | 15 MM TO 50 MM                           |

ITEM NO. 118



## SS 316 THREE PIECE DESIGN BALL VALVE F/E 150# BLOW OUT PROOF STEM, FLOATING BALL FULL REDUCED PORT

|                    |                                          |
|--------------------|------------------------------------------|
| BODY               | AISI 316                                 |
| BALL               | AISI 316 / ASTM A 351 Gr CF8M            |
| STEM               | AISI 316                                 |
| SEAT & SEALS       | PTFE                                     |
| MFG STD            | GENERALLY CONFORMING TO BS 5351          |
| TESTING            | BS 6755                                  |
| LEVER              | MS ZINC PLATED WITH PVC SLEEVE           |
| ENDS               | FLANGED TO BS 10 TABLE "F"               |
|                    | FLANGED TO ANSI B 16.5 RF (150#)         |
| HYDR-TEST PRESSURE | BODY : 425 Psig (30 Kg/Cm <sup>2</sup> ) |
|                    | SEAT : 300 Psig (21 Kg/Cm <sup>2</sup> ) |
| SIZE RANGE         | 15 MM TO 150 MM                          |

ITEM NO. 119



## CAST STEEL 2 PIECE DESIGN BLOW-OUT PROOF STEM, FLOATING BALL FULL PORT / REDUCE PORT BALL VALVE 150#

|                   |                                          |
|-------------------|------------------------------------------|
| BODY              | ASTM A 216 Gr WCB                        |
| BALL              | AISI 304 / ASTM A 351 Gr CF8             |
| STEM              | AISI 304                                 |
| SEAT & SEAL       | PTFE                                     |
| MFG. STD          | GENERALLY CONFORMING TO BS 5351          |
| TEST STD          | BS 6755                                  |
| LEVER             | CARBON STEEL WITH PVC SLEEVE             |
| ENDS              | FLANGED TO ANSI B 16.5 (150#)            |
| HYD-TEST PRESSURE | BODY : 425 Psig (30 Kg/Cm <sup>2</sup> ) |
|                   | SEAT : 300 Psig (21 Kg/Cm <sup>2</sup> ) |
| SIZE RANGE        | 15 MM TO 600 MM                          |

## CAST STEEL 2 PIECE DESIGN BLOW-OUT PROOF STEM FLOATING BALL FULL PORT / REDUCE PORT BALL VALVE 300#

|                         |                                           |
|-------------------------|-------------------------------------------|
| BODY                    | ASTM A 216 Gr WCB                         |
| BALL                    | AISI 304 / ASTM A 351 Gr CF8              |
| STEM                    | AISI 304                                  |
| SEAT & SEAL             | PTFE                                      |
| MFG. STD                | GENERALLY CONFORMING TO BS 5351           |
| TEST STD                | BS 6755                                   |
| LEVER                   | CARBON STEEL WITH PVC SLEEVE              |
| ENDS                    | FLANGED TO ANSI B 16.5 RF (300#)          |
| HYD-TEST PRESSURE       | BODY : 1100 Psig (77 Kg/Cm <sup>2</sup> ) |
| PNEUMATIC TEST PRESSURE | SEAT : 100 Psig (7 Kg/Cm <sup>2</sup> )   |
| <b>SIZE RANGE</b>       | <b>15 MM TO 600 MM</b>                    |

ITEM NO. 120



## CAST STEEL THREE PIECE DESIGN BLOW-OUT PROOF STEM, FLOATING BALL FULL PORT / REDUCE PORT BALL VALVE 300#

|                         |                                           |
|-------------------------|-------------------------------------------|
| BODY                    | ASTM A 216 Gr WCB                         |
| BALL                    | AISI 304 / ASTM A 351 Gr CF8              |
| STEM                    | AISI 304                                  |
| SEAT & SEAL             | PTFE                                      |
| MFG. STD                | GENERALLY CONFORMING TO BS 5351           |
| TEST STD                | BS 6755                                   |
| LEVER                   | CARBON STEEL WITH PVC SLEEVE              |
| ENDS                    | FLANGED TO ANSI B 16.5 RF (300#)          |
| HYD-TEST PRESSURE       | BODY : 1100 Psig (77 Kg/Cm <sup>2</sup> ) |
| PNEUMATIC TEST PRESSURE | SEAT : 100 Psig (7 Kg/Cm <sup>2</sup> )   |
| <b>SIZE RANGE</b>       | <b>15 MM TO 600 MM</b>                    |

ITEM NO. 121



## CARBON STEEL (M/S) THREE PIECE DESIGN BALL VALVE S/E & S/W 150# BLOW-OUT PROOF STEM, FLOATING BALL FULL PORT

|                    |                                                                                      |
|--------------------|--------------------------------------------------------------------------------------|
| BODY               | EN 8                                                                                 |
| BALL               | AISI 304 / ASTM A 351 Gr CF8                                                         |
| STEM               | AISI 304                                                                             |
| SEAT & SEALS       | PTFE                                                                                 |
| MFG STD            | GENERALLY CONFORMING TO BS 5351                                                      |
| TESTING            | BS 6755                                                                              |
| LEVER              | CARBON STEEL WITH PVC SLEEVE                                                         |
| ENDS               | SCREWED TO BSP / BSPT / NPT<br>SOCKETWELD TO ANSI B 16.11                            |
| HYDR-TEST PRESSURE | BODY : 425 Psig (30 Kg/Cm <sup>2</sup> )<br>SEAT : 300 Psig (21 Kg/Cm <sup>2</sup> ) |
| <b>SIZE RANGE</b>  | <b>8 MM TO 80 MM</b>                                                                 |

ITEM NO. 122





ITEM NO. 123



## CARBON STEEL (MS) THREE PIECE DESIGN BALL VALVE F/E 150# BLOW-OUT PROOF STEM, FLOATING BALL FULL/REDUCTED PORT

|                    |                                          |
|--------------------|------------------------------------------|
| BODY               | EN 8                                     |
| BALL               | AISI 304 / ASTM A 351 Gr CF8             |
| STEM               | AISI 304                                 |
| SEAT & SEALS       | PTFE                                     |
| MFG STD            | GENERALLY CONFORMING TO BS 5351          |
| TESTING            | BS 6755                                  |
| LEVER              | CARBON STEEL WITH PVC SLEEVE             |
| ENDS               | FLANGED TO BS 10 TABLE "F"               |
|                    | FLANGED TO ANSI B 16.5 RF (150#)         |
| HYDR-TEST PRESSURE | BODY : 425 Psig (30 Kg/Cm <sup>2</sup> ) |
|                    | SEAT : 300 Psig (21 Kg/Cm <sup>2</sup> ) |
| <b>SIZE RANGE</b>  | <b>8 MM TO 100 MM</b>                    |

ITEM NO. 124



## CAST STEEL THREE PIECE DESIGN BALL VALVE S/E & S/W 150# BLOW-OUT PROOF STEM, FLOATING BALL FULL PORT

|                    |                                          |
|--------------------|------------------------------------------|
| BODY               | ASTM A 216 Gr WCB                        |
| BALL               | ASTM A 304 / ASTM A 351 Gr CF8           |
| STEM               | AISI 304                                 |
| SEAT & SEALS       | PTFE                                     |
| MFG STD            | GENERALLY CONFORMING TO BS 5351          |
| TESTING            | BS 6755                                  |
| LEVER              | CARBON STEEL WITH PVC SLEEVE             |
| ENDS               | SCREWED TO BSP / BSPT / NPT              |
|                    | SOCKETWELD TO ANSI B 16.11               |
| HYDR-TEST PRESSURE | BODY : 425 Psig (30 Kg/Cm <sup>2</sup> ) |
|                    | SEAT : 300 Psig (21 Kg/Cm <sup>2</sup> ) |
| <b>SIZE RANGE</b>  | <b>15 MM TO 100 MM</b>                   |

ITEM NO. 125



## CAST STEEL THREE PIECE DESIGN BALL VALVE F/E 150# BLOW-OUT PROOF STEM, FLOATING BALL FULL/REDUCED PORT

|                    |                                          |
|--------------------|------------------------------------------|
| BODY               | ASTM A 216 Gr WCB                        |
| BALL               | AISI 304 / ASTM A 351 Gr CF8             |
| STEM               | AISI 304                                 |
| SEAT & SEALS       | PTFE                                     |
| MFG STD            | GENERALLY CONFORMING TO BS 5351          |
| TESTING            | BS 6755                                  |
| LEVER              | CARBON STEEL WITH PVC SLEEVE             |
| ENDS               | FLANGED TO BS 10 TABLE "F"               |
|                    | FLANGED TO ANSI B 16.5 RF (150#)         |
| HYDR-TEST PRESSURE | BODY : 425 Psig (30 Kg/Cm <sup>2</sup> ) |
|                    | SEAT : 300 Psig (21 Kg/Cm <sup>2</sup> ) |
| <b>SIZE RANGE</b>  | <b>15 MM TO 600 MM</b>                   |

## CAST S/STEEL 2 PIECE DESIGN BLOW-OUT PROOF STEM FLOATING BALL FULL / REDUCE PORT BALL VALVE ASA 150#/300#

|                         |                                           |
|-------------------------|-------------------------------------------|
| BODY                    | ASTM A 351 Gr CF8                         |
| BALL                    | AISI 304 / ASTM A 351 Gr CF8              |
| STEM                    | AISI 304                                  |
| SEAT & SEAL             | PTFE                                      |
| MFG. STD                | GENERALLY CONFORMING TO BS 5351           |
| TEST STD                | BS 6755                                   |
| LEVER                   | S/STEEL WITH PVC SLEEVE                   |
| ENDS                    | FLANGED TO ANSI B 16.5 (150#/300#)        |
| HYD-TEST PRESSURE       | BODY : 1100 Psig (77 Kg/Cm <sup>2</sup> ) |
| PNEUMATIC TEST PRESSURE | SEAT : 100 Psig (7 Kg/Cm <sup>2</sup> )   |
| <b>SIZE RANGE</b>       | <b>15 MM TO 600 MM</b>                    |

ITEM NO. 126



## CAST S/STEEL 3 PIECE DESIGN BLOW-OUT PROOF STEM FLOATING BALL FULL / REDUCE PORT BALL VALVE ASA 150#/300#

|                         |                                           |
|-------------------------|-------------------------------------------|
| BODY                    | ASTM A 351 Gr CF8                         |
| BALL                    | AISI 304 / ASTM A 351 Gr CF8              |
| STEM                    | AISI 304                                  |
| SEAT & SEAL             | PTFE                                      |
| MFG. STD                | GENERALLY CONFORMING TO BS 5351           |
| TEST STD                | BS 6755                                   |
| LEVER                   | S/STEEL WITH PVC SLEEVE                   |
| ENDS                    | FLANGED TO ANSI B 16.5 (150#/300#)        |
| HYD-TEST PRESSURE       | BODY : 1100 Psig (77 Kg/Cm <sup>2</sup> ) |
| PNEUMATIC TEST PRESSURE | SEAT : 100 Psig (7 Kg/Cm <sup>2</sup> )   |
| <b>SIZE RANGE</b>       | <b>15 MM TO 600 MM</b>                    |

ITEM NO. 127



## CAST S/STEEL 2 PIECE DESIGN BLOW-OUT PROOF STEM FLOATING BALL FULL / REDUCE PORT BALL VALVE ASA 150#/300#

|                         |                                           |
|-------------------------|-------------------------------------------|
| BODY                    | ASTM A 351 Gr CF8M                        |
| BALL                    | AISI 316 / ASTM A 351 Gr CF8M             |
| STEM                    | AISI 316                                  |
| SEAT & SEAL             | PTFE                                      |
| MFG. STD                | GENERALLY CONFORMING TO BS 5351           |
| TEST STD                | BS 6755                                   |
| LEVER                   | S/STEEL WITH PVC SLEEVE                   |
| ENDS                    | FLANGED TO ANSI B 16.5 (150#/300#)        |
| HYD-TEST PRESSURE       | BODY : 1100 Psig (77 Kg/Cm <sup>2</sup> ) |
| PNEUMATIC TEST PRESSURE | SEAT : 100 Psig (7 Kg/Cm <sup>2</sup> )   |
| <b>SIZE RANGE</b>       | <b>15 MM TO 600 MM</b>                    |

ITEM NO. 128





ITEM NO. 129



## CAST S/STEEL 3 PIECE DESIGN BLOW-OUT PROOF STEM FLOATING BALL FULL / REDUCE PORT BALL VALVE ASA 150#/300#

|                         |                                           |
|-------------------------|-------------------------------------------|
| BODY                    | ASTM A 351 Gr CF8M                        |
| BALL                    | AISI 316 / ASTM A 351 Gr CF8M             |
| STEM                    | AISI 316                                  |
| SEAT & SEAL             | PTFE                                      |
| MFG. STD                | GENERALLY CONFORMING TO BS 5351           |
| TEST STD                | BS 6755                                   |
| LEVER                   | S/STEEL WITH PVC SLEEVE                   |
| ENDS                    | FLANGED TO ANSI B 16.5 (150#/300#)        |
| HYD-TEST PRESSURE       | BODY : 1100 Psig (77 Kg/Cm <sup>2</sup> ) |
| PNEUMATIC TEST PRESSURE | SEAT : 100 Psig (7 Kg/Cm <sup>2</sup> )   |
| <b>SIZE RANGE</b>       | <b>15 MM TO 600 MM</b>                    |

ITEM NO. 130



## CAST S/STEEL 2 PIECE DESIGN BLOW-OUT PROOF STEM FLOATING BALL FULL / REDUCE PORT BALL VALVE ASA 150#/300#

|                         |                                           |
|-------------------------|-------------------------------------------|
| BODY                    | ASTM A 351 Gr CF3                         |
| BALL                    | AISI 304 L / ASTM A 351 Gr CF3            |
| STEM                    | AISI 304L                                 |
| SEAT & SEAL             | PTFE                                      |
| MFG. STD                | GENERALLY CONFORMING TO BS 5351           |
| TEST STD                | BS 6755                                   |
| LEVER                   | S/STEEL WITH PVC SLEEVE                   |
| ENDS                    | FLANGED TO ANSI B 16.5 (150#/300#)        |
| HYD-TEST PRESSURE       | BODY : 1100 Psig (77 Kg/Cm <sup>2</sup> ) |
| PNEUMATIC TEST PRESSURE | SEAT : 100 Psig (7 Kg/Cm <sup>2</sup> )   |
| <b>SIZE RANGE</b>       | <b>15 MM TO 600 MM</b>                    |

ITEM NO. 131



## CAST S/STEEL 3 PIECE DESIGN BLOW-OUT PROOF STEM FLOATING BALL FULL / REDUCE PORT BALL VALVE ASA 150#/300#

|                         |                                           |
|-------------------------|-------------------------------------------|
| BODY                    | ASTM A 351 Gr CF3                         |
| BALL                    | AISI 304 L / ASTM A 351 Gr CF3            |
| STEM                    | AISI 304L                                 |
| SEAT & SEAL             | PTFE                                      |
| MFG. STD                | GENERALLY CONFORMING TO BS 5351           |
| TEST STD                | BS 6755                                   |
| LEVER                   | S/STEEL WITH PVC SLEEVE                   |
| ENDS                    | FLANGED TO ANSI B 16.5 (150#/300#)        |
| HYD-TEST PRESSURE       | BODY : 1100 Psig (77 Kg/Cm <sup>2</sup> ) |
| PNEUMATIC TEST PRESSURE | SEAT : 100 Psig (7 Kg/Cm <sup>2</sup> )   |
| <b>SIZE RANGE</b>       | <b>15 MM TO 600 MM</b>                    |

## CAST S/STEEL 2 PIECE DESIGN BLOW-OUT PROOF STEM FLOATING BALL FULL / REDUCE PORT BALL VALVE ASA 150#/300#

|                         |                                           |
|-------------------------|-------------------------------------------|
| BODY                    | ASTM A 351 Gr CF3M                        |
| BALL                    | AISI 316 L / ASTM A 351 Gr CF3M           |
| STEM                    | AISI 316L                                 |
| SEAT & SEAL             | PTFE                                      |
| MFG. STD                | GENERALLY CONFORMING TO BS 5351           |
| TEST STD                | BS 6755                                   |
| ENDS                    | FLANGED TO ANSI B 16.5 (150#/300#)        |
| HYD-TEST PRESSURE       | BODY : 1100 Psig (77 Kg/Cm <sup>2</sup> ) |
| PNEUMATIC TEST PRESSURE | SEAT : 100 Psig (7 Kg/Cm <sup>2</sup> )   |
| <b>SIZE RANGE</b>       | <b>15 MM TO 600 MM</b>                    |

ITEM NO. 132



## CAST S/STEEL 3 PIECE DESIGN BLOW-OUT PROOF STEM FLOATING BALL FULL / REDUCE PORT BALL VALVE ASA 150#/300#

|                         |                                           |
|-------------------------|-------------------------------------------|
| BODY                    | ASTM A 351 Gr CF3M                        |
| BALL                    | AISI 316 L / ASTM A 351 Gr CF3M           |
| STEM                    | AISI 316L                                 |
| SEAT & SEAL             | PTFE                                      |
| MFG. STD                | GENERALLY CONFORMING TO BS 5351           |
| TEST STD                | BS 6755                                   |
| ENDS                    | FLANGED TO ANSI B 16.5 (150#/300#)        |
| HYD-TEST PRESSURE       | BODY : 1100 Psig (77 Kg/Cm <sup>2</sup> ) |
| PNEUMATIC TEST PRESSURE | SEAT : 100 Psig (7 Kg/Cm <sup>2</sup> )   |
| <b>SIZE RANGE</b>       | <b>15 MM TO 600 MM</b>                    |

ITEM NO. 133



## POLYPROPYLENE THREE PIECE DESIGN BALL VALVE BLOW-OUT PROOF STEM. FLOATING BALL FULL PORT

|                    |                                            |
|--------------------|--------------------------------------------|
| BODY               | POLYPROPYLENE                              |
| BALL & STEM        | POLYPROPYLENE                              |
| SEAT & SEALS       | PTFE                                       |
| MFG STD            | MARCK/024                                  |
| TESTING            | MARCK/024                                  |
| ENDS               | SCREWED TO BSP                             |
| HYDR-TEST PRESSURE | BODY : 225 Psig (16 Kg/Cm <sup>2</sup> )   |
|                    | SEAT : 165 Psig (11.5 Kg/Cm <sup>2</sup> ) |
| <b>SIZE RANGE</b>  | <b>15 MM TO 100 MM</b>                     |

ITEM NO. 134



## POLYPROPYLENE THREE PIECE DESIGN BALL VALVE BLOW-OUT PROOF STEM, FLOATING BALL FULL PORT

|                    |                                            |
|--------------------|--------------------------------------------|
| BODY               | POLYPROPYLENE                              |
| BALL & STEM        | POLYPROPYLENE                              |
| SEAT & SEALS       | PTFE                                       |
| MFG STD            | MARCK/024                                  |
| TESTING            | MARCK/024                                  |
| ENDS               | FLANGED TO BS 10 TABLE "E"                 |
|                    | FLANGED TO BS 10 TABLE "F"                 |
|                    | FLANGED TO ANSI B16.5 RF (150#)            |
| HYDR-TEST PRESSURE | BODY : 225 Psig (16 Kg/Cm <sup>2</sup> )   |
|                    | SEAT : 165 Psig (11.5 Kg/Cm <sup>2</sup> ) |
| <b>SIZE RANGE</b>  | <b>15 MM TO 300 MM</b>                     |

ITEM NO. 135





ITEM NO. 136



## FORGED CARBON STEEL 3 PIECE DESIGN BALL VALVE BLOW OUT PROOF FLOATING BALL REDUCED PORT

|                   |                                                                                                                             |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------|
| BODY              | ASTM A 105                                                                                                                  |
| BALL              | AISI 304 / ASTM A 351 Gr CF8                                                                                                |
| STEM              | AISI 304                                                                                                                    |
| SEAT & SEALS      | PTFE                                                                                                                        |
| MFG STD           | BS 5351 / BS 5159                                                                                                           |
| INSP. & TEST STD  | BS 6755                                                                                                                     |
| LEVER             | SS 304 WITH PVC SLEEVE                                                                                                      |
| ENDS              | SCREWED TO BSP / BSPT / NPT<br>SOCKETWELD ENDS TO ANSI B 16.11                                                              |
| HYD-TEST PRESSURE | BODY : 211 Kg/cm <sup>2</sup><br>SEAT : 70.38 Kg/cm <sup>2</sup> FOR 15MM TO 25MM<br>51 Kg/cm <sup>2</sup> FOR 32MM TO 50MM |
| SIZE RANGE        | <b>15 MM TO 50 MM</b>                                                                                                       |

ITEM NO. 136 A



## FORGED STAINLESS STEEL 3 PIECE DESIGN BALL VALVE BLOW OUT PROOF FLOATING BALL REDUCED PORT

|                   |                                                                                                                             |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------|
| BODY              | ASTM A 182 Gr F 304 / F 316                                                                                                 |
| BALL              | AISI 304 / AISI 316                                                                                                         |
| STEM              | AISI 304 / AISI 316                                                                                                         |
| SEAT & SEALS      | PTFE                                                                                                                        |
| MFG STD           | BS 5351 / BS 5159                                                                                                           |
| INSP. & TEST STD  | BS 6755                                                                                                                     |
| LEVER             | SS 304 WITH PVC SLEEVE                                                                                                      |
| ENDS              | SCREWED TO BSP / BSPT / NPT<br>SOCKETWELD ENDS TO ANSI B 16.11                                                              |
| HYD-TEST PRESSURE | BODY : 211 Kg/cm <sup>2</sup><br>SEAT : 70.38 Kg/cm <sup>2</sup> FOR 15MM TO 25MM<br>51 Kg/cm <sup>2</sup> FOR 32MM TO 50MM |
| SIZE RANGE        | <b>15MM TO 50MM</b>                                                                                                         |

ITEM NO. 137

**CANCELLED**

# 3 WAY BALL VALVES

shiva

## STAINLESS STEEL 304/ I C CF8M 3-WAY BALL VALVE ASA 150 CLASS BLOW-OUT PROOF STEM, FLOATING BALL FULL PORT

|                    |                                                              |
|--------------------|--------------------------------------------------------------|
| BODY               | AISI 304 / ASTM A 351 Gr CF8M                                |
| BALL               | AISI 304 / ASTM A 351 Gr CF8M                                |
| STEM               | AISI 304 / AISI 316                                          |
| SEAT & SEALS       | PTFE                                                         |
| MFG STD            | GENERALLY CONFORMING TO BS 5351                              |
| TESTING            | GENERALLY CONFORMING TO BS 6755 (PART - II)                  |
| LEVER              | MS ZINC PLATED WITH PVC SLEEVE                               |
| ENDS               | SCREWED TO BSP                                               |
| HYDR-TEST PRESSURE | BODY : 15 Kg/Cm <sup>2</sup><br>SEAT : 10 Kg/Cm <sup>2</sup> |
| <b>SIZE RANGE</b>  | <b>15 MM TO 100 MM</b>                                       |

ITEM NO. 138



## STAINLESS STEEL 304/316 3-WAY BALL VALVE ASA 150 CLASS BLOW-OUT PROOF STEM, FLOATING BALL FULL PORT

|                    |                                                                                      |
|--------------------|--------------------------------------------------------------------------------------|
| BODY               | AISI 304 / AISI 316                                                                  |
| BALL               | AISI 304 / AISI 316                                                                  |
| STEM               | AISI 304 / AISI 316                                                                  |
| SEAT & SEALS       | PTFE                                                                                 |
| MFG STD            | GENERALLY CONFORMING TO BS 5351                                                      |
| TESTING            | GENERALLY CONFORMING TO BS 6755                                                      |
| LEVER              | MS ZINC PLATED WITH PVC SLEEVE                                                       |
| ENDS               | FLANGED TO BS 10 TABLE "F"<br>FLANGED TO ANSI B 16.5 RF (150#)                       |
| HYDR-TEST PRESSURE | BODY : 425 Psig (30 Kg/Cm <sup>2</sup> )<br>SEAT : 300 Psig (21 Kg/Cm <sup>2</sup> ) |
| <b>SIZE RANGE</b>  | <b>15 MM TO 200 MM</b>                                                               |

ITEM NO. 139



## CAST IRON 3-WAY BALL VALVE ASA 125 CLASS, BLOW-OUT PROOF STEM, FLOATING BALL FULL PORT

|                    |                                                                                        |
|--------------------|----------------------------------------------------------------------------------------|
| BODY               | IS 210 Gr FG 200                                                                       |
| BALL               | AISI 304                                                                               |
| SEAT & SEALS       | PTFE                                                                                   |
| MFG STD            | GENERALLY CONFORMING TO BS 5159                                                        |
| TESTING            | GENERALLY CONFORMING TO BS 6755 / BS 5159                                              |
| LEVER              | CARBON STEEL WITH PVC SLEEVE                                                           |
| ENDS               | SCREWED TO BSP                                                                         |
| HYDR-TEST PRESSURE | BODY : 225 Psig (16 Kg/Cm <sup>2</sup> )<br>SEAT : 165 Psig (11.5 Kg/Cm <sup>2</sup> ) |
| <b>SIZE RANGE</b>  | <b>15 MM TO 100 MM</b>                                                                 |

ITEM NO. 140



## CAST IRON 3-WAY BALL VALVE ASA 125 CLASS, BLOW-OUT PROOF STEM, FLOATING BALL FULL PORT

|                    |                                                                                        |
|--------------------|----------------------------------------------------------------------------------------|
| BODY               | IS 210 Gr FG 200                                                                       |
| BALL               | AISI 304                                                                               |
| STEM               | AISI 304                                                                               |
| SEAT & SEALS       | PTFE                                                                                   |
| MFG STD            | GENERALLY CONFORMING TO BS 5159                                                        |
| INSP & TEST STD    | GENERALLY CONFORMING TO BS 6755/ BS 5159                                               |
| LEVER              | CARBON STEEL WITH PVC SLEEVE                                                           |
| ENDS               | FLANGED TO ANSI B 16.1 FF (125#)                                                       |
| HYDR-TEST PRESSURE | BODY : 225 Psig (16 Kg/Cm <sup>2</sup> )<br>SEAT : 165 Psig (11.5 Kg/Cm <sup>2</sup> ) |
| <b>SIZE RANGE</b>  | <b>15 MM TO 100 MM</b>                                                                 |

ITEM NO. 141





## 3 WAY / 4 WAY BALL VALVES

shiva

ITEM NO. 142



### CAST STEEL 3 WAY / 4 WAY BALL VALVE ASA 150 CLASS BLOW-OUT PROOF STEM, FLOATING BALL FULL PORT

|                    |                                                                                      |
|--------------------|--------------------------------------------------------------------------------------|
| BODY               | ASTM A 216 Gr WCB                                                                    |
| BALL               | AISI 304 / ASTM A 351 Gr CF8                                                         |
| STEM               | AISI 304                                                                             |
| SEAT & SEALS       | PTFE                                                                                 |
| MFG STD            | GENERALLY CONFORMING TO BS 5351                                                      |
| TESTING            | GENERALLY CONFORMING TO BS 6755                                                      |
| LEVER              | CARBON STEEL WITH PVC SLEEVE                                                         |
| ENDS               | FLANGED (L / T PORT) TO ANSI B 16.5 RF 150#                                          |
| HYDR-TEST PRESSURE | BODY : 425 Psig (30 Kg/Cm <sup>2</sup> )<br>SEAT : 300 Psig (21 Kg/Cm <sup>2</sup> ) |
| <b>SIZE RANGE</b>  | <b>15 MM to 200 MM</b>                                                               |

ITEM NO. 143



### CAST S/STEEL (CF8) 3-WAY / 4-WAY BALL VALVE ASA 150 CLASS BLOW-OUT PROOF STEM, FLOATING BALL FULL PORT

|                    |                                                                                      |
|--------------------|--------------------------------------------------------------------------------------|
| BODY               | ASTM A 351 Gr CF8                                                                    |
| BALL               | AISI 304 / ASTM A 351 Gr CF8                                                         |
| STEM               | AISI 304                                                                             |
| SEAT & SEALS       | PTFE                                                                                 |
| MFG STD            | GENERALLY CONFORMING TO BS 5351                                                      |
| TESTING            | GENERALLY CONFORMING TO BS 6755                                                      |
| LEVER              | CARBON STEEL WITH PVC SLEEVE                                                         |
| ENDS               | FLANGED (L / T PORT) TO ANSI B 16.5 RF 150#                                          |
| HYDR-TEST PRESSURE | BODY : 425 Psig (30 Kg/Cm <sup>2</sup> )<br>SEAT : 300 Psig (21 Kg/Cm <sup>2</sup> ) |
| <b>SIZE RANGE</b>  | <b>15 MM to 200 MM</b>                                                               |

ITEM NO. 144



### CAST S/STEEL (CF8M) 3-WAY / 4-WAY BALL VALVE ASA 150 CLASS BLOW-OUT PROOF STEM, FLOATING BALL FULL PORT

|                    |                                                                                      |
|--------------------|--------------------------------------------------------------------------------------|
| BODY               | ASTM A 351 Gr CF8M                                                                   |
| BALL               | AISI 316 / ASTM A 351 Gr CF8M                                                        |
| STEM               | AISI 316                                                                             |
| SEAT & SEALS       | PTFE                                                                                 |
| MFG STD            | GENERALLY CONFORMING TO BS 5351                                                      |
| TESTING            | GENERALLY CONFORMING TO BS 6755                                                      |
| LEVER              | CARBON STEEL WITH PVC SLEEVE                                                         |
| ENDS               | FLANGED (L / T PORT) TO ANSI B 16.5 RF 150#                                          |
| HYDR-TEST PRESSURE | BODY : 425 Psig (30 Kg/Cm <sup>2</sup> )<br>SEAT : 300 Psig (21 Kg/Cm <sup>2</sup> ) |
| <b>SIZE RANGE</b>  | <b>15 MM to 200 MM</b>                                                               |

## BALL VALVE SINGLE PIECE FLANGED END FULL PORT, FLANGES AS PER ASA 150# OR TABLE "F" ALL VALVES WITH M.S. JACKET

ITEM NO. 144 A

### C.I. / WCB / CF8 / CF8M / 2 PC DESIGN JACKETED BALL VALVE ASA 150 CLASS 3 WAY / BLOW-OUT PROOF STEM, FLOATING BALL FULL PORT

|                   |                                                                                                                                                            |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| BODY              | C.I. / WCB / CF8 / CF8 / CF8M                                                                                                                              |
| BALL              | AISI 304 / ASTM 316                                                                                                                                        |
| STEM              | AISI 304 / ASTM 316                                                                                                                                        |
| SEAT & SEAL       | PTFE                                                                                                                                                       |
| MFG. STD          | GENERALLY CONFORMING TO BS 5351                                                                                                                            |
| TEST STD          | GENERALLY CONFORMING TO BS 6755                                                                                                                            |
| LEVER             | CARBON STEEL WITH PVC SLEEVE                                                                                                                               |
| ENDS              | FLANGED TO ANSI B 16.5 RF (150#) & FF FOR C.I.                                                                                                             |
| HYD-TEST PRESSURE | BODY : 425 Psig (30 Kg/Cm <sup>2</sup> ) / FOR C.I. : 15 Kg/Cm <sup>2</sup><br>SEAT : 300 Psig (21 Kg/Cm <sup>2</sup> ) / FOR C.I. : 10 Kg/Cm <sup>2</sup> |

**SIZE RANGE**

**25 MM TO 150 MM**

ITEM NO. 144 B



### CAST STEEL-3-WAY PNEUMATIC DIAPHRAM OPERATED CONTROL VALVE BOLTED BONNET, FOR MIXING / DIVERTING

|                    |                                                                                                                                                              |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| BODY               | ASTM A 216 Gr WCB                                                                                                                                            |
| TRIMS              | 13 Cr / 18 Cr 8 Ni                                                                                                                                           |
| DIAPHRAGM          | RE-INFORCED RUBBER                                                                                                                                           |
| MFG STD            | GENERALLY CONFORMING TO IS 10189 (PART I)                                                                                                                    |
| INSP & TEST STD    | GENERALLY CONFORMING TO<br>IS 10189 (PART I) / ANSI B 16.104 / FCI 70-2                                                                                      |
| PRESSURE RATING    | 150# / 300# / PN 16                                                                                                                                          |
| ENDS               | FLANGED TO ANSI B 16.5 RF (150# / 300#)<br>FLANGED TO DIN 2543<br>FLANGED TO BS 10 TABLE "F"                                                                 |
| HYDR-TEST PRESSURE | BODY : 425 Psig (30 Kg/Cm <sup>2</sup> ) FOR 150# & TABLE "F"<br>BODY : 1100 Psig (79 Kg/Cm <sup>2</sup> ) FOR 300#<br>BODY : 32 Kg/Cm <sup>2</sup> FOR PN16 |

**SIZE RANGE**

**15 MM TO 300 MM**

ITEM NO. 145



### CAST STEEL-2-WAY PNEUMATIC DIAPHRAGM OPERATED CONTROL VALVE BOLTED BONNET, FOR OPEN/CLOSE OPERATION OR MODULATING

|                    |                                                                                                                                                              |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| BODY               | ASTM A 216 Gr WCB                                                                                                                                            |
| TRIMS              | 13 Cr / 18 Cr 8 Ni                                                                                                                                           |
| DIAPHRAGM          | RE-INFORCED RUBBER                                                                                                                                           |
| MFG STD            | GENERALLY CONFORMING TO IS 10189 (PART 1)                                                                                                                    |
| TESTED             | GENERALLY CONFORMING TO<br>IS 10189 (PART I) / ANSI B 16.104 / FCI 70-2                                                                                      |
| PRESSURE RATING    | 150# / 300# PN 16                                                                                                                                            |
| ENDS               | FLANGED TO ANSI B 16.5 RF (150# / 300#)<br>FLANGED TO DIN 2543<br>FLANGED TO BS 10 TABLE "F"                                                                 |
| HYDR-TEST PRESSURE | BODY : 425 Psig (30 Kg/Cm <sup>2</sup> ) FOR 150# / TABLE "F"<br>BODY : 1100 Psig (79 Kg/Cm <sup>2</sup> ) FOR 300#<br>BODY : 32 Kg/Cm <sup>2</sup> FOR PN16 |

**SIZE RANGE**

**15 MM TO 300 MM**

ITEM NO. 146





ITEM NO. 147



## CAST IRON-2-WAY PNEUMATIC DIAPHRAGM OPERATED CONTROL VALVE BOLTED BONNET, FOR OPEN/CLOSE OPERATION

|                    |                                                                                       |
|--------------------|---------------------------------------------------------------------------------------|
| BODY               | IS 210 Gr FG 200                                                                      |
| TRIMS              | 13 Cr / 18 Cr 8 Ni                                                                    |
| DIAPHRAGM          | RE-INFORCED RUBBER                                                                    |
| MFG STD            | GENERALLY CONFORMING TO IS 10189 (PART I)                                             |
| TESTING            | GENERALLY CONFORMING TO IS 10189 (PART I) ANSI B 16.104 / FCI 70-2                    |
| PRESSURE RATING    | 125# / PN 10                                                                          |
| ENDS               | FLANGED TO ANSI B 16.1 FF (125#)<br>FLANGED TO DIN 2532<br>FLANGED TO BS 10 TABLE "F" |
| HYDR-TEST PRESSURE | BODY : 213 Psig (15 Kg/Cm <sup>2</sup> )                                              |
| SIZE RANGE         | <b>25 MM TO 100 MM</b>                                                                |

ITEM NO. 148



## CAST STEEL-3-WAY MOTORISED CONTROL VALVE BOLTED BONNET

|                    |                                                                                                                                                              |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| BODY               | ASTM A 216 Gr WCB                                                                                                                                            |
| TRIMS              | 13 Cr / 18 Cr 8 Ni                                                                                                                                           |
| MFG STD            | GENERALLY CONFORMING TO IS 10189 (PART I)                                                                                                                    |
| TESTING            | GENERALLY CONFORMING TO IS 10189 (PART I) / ANSI B 16.104 / FCI 70-2                                                                                         |
| PRESSURE RATING    | 150# / 300# / PN 16                                                                                                                                          |
| ENDS               | FLANGED TO ANSI B 16.5 RF (150# / 300#)<br>FLANGED TO DIN 2543<br>FLANGED TO BS 10 TABLE "F"                                                                 |
| HYDR-TEST PRESSURE | BODY : 425 Psig (30 Kg/Cm <sup>2</sup> ) FOR 150# / TABLE "F"<br>BODY : 1100 Psig (79 Kg/Cm <sup>2</sup> ) FOR 300#<br>BODY : 32 Kg/Cm <sup>2</sup> FOR PN16 |
| SIZE RANGE         | <b>15 MM TO 300 MM</b>                                                                                                                                       |

ITEM NO. 149



## CAST STEEL-2-WAY MOTORISED CONTROL VALVE BOLTED BONNET

|                    |                                                                                                                                                              |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| BODY               | ASTM A 216 Gr WCB                                                                                                                                            |
| TRIMS              | 13 Cr / 18 Cr 8 Ni                                                                                                                                           |
| MFG STD            | IS 10189 (PART I)                                                                                                                                            |
| TESTING            | IS 10189 (PART I) ANSI B 16.104 / FCI 70-2                                                                                                                   |
| PRESSURE RATING    | 150# / 300# / PN 16                                                                                                                                          |
| ENDS               | FLANGED TO ANSI B 16.5 RF (150# / 300#)<br>FLANGED TO DIN 2543<br>FLANGED TO BS 10 TABLE "F"                                                                 |
| HYDR-TEST PRESSURE | BODY : 425 Psig (30 Kg/Cm <sup>2</sup> ) FOR 150# / TABLE "F"<br>BODY : 1100 Psig (79 Kg/Cm <sup>2</sup> ) FOR 300#<br>BODY : 32 Kg/Cm <sup>2</sup> FOR PN16 |
| SIZE RANGE         | <b>15 MM TO 300 MM</b>                                                                                                                                       |

# AIR VALVES

shiva

## CAST IRON SINGLE AIR VALVE (H-4)

|                    |                                          |
|--------------------|------------------------------------------|
| BODY               | IS 210 Gr FG 200                         |
| BALL               | NEOPRENE COATED TIMBER                   |
| MFG STD            | MARCK / 016                              |
| TESTING            | MARCK / 016                              |
| MAX C.W.P.         | 100 Psig (7 Kg/Cm <sup>2</sup> )         |
| ENDS               | SCREWED TO BSP                           |
| HYDR-TEST PRESSURE | BODY : 225 Psig (16 Kg/Cm <sup>2</sup> ) |
| <b>SIZE RANGE</b>  | <b>15 MM TO 100 MM</b>                   |

ITEM NO. 150



## CAST IRON DOUBLE AIR VALVE (H-7)

|                    |                                          |
|--------------------|------------------------------------------|
| BODY               | IS 210 Gr FG 200                         |
| BALL               | NEOPRENE COATED TIMBER                   |
| MFG STD            | MARCK / 016                              |
| TESTING            | MARCK / 016                              |
| MAX C.W.P.         | 100 Psig (7 Kg/Cm <sup>2</sup> )         |
| ENDS               | FLANGED TO BS 10 TABLE "D"               |
|                    | FLANGED TO ANSI B 16.1 FF (125#)         |
|                    | FLANGED TO IS 1538                       |
| HYDR-TEST PRESSURE | BODY : 225 Psig (16 Kg/Cm <sup>2</sup> ) |
| <b>SIZE RANGE</b>  | <b>25 MM TO 300 MM</b>                   |

ITEM NO. 151



## CAST IRON DOUBLE AIR VALVE (H-40)

|                    |                                            |
|--------------------|--------------------------------------------|
| BODY               | IS 210 Gr FG 200                           |
| TRIMS              | AISI 410                                   |
| BALL               | NEOPRENE COATED TIMBER                     |
| MFG STD            | MARCK / 016                                |
| TESTING            | MARCK / 016                                |
| MAX C.W.P.         | 100 Psig (7 Kg/Cm <sup>2</sup> )           |
| ENDS               | FLANGED TO BS 10 TABLE "D"                 |
|                    | FLANGED TO ANSI B 16.1 FF (125#)           |
|                    | FLANGED TO IS 1538                         |
| HYDR-TEST PRESSURE | BODY : 225 Psig (16 Kg/Cm <sup>2</sup> )   |
|                    | SEAT : 165 Psig (11.5 Kg/Cm <sup>2</sup> ) |
| <b>SIZE RANGE</b>  | <b>25 MM TO 250 MM</b>                     |

ITEM NO. 152



## CAST IRON DOUBLE AIR VALVE (H-7K)

|                    |                                          |
|--------------------|------------------------------------------|
| BODY               | IS 210 Gr FG 200                         |
| BALL               | NEOPRENE COATED TIMBER                   |
| MFG STD            | MARCK / 016                              |
| TESTING            | MARCK / 016                              |
| MAX C.W.P.         | 100 Psig (7 Kg/Cm <sup>2</sup> )         |
| ENDS               | FLANGED TO BS 10 TABLE "D"               |
|                    | FLANGED TO ANSI B 16.1 FF (125#)         |
|                    | FLANGED TO IS 1538                       |
| HYDR-TEST PRESSURE | BODY : 225 Psig (16 Kg/Cm <sup>2</sup> ) |
| <b>SIZE RANGE</b>  | <b>25 MM TO 200 MM</b>                   |

ITEM NO. 153





# AIR VALVES

shiva

ITEM NO. 154



## CAST IRON KINETIC DOUBLE AIR VALVE (H-42K)

BODY  
TRIMS  
BALL  
MFG STD  
TESTING  
MAX C.W.P.  
ENDS

IS 210 Gr FG 200  
STAINLESS STEEL / GUN METAL  
NEOPRENE COATED TIMBER  
MARCK / 016  
MARCK / 016  
100 Psig (7 Kg/Cm<sup>2</sup>)  
FLANGED TO BS 10 TABLE "D"  
FLANGED TO ANSI B 16.1 FF (125#)  
FLANGED TO IS 1538  
BODY : 225 Psig (16 Kg/Cm<sup>2</sup>)

HYDR-TEST PRESSURE  
**SIZE RANGE**

**40 MM to 200 MM**

ITEM NO. 154 A



## TAMPER PROOF AIR VALVE

BODY / COVER / COWL  
SMALL ORIFICE NIPPLE  
SMALL ORIFICE BALL

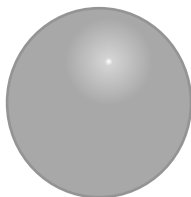
SEAT RING  
MFG STD  
MAX C.W.P.  
ENDS  
HYDR-TEST PRESSURE

CAST IRON, DUCTILE IRON, CAST IRON  
BRONZE (STANDARD) / STAINLESS STEEL  
STAINLESS STEEL (STANDARD) /  
RUBBER LINED SEASONED TIMBER  
NITRILE / EPDM  
IS 14845 / MARCK 016  
PN 10 / PN 1.6  
FLANGED END TO IS 1538 / ANSI B 16.5  
BODY : 225 PSIG (15 KG/CM<sup>2</sup>)  
BODY : 165 PSIG (11.5 KG/CM<sup>2</sup>)

**SIZE RANGE**

**50 MM TO 200 MM**

ITEM NO. 155



## SPARE RUBBER BALL FOR AIR VALVES

**SIZE RANGE**

**40 MM to 250 MM**

# PINCH VALVES

shiva

## ALUMINIUM - CLOSE DESIGN PINCH VALVE BOLTED BONNET

|                    |                                            |
|--------------------|--------------------------------------------|
| BODY               | ALUMINUM                                   |
| TRIMS              | CARBON STEEL                               |
| SLEEVE             | NEOPRENE                                   |
| MFG STD            | MARCK / 017                                |
| TESTING            | MARCK / 017                                |
| MAX C.W.P.         | 142 Psig (10 Kg/Cm <sup>2</sup> )          |
| ENDS               | FLANGED TO BS 10 TABLE "E"                 |
|                    | FLANGED TO BS 10 TABLE "F"                 |
| HYDR-TEST PRESSURE | BODY : 225 Psig (16 Kg/Cm <sup>2</sup> )   |
|                    | SEAT : 165 Psig (11.5 Kg/Cm <sup>2</sup> ) |
| <b>SIZE RANGE</b>  | <b>25 MM TO 150 MM</b>                     |

ITEM NO. 156



## CAST IRON - CLOSE DESIGN PINCH VALVE BOLTED BONNET

|                    |                                            |
|--------------------|--------------------------------------------|
| BODY               | IS 210 Gr FG 200                           |
| TRIMS              | CARBON STEEL                               |
| SLEEVE             | NEOPRENE                                   |
| MFG STD            | MARCK / 017                                |
| TESTING            | MARCK / 017                                |
| MAX C.W.P.         | 142 Psig (10 Kg/Cm <sup>2</sup> )          |
| ENDS               | FLANGED TO BS 10 TABLE "E"                 |
|                    | FLANGED TO DIN 2532                        |
|                    | FLANGED TO ANSI B 16.1 FF (125#)           |
| HYDR-TEST PRESSURE | BODY : 225 Psig (16 Kg/Cm <sup>2</sup> )   |
|                    | SEAT : 165 Psig (11.5 Kg/Cm <sup>2</sup> ) |
| <b>SIZE RANGE</b>  | <b>25 MM TO 150 MM</b>                     |

ITEM NO. 157



## CAST IRON - OPEN DESIGN PINCH VALVE BOLTED BONNET

|                    |                                            |
|--------------------|--------------------------------------------|
| BODY               | IS 210 Gr FG 200                           |
| TRIMS              | CARBON STEEL                               |
| SLEEVE             | NEOPRENE                                   |
| MFG STD            | MARCK / 017                                |
| TESTING            | MARCK / 017                                |
| MAX C.W.P.         | 142 Psig (10 Kg/Cm <sup>2</sup> )          |
| ENDS               | FLANGED TO BS 10 TABLE "E"                 |
|                    | FLANGED TO BS 10 TABLE "F"                 |
|                    | FLANGED TO DIN 2532                        |
|                    | FLANGED TO ANSI B 16.1 FF (125#)           |
| HYDR-TEST PRESSURE | BODY : 225 Psig (16 Kg/Cm <sup>2</sup> )   |
|                    | SEAT : 165 Psig (11.5 Kg/Cm <sup>2</sup> ) |
| <b>SIZE RANGE</b>  | <b>25 MM TO 150 MM</b>                     |

ITEM NO. 158



## SPARE NEOPRENE RUBBER SLEEVES FOR OPEN DESIGN PINCH VALVE

|                   |                        |
|-------------------|------------------------|
| <b>SIZE RANGE</b> | <b>25 MM TO 150 MM</b> |
|-------------------|------------------------|

ITEM NO. 159



ITEM NO. 161



## CAST IRON COMPACT DESIGN PULP VALVE DOUBLE GLAND

BODY  
TRIMS  
WEDGE  
MFG STD  
INSP & TEST STD  
MAX. C.W.P.  
ENDS

IS 210 Gr FG 200  
AISI 304  
SS 304 PLATE  
GENERALLY CONFORMING TO MSS SP 81  
GENERALLY CONFORMING TO MSS SP 81  
100 Psig (7 Kg/Cm<sup>2</sup>)  
WAFER TYPE SUITABLE FOR  
BS 10 TABLE "D" / ANSI B 16.1 (125#)

**SIZE RANGE**

**40 MM TO 500 MM**

ITEM NO. 161 A



## S/STEEL COMPACT DESIGN PULP VALVE DOUBLE GLAND

BODY  
TRIMS  
WEDGE  
MFG STD  
INSP & TEST STD  
MAX. C.W.P.  
ENDS

ASTM A 351 Gr CF8 / CF8M  
AISI 304 / AISI 316  
SS 304 / SS 316 PLATE  
GENERALLY CONFORMING TO MSS SP 81  
GENERALLY CONFORMING TO MSS SP 81  
100 Psig (7 Kg/Cm<sup>2</sup>)  
WAFER TYPE SUITABLE FOR  
BS 10 TABLE "D" / ANSI B 16.1 (125#)

**SIZE RANGE**

**50 MM TO 400 MM**

ITEM NO. 162



## CAST IRON SELF LUBRICATING PLUG VALVE-ASA 125 CLASS

BODY  
PLUG  
MFG STD  
INSP & TEST STD  
MAX C.W.P.  
ENDS

IS 210 Gr FG 200  
IS 210 Gr FG 200  
GENERALLY CONFORMING TO MSS SP 78/BS 5158  
GENERALLY CONFORMING TO MSS SP 78/BS 6755  
150 Psig (10.54 Kg/Cm<sup>2</sup>)  
SCREWED TO BSP  
FLANGED TO BS 10 TABLE "F"  
FLANGED TO ANSI B 16.1 FF (125#)  
FLANGED TO DIN 2532

HYDR-TEST PRESSURE

BODY : 225 Psig (16 Kg/Cm<sup>2</sup>)  
SEAT : 165 Psig (11.5 Kg/Cm<sup>2</sup>)

**SIZE RANGE**

**15 MM TO 80 MM SCREWED END  
15 MM TO 350 MM FLANGED END**

## CAST STEEL SELF LUBRICATING PLUG VALVE-ASA 150 CLASS

|                    |                                                                                        |
|--------------------|----------------------------------------------------------------------------------------|
| BODY               | ASTM A 216 Gr WCB                                                                      |
| PLUG               | ASTM A 216 Gr WCB                                                                      |
| MFG STD            | GENERALLY CONFORMING TO MSS SP 78/BS 5158                                              |
| INSP & TEST STD    | GENERALLY CONFORMING TO MSS SP 78/BS 6755                                              |
| MAX C.W.P.         | 150 Psig (10.54 Kg/Cm <sup>2</sup> )                                                   |
| ENDS               | FLANGED TO ANSI B 16.5 RF (150#)                                                       |
| HYDR-TEST PRESSURE | BODY : 225 Psig (16 Kg/Cm <sup>2</sup> )<br>SEAT : 165 Psig (11.5 Kg/Cm <sup>2</sup> ) |
| <b>SIZE RANGE</b>  | <b>15 MM TO 350 MM FLANGED END</b>                                                     |

ITEM NO. 162 A



## CAST STEEL / CAST IRON CAGE TYPE GLANDLESS PISTON VALVE BOLTED BONNET, RISING STEM

|                    |                                                                                      |
|--------------------|--------------------------------------------------------------------------------------|
| BODY               | ASTM A 216 Gr WCB / IS 210 Gr FG 200                                                 |
| TRIMS              | 13 Cr                                                                                |
| PISTON RING        | CAF 40                                                                               |
| MFG STD            | MARCK / 018                                                                          |
| INSP & TEST STD    | MARCK / 018                                                                          |
| MAX. C.W.P.        | 175 Psig (12.3 Kg/Cm <sup>2</sup> )                                                  |
| ENDS               | FLANGED TO DIN 2533 (PN 16)                                                          |
| HYDR-TEST PRESSURE | BODY : 341 Psig (24 Kg/Cm <sup>2</sup> )<br>SEAT : 225 Psig (16 Kg/Cm <sup>2</sup> ) |
| <b>SIZE RANGE</b>  | <b>15 MM TO 200 MM</b>                                                               |

ITEM NO. 163



## CAST STEEL / CAST IRON CAGE TYPE GLANDLESS PISTON VALVE BOLTED BONNET, RISING STEM IBR

|                    |                                                                                      |
|--------------------|--------------------------------------------------------------------------------------|
| BODY               | ASTM A 216 Gr WCB                                                                    |
| TRIMS              | 13 Cr                                                                                |
| PISTON RING        | CAF 40                                                                               |
| MFG STD            | MARCK / 018                                                                          |
| INSP & TEST STD    | MARCK / 018                                                                          |
| MAX. C.W.P.        | 175 Psig (12.3 Kg/Cm <sup>2</sup> )                                                  |
| ENDS               | FLANGED TO DIN 2533 (PN 16)                                                          |
| HYDR-TEST PRESSURE | BODY : 341 Psig (24 Kg/Cm <sup>2</sup> )<br>SEAT : 225 Psig (16 Kg/Cm <sup>2</sup> ) |
| <b>SIZE RANGE</b>  | <b>15 MM TO 200 MM</b>                                                               |

ITEM NO. 163 A





ITEM NO. 164



## CAST IRON WRENCH OPERATED RELIEF VALVE RIGHT ANGLE TYPE

BODY  
TRIMS  
SPRING  
MFG STD  
INSP & TEST STD  
MAX SET PRESSURE  
INDICATOR  
ENDS  
HYDR-TEST PRESSURE  
**SIZE RANGE**

IS 210 Gr FG 200  
GUN METAL  
SPRING STEEL  
MARCK / 013  
MARCK / 013  
150 Psig AT 176.70 °C  
GUN METAL / CARBON STEEL  
FLANGED TO BS 10 TABLE "D" / "E"  
BODY : 225 Psig (16 Kg/Cm<sup>2</sup>)  
**25 MM TO 300 MM**

ITEM NO. 165



## CAST IRON WHEEL OPERATED RELIEF VALVE RIGHT ANGLE TYPE

BODY  
TRIMS  
SPRING  
MFG STD  
INSP & TEST STD  
MAX SET PRESSURE  
INDICATOR  
ENDS  
HYDR-TEST PRESSURE  
**SIZE RANGE**

IS 210 Gr FG 200  
GUN METAL  
SPRING STEEL  
MARCK / 013  
MARCK / 013  
150 Psig AT 176.70 °C  
GUN METAL / CARBON STEEL  
FLANGED TO BS 10 TABLE "D" / "E"  
BODY : 225 Psig (16 Kg/Cm<sup>2</sup>)  
**25 MM TO 300 MM**

ITEM NO. 166



## CAST IRON / CAST STEEL METALLIC FOOT VALVE

BODY  
TRIMS  
SCREEN  
MFG STD  
INSP & TEST STD  
ENDS  
HYDR-TEST PRESSURE  
**SIZE RANGE**

IS 210 Gr FG 200  
GUN METAL  
GREY CAST IRON / GALVANIZED STEEL  
IS 4038  
IS 4038  
FLANGED TO BS 10 TABLE "D" / ASA 150#  
BODY : 0.6 MPA  
SEAT : 0.2 MPA  
**40 MM TO 600 MM**

## CAST IRON SLUICE VALVE BOLTED BONNET NON RISING SPINDLE

|                    |                                                 |          |        |        |
|--------------------|-------------------------------------------------|----------|--------|--------|
| BODY / BONNET      | IS 210 Gr FG 200                                |          |        |        |
| TRIMS              | GUN METAL                                       |          |        |        |
| MFG STD            | 50 MM TO 300 MM - IS 780 PN 1.0 / 1.6           |          |        |        |
|                    | 300MM - IS 2906 RATING PN 0.4 / 0.6 / 1.0 / 1.6 |          |        |        |
| INSP & TEST STD    | 50 MM TO 300 MM - IS 780 RATING PN 1.0 / 1.6    |          |        |        |
|                    | 300MM - IS 2906 PN 0.4 / 0.6 / 1.0 / 1.6        |          |        |        |
| ENDS               | FLANGED TO IS 1538 / ANSI B 16.1 (125#)         |          |        |        |
| HYDR-TEST PRESSURE | RATING                                          | : PN 0.4 | PN 0.6 | PN 1.0 |
|                    | BODY                                            | : 0.6Mpa | 0.9Mpa | 1.5Mpa |
|                    | SEAT                                            | : 0.4Mpa | 0.6Mpa | 1.0Mpa |
|                    |                                                 |          |        | 1.6Mpa |
| <b>SIZE RANGE</b>  | <b>50 MM TO 1800 MM</b>                         |          |        |        |

ITEM NO. 167



## CAST IRON SLUICE VALVE BOLTED BONNET NON RISING SPINDLE WITH ISI MARK

|                    |                        |          |        |        |
|--------------------|------------------------|----------|--------|--------|
| BODY / BONNET      | IS 210 Gr FG 200       |          |        |        |
| TRIMS              | SS 410 / GUN METAL     |          |        |        |
| MFG STD            | IS 14846               |          |        |        |
| INSP & TEST STD    | IS 14846               |          |        |        |
| ENDS               | FLANGED TO IS 1538     |          |        |        |
| HYDR-TEST PRESSURE | RATING                 | : PN 0.4 | PN 0.6 | PN 1.0 |
|                    | BODY                   | : 0.6Mpa | 0.9Mpa | 1.5Mpa |
|                    | SEAT                   | : 0.4Mpa | 0.6Mpa | 1.0Mpa |
| <b>SIZE RANGE</b>  | <b>50 MM TO 600 MM</b> |          |        |        |

ITEM NO. 167 A



## CAST IRON REFLUX VALVE BOLTED COVER WITH ISI MARK

|                    |                         |           |         |         |
|--------------------|-------------------------|-----------|---------|---------|
| BODY / COVER       | IS 210 Gr FG 200        |           |         |         |
| TRIMS              | GUN METAL               |           |         |         |
| MFG STD            | IS 5312 PART I          |           |         |         |
| INSP & TEST STD    | IS 5312 PART I          |           |         |         |
| ENDS               | FLANGED TO IS 1538      |           |         |         |
| HYDR-TEST PRESSURE | RATING:                 | PN 0.6    | PN 1.0  | PN 1.6  |
|                    | BODY                    | : 0.9 Mpa | 1.5 Mpa | 2.4 Mpa |
|                    | SEAT                    | : 0.6 Mpa | 1.0 Mpa | 1.6 Mpa |
| <b>SIZE RANGE</b>  | <b>50 MM TO 1000 MM</b> |           |         |         |

ITEM NO. 168





# DIAPHRAGM VALVES

shiva

ITEM NO. 169



## CAST IRON LINED DIAPHRAGM VALVE RUBBER / GLASS / SAUNDER A TYPE

|                    |                                          |
|--------------------|------------------------------------------|
| BODY               | IS 210 Gr FG 200                         |
| LINING             | EBONITE RUBBER                           |
| DIAPHRAGM          | NEOPRENE RUBBER                          |
| MFG STD            | BS 5156                                  |
| INSP & TEST STD    | BS 6755                                  |
| ENDS               | FLANGED TO DIN 2532                      |
|                    | FLANGED TO BS 10 TABLE "D"               |
| HYDR-TEST PRESSURE | BODY : 213 Psig (15 Kg/Cm <sup>2</sup> ) |
|                    | SEAT : 142 Psig (10 Kg/Cm <sup>2</sup> ) |
| SIZE RANGE         | 15 MM TO 200 MM                          |

ITEM NO. 169 A



## S/STEEL INVESTMENT CASTING DIAPHRAGM VALVE

|            |                          |
|------------|--------------------------|
| BODY       | ASTM A 351 Gr CF8 / CF8M |
| BONNET     | IS 210 Gr FG 200         |
| DIAPHRAGM  | NEOPRENE RUBBER / PTFE   |
| ENDS       | S/E & T/C                |
| SIZE RANGE | 15 MM TO 50 MM           |

ITEM NO. 169 B



## CAST IRON RUBBER LINED DIAPHRAGM VALVE / SAUNDER A TYPE

|                    |                                          |
|--------------------|------------------------------------------|
| BODY               | IS 210 Gr FG 200                         |
| LINING             | EBONITE RUBBER                           |
| DIAPHRAGM          | NEOPRENE RUBBER                          |
| MFG STD            | BS 5156                                  |
| INSP & TEST STD    | BS 6755                                  |
| ENDS               | FLANGED TO DIN 2532                      |
|                    | FLANGED TO BS 10 TABLE "D"               |
|                    | SCREWED BSP                              |
| HYDR-TEST PRESSURE | BODY : 213 Psig (15 Kg/Cm <sup>2</sup> ) |
|                    | SEAT : 142 Psig (10 Kg/Cm <sup>2</sup> ) |
| SIZE RANGE         | 20 MM TO 200 MM                          |

# TUBE GLASS / ROTARY JOINTS

shiva

## CARBON STEEL (MS) TUBE GLASS

|                   |                                   |
|-------------------|-----------------------------------|
| FLANGES           | CARBON STEEL                      |
| GLASS             | TOUGHENED BOROSIL                 |
| SEAT              | PTFE                              |
| MFG STD           | MARCK / 019                       |
| TESTED            | 100 Psig (7 Kg/Cm <sup>2</sup> )  |
| ENDS              | FLANGED TO BS 10 TABLE "F"        |
|                   | FLANGED TO ANSI B 16.5 RF (150 #) |
| <b>SIZE RANGE</b> | <b>15 MM TO 150 MM</b>            |

ITEM NO. 170



## SS 304 TUBE GLASS

|                   |                                  |
|-------------------|----------------------------------|
| FLANGES           | SS 304                           |
| GLASS             | TOUGHENED BOROSIL                |
| SEAT              | PTFE                             |
| MFG STD           | MARCK / 019                      |
| TESTED            | 100 Psig (7 Kg/Cm <sup>2</sup> ) |
| ENDS              | FLANGED TO BS 10 TABLE "F"       |
|                   | FLANGED TO ANSI B 16.5 RF (150#) |
| <b>SIZE RANGE</b> | <b>15 MM TO 150 MM</b>           |

ITEM NO. 171



## SS 316 TUBE GLASS

|                   |                                  |
|-------------------|----------------------------------|
| FLANGES           | SS 316                           |
| GLASS             | TOUGHENED BOROSIL                |
| SEAT              | PTFE                             |
| MFG STD           | MARCK / 019                      |
| TESTED            | 100 Psig (7 Kg/Cm <sup>2</sup> ) |
| ENDS              | FLANGED TO BS 10 TABLE "F"       |
|                   | FLANGED TO ANSI B 16.5 RF (150#) |
| <b>SIZE RANGE</b> | <b>15 MM TO 150 MM</b>           |

ITEM NO. 172



## SS INVESTMENT CASTING TUBE GLASS

|                   |                                  |
|-------------------|----------------------------------|
| FLANGES           | ASTM A 351 Gr CF8 / CF8M         |
| GLASS             | TOUGHENED BOROSIL                |
| SEAT              | PTFE                             |
| MFG STD           | MARCK / 019                      |
| TESTED            | 100 Psig (7 Kg/Cm <sup>2</sup> ) |
| ENDS              | FLANGED TO BS 10 TABLE "F"       |
|                   | FLANGED TO ANSI B 16.5 RF (150#) |
| <b>SIZE RANGE</b> | <b>15 MM TO 150 MM</b>           |

ITEM NO. 173



## CAST IRON STEAM ROTARY JOINT WITH INLET AND OUTLET CONNECTION

|                   |                        |
|-------------------|------------------------|
| BODY              | IS 210 Gr FG 200       |
| TRIMS             | 13 Cr                  |
| RINGS             | GRAPHITE               |
| ENDS              | SCREWED TO BSP         |
| <b>SIZE RANGE</b> | <b>15 MM to 100 MM</b> |

ITEM NO. 174





# IBR APPROVED FLANGES

shiva

ITEM NO. 175



## CARBON STEEL (MS) TABLE "H" / ND-40 SLIP-ON / BLIND

MOC  
MFG STD

PRESS-TEMP RATING  
SIZE RANGE

IS 2002 - PLATE  
BS 10 TABLE "H"  
DIN 2545  
BS 10/DIN 2401 (PART I)  
**15 MM TO 2000 MM**

ITEM NO. 176 & 177



## CARBON STEEL (MS) 150 CLASS / 300 CLASS SLIP-ON / BLIND

MOC  
MFG STD  
PRESS-TEMP RATING  
SIZE RANGE

IS 2002 - PLATE  
ANSI B 16.5 (150#) & ANSI B 16.5 (300#)  
ANSI B 16.5 / BS 1560  
**15 MM TO 2000 MM**

ITEM NO. 178



## CARBON STEEL (MS) TABLE "K" & "J" SLIP-ON/BLIND

MOC  
MFG STD  
PRESS-TEMP RATING  
SIZE RANGE

IS 2002 - PLATE  
BS 10 TABLE "K" / "J"  
BS 10  
**15 MM TO 2000 MM**

ITEM NO. 179



## FORGED CARBON STEEL ASA 150 CLASS SORF / BLIND / WNR

MOC  
MFG STD  
PRESS-TEMP RATING  
SIZE RANGE

ASTM A 105  
ANSI B 16.5 (150#)  
ANSI B 16.5 / BS 1560  
**15 MM to 300 MM**  
ABOVE 350MM ON REQUEST

ITEM NO. 180



## FORGED CARBON STEEL ASA 300 CLASS SORF / BLIND / WNR

MOC  
MFG STD  
PRESS-TEMP RATING  
SIZE RANGE

ASTM A 105  
ANSI B 16.5 (300#)  
ANSI B 16.5 / BS 1560  
**15 MM TO 300 MM**  
ABOVE 300 MM ON REQUEST

## CARBON STEEL (MS) SEAMLESS EXPANSION BEND / LOOP (SCH-40)

MOC  
ENDS

FABRICATED CS - SA 106 Gr B  
FLANGED TO BS 10 TABLE "H"  
FLANGED TO ANSI B 16.5 (150#)  
**25 MM TO 200 MM**

**SIZE RANGE**

ITEM NO. 181



## CARBON STEEL (MS) SEAMLESS BEND - LONG RADIUS - 90°

MOC  
ENDS

FABRICATED CS - SA 106 Gr B  
BUTT - WELDABLE  
**15 MM TO 300 MM**

**SIZE RANGE**

ITEM NO. 182



## CARBON STEEL (MS) ELBOW - LONG RADIUS - 90°

MOC  
ENDS  
**SIZE RANGE**

FABRICATED CS - SA 106 Gr B  
BUTT - WELDABLE  
**15 MM TO 300 MM**  
SIZE 350MM TO ABOVE ON REQUEST

ITEM NO. 183



## CARBON STEEL (MS) CONCENTRIC REDUCER (SCH-40)

MOC  
ENDS  
**SIZE RANGE**

CARBON STEEL (M.S.)  
BUTT-WELDABLE  
**20 MM X 15 MM TO 200 MM X 150 MM**

ITEM NO. 184





ITEM NO. 185



### SS FLUSH BOTTOM TANK VALVE FLANGED END OUTSIDE YOKE & SPINDLE TYPE

|                   |                                                    |
|-------------------|----------------------------------------------------|
| BODY              | ASTM A 351 Gr CF8 / CF8M / CF3M                    |
| TRIMS             | 18 Cr 8 Ni / 18 Cr 10 Ni 2 MO / CF 3M OR AISI 316L |
| MFG STD           | MARCK / 020                                        |
| TESTING           | MARCK / 020                                        |
| ENDS              | FLANGED TO BS 10 TABLE "F"                         |
|                   | FLANGED TO ANSI B 16.5 RF (150#)                   |
| HYD-TEST PRESSURE | BODY : 425 Psig (30 Kg/Cm <sup>2</sup> )           |
|                   | SEAT : 300 Psig (21 Kg/Cm <sup>2</sup> )           |
| <b>SIZE RANGE</b> | <b>25 MM TO 100 MM</b>                             |

ITEM NO. 186



### SS FLUSH BOTTOM BALL VALVE FLANGED END

|                     |                                         |
|---------------------|-----------------------------------------|
| BODY                | ASTM A 351 Gr CF8 / CF8M                |
| BALL                | ASTM A 351 Gr CF8 / CF8M                |
| STEM                | AISI 304 / AISI 316                     |
| SEAT & SEALS        | PTFE                                    |
| BLOW OUT PROOF STEM | FLOATING BALL FULL BORE                 |
| MFG STD             | GENERALLY CONFORMING TO BS 5351         |
| TESTING             | GENERALLY CONFORMING TO BS 6755         |
| PRESS. TEMP RATING  | CONFORM TO TABLE 3 OF BS 5351           |
| LEVER               | AISI 304 WITH PVC SLEEVE                |
| ENDS                | FLANGED TO ASA 150#                     |
| <b>SIZE RANGE</b>   | <b>50 MM x 50 MM TO 100 MM x 100 MM</b> |

ITEM NO. 187



### SS 304 / SS 316 NEEDLE VALVE SCREWED BONNET SCREWED END

|                    |                                           |
|--------------------|-------------------------------------------|
| MOC                | AISI 304 / AISI 316                       |
| TRIMS              | AISI 304 / AISI 316                       |
| MFG STD            | MARCK / 022                               |
| TESTING            | MARCK / 022                               |
| HAND WHEEL         | BAKELITE                                  |
| ENDS               | SCREWED TO BSP / BSPT / NPT               |
|                    | SOCKETWELD TO ANSI B 16.11                |
| HYDR-TEST PRESSURE | BODY : 1100 Psig (77 Kg/Cm <sup>2</sup> ) |
|                    | SEAT : 800 Psig (56 Kg/Cm <sup>2</sup> )  |
| <b>SIZE RANGE</b>  | <b>8 MM TO 50 MM</b>                      |

# POLYPROPYLENE VALVES

shiva

## DIAPHRAGM VALVE

BODY  
DIAPHRAGM  
TRIMS  
ENDS  
**SIZE RANGE**

POLYPROPYLENE  
NEOPRENE RUBBER  
CARBON STEEL  
FLANGED TO BS 10 TABLE 'D'  
**15 MM TO 150MM**

ITEM NO. 190



## NON RETURN VALVE

BODY  
BALL  
STOP RING  
SEAT  
ENDS  
**SIZE RANGE**

ACTACTIC POLYPROPYLENE COPOLYMER  
POLYPROPYLENE  
ACTACTIC POLYPROPYLENE  
PTFE  
SCREWED TO BSP  
FLANGED TO BS 10 TABLE 'D'  
**25 MM to 300 MM**

ITEM NO. 191



## FOOT VALVE

BODY  
BALL  
STOP RING  
SEAT  
SCREEN  
ENDS  
**SIZE RANGE**

ACTACTIC POLYPROPYLENE COPOLYMER  
POLYPROPYLENE RE-INTORCED  
ACTACTIC POLYPROPYLENE  
PTFE  
ACTACTIC POLYPROPYLENE  
SCREWED TO BSP  
FLANGED TO BS 10 TABLE 'D'  
**25 MM to 300 MM**

ITEM NO. 192



## SIGHT GLASS

FLANGES  
GLASS  
SEAT  
ENDS  
**SIZE RANGE**

ACTACTIC POLYPROPYLENE COPOLYMER  
TOUGHENED BOROSIL GLASS  
PTFE  
FLANGED TO BS 10 TABLE "E" / "F"  
FLANGED TO ANSI B 16.5 RF (150#)  
**15 MM to 300 MM**

ITEM NO. 193





ITEM NO. 194



## G.M. GATE VALVE AS PER IS / 778, CL-I

ENDS  
WITH OR WITHOUT ISI MARK  
**SIZE RANGE**

SCREWED  
**15 MM TO 100 MM**

ITEM NO. 195



## G.M. GLOBE VALVE AS PER IS / 778, CL-I

ENDS  
WITH OR WITHOUT ISI MARK  
**SIZE RANGE**

SCREWED  
**15 MM TO 100 MM**

ITEM NO. 196



## G.M. HORIZONTAL NON RETURN VALVE AS PER IS / 778, CL-I

ENDS  
WITH OR WITHOUT ISI MARK  
**SIZE RANGE**

SCREWED  
**15 MM TO 100 MM**

ITEM NO. 197



## G.M. STEAM STOP VALVE

WITH S.S. WORKING PARTS SUITABLE TO 250psig Working Press.  
ENDS  
**SIZE RANGE**

SCREWED  
**15 MM TO 80 MM**

## G.M. SPRING SAFETY VALVE OD (OPEN DISCHARGE)

TESTED 0 TO 150 LBS  
ENDS SCREWED  
SIZE RANGE 15 MM TO 80 MM

ITEM NO. 197 A



## G.M. STEAM STOP VALVE

WITH S.S. WORKING PARTS SUITABLE TO 250psig Working Press.  
ENDS FLANGED TABLE 'H'  
SIZE RANGE 15 MM TO 80 MM

ITEM NO. 198



## G.M. SPRING SAFETY VALVE TOTALLY ENCLOSED ANGLE TYPE SCREWED HEAVY QUALITY

TESTED 0 TO 150 LBS  
ENDS SCREWED  
SIZE RANGE 15 MM TO 80 MM

ITEM NO. 198 A



## G.M. NON RETURN VALVE SCREWED END COVER

WITH S.S. WORKING PARTS SUITABLE TO 250psig Working Press.  
ENDS SCREWED  
SIZE RANGE 15 MM TO 80 MM

ITEM NO. 199





ITEM NO. 200



**G.M. NON RETURN VALVE FLANGED END WITH SCREWED COVER AS PER TABLE "H" WITH S.S. WORKING PARTS**

ENDS  
SIZE RANGE

FLANGED  
15 MM TO 80 MM

ITEM NO. 201



**G.M. "Y" TYPE STRAINER**

ENDS  
SIZE RANGE

SCREWED  
15 MM TO 80 MM

ITEM NO. 202



**G.M. "Y" TYPE STRAINER FLANGED END WITH SCREWED COVER AS PER TABLE "E"**

ENDS  
SIZE RANGE

FLANGED  
15 MM TO 100 MM

ITEM NO. 203



**BRASS BALL VALVE (MADE IN ITALY) / (ECO SERIES)  
BRASS BALL VALVE SINGLE PIECE SCREWED END**

SIZE RANGE

8 MM TO 100 MM

ITEM NO. 203 A

**CANCELLED**

# HIGH PRESSURE BALL VALVES

shiva

## 150# THREE PIECE DESIGN F/E FULL BORE BALL VALVE WCB / SS 304 / SS 316

|                      |                                              |
|----------------------|----------------------------------------------|
| BODY                 | ASTM A 216 Gr WCB / ASTM A 351 Gr CF8 / CF8M |
| BALL                 | ASTM A 351 Gr CF8                            |
|                      | ASTM A 351 Gr CF8M                           |
| MFG STD              | API 6D                                       |
| FACE TO FACE         | API 6D                                       |
| ENDS                 | FLANGED END TO ASME B 16.5 RF (150#)         |
| HYD-TEST PRESSURE    | BODY : 450 Psig                              |
|                      | SEAT : 315 Psig                              |
| PNEUMATIC PRESSURE   | SEAT : 80 Psig                               |
| INSPECTION TEST STD. | API 6D                                       |
| SIZE RANGE           | 40 MM TO 300 MM                              |

ITEM NO. 204



## 300# THREE PIECE DESIGN F/E FULL BORE BALL VALVE WCB / SS 304 / SS 316

|                      |                                              |
|----------------------|----------------------------------------------|
| BODY                 | ASTM A 216 Gr WCB / ASTM A 351 Gr CF8 / CF8M |
| BALL                 | ASTM A 351 Gr CF8                            |
|                      | ASTM A 351 Gr CF8M                           |
| MFG STD              | API 6D                                       |
| FACE TO FACE         | API 6D                                       |
| ENDS                 | FLANGED END TO ASME B 16.5 RF (300#)         |
| HYD-TEST PRESSURE    | BODY : 1125 Psig                             |
|                      | SEAT : 815 Psig                              |
| PNEUMATIC PRESSURE   | SEAT : 80 Psig                               |
| INSPECTION TEST STD. | API 6D                                       |
| SIZE RANGE           | 40 MM TO 300 MM                              |

ITEM NO. 204 A



## 400# THREE PIECE DESIGN F/E FULL BORE BALL VALVE WCB / SS 304 / SS 316

|                      |                                              |
|----------------------|----------------------------------------------|
| BODY                 | ASTM A 216 Gr WCB / ASTM A 351 Gr CF8 / CF8M |
| BALL                 | ASTM A 351 Gr CF8                            |
|                      | ASTM A 351 Gr CF8M                           |
| MFG STD              | API 6D                                       |
| FACE TO FACE         | API 6D                                       |
| ENDS                 | FLANGED END TO ASME B 16.5 RF (400#)         |
| HYD-TEST PRESSURE    | BODY : 1500 Psig                             |
|                      | SEAT : 1090 Psig                             |
| PNEUMATIC PRESSURE   | SEAT : 80 Psig                               |
| INSPECTION TEST STD. | API 6D                                       |
| SIZE RANGE           | 40 MM TO 300 MM                              |

ITEM NO. 205





ITEM NO. 205 A



## 600# THREE PIECE DESIGN F/E FULL BORE BALL VALVE WCB / SS 304 / SS 316

|                      |                                              |
|----------------------|----------------------------------------------|
| BODY                 | ASTM A 216 Gr WCB / ASTM A 351 Gr CF8 / CF8M |
| BALL                 | ASTM A 351 Gr CF8                            |
|                      | ASTM A 351 Gr CF8M                           |
| MFG STD              | API 6D                                       |
| FACE TO FACE         | API 6D                                       |
| ENDS                 | FLANGED END TO ASME B 16.5 RF (600#)         |
| HYD-TEST PRESSURE    | BODY : 2225 Psig                             |
|                      | SEAT : 1630 Psig                             |
| PNEUMATIC PRESSURE   | SEAT : 80 Psig                               |
| INSPECTION TEST STD. | API 6D                                       |
| SIZE RANGE           | 40 MM TO 300 MM                              |

ITEM NO. 206



## 900# THREE PIECE DESIGN F/E FULL BORE BALL VALVE WCB / SS 304 / SS 316

|                      |                                              |
|----------------------|----------------------------------------------|
| BODY                 | ASTM A 216 Gr WCB / ASTM A 351 Gr CF8 / CF8M |
| BALL                 | ASTM A 351 Gr CF8                            |
|                      | ASTM A 351 Gr CF8M                           |
| MFG STD              | API 6D                                       |
| FACE TO FACE         | API 6D                                       |
| ENDS                 | FLANGED END TO ASME B 16.5 RF (900#)         |
| HYD-TEST PRESSURE    | BODY : 3350 Psig                             |
|                      | SEAT : 2445 Psig                             |
| PNEUMATIC PRESSURE   | SEAT : 80 Psig                               |
| INSPECTION TEST STD. | API 6D                                       |
| SIZE RANGE           | 40 MM TO 300 MM                              |

ITEM NO. 207



## 1500# THREE PIECE DESIGN F/E FULL BORE BALL VALVE WCB / SS 304 / SS 316

|                      |                                              |
|----------------------|----------------------------------------------|
| BODY                 | ASTM A 216 Gr WCB / ASTM A 351 Gr CF8 / CF8M |
| BALL                 | ASTM A 351 Gr CF8                            |
|                      | ASTM A 351 Gr CF8M                           |
| MFG STD              | API 6D                                       |
| FACE TO FACE         | API 6D                                       |
| ENDS                 | FLANGED END TO ASME B 16.5 RF (1500#)        |
| HYD-TEST PRESSURE    | BODY : 5575 Psig                             |
|                      | SEAT : 4080 Psig                             |
| PNEUMATIC PRESSURE   | SEAT : 80 Psig                               |
| INSPECTION TEST STD. | API 6D                                       |
| SIZE RANGE           | 40 MM TO 300 MM                              |
|                      | 80 MM & ABOVE GEAR OPERATION STD             |

## 2500# THREE PIECE DESIGN F/E FULL BORE BALL VALVE WCB / SS 304 / SS 316

|                      |                                              |
|----------------------|----------------------------------------------|
| BODY                 | ASTM A 216 Gr WCB / ASTM A 351 Gr CF8 / CF8M |
| BALL                 | ASTM A 351 Gr CF8                            |
|                      | ASTM A 351 Gr CF8M                           |
| MFG STD              | API 6D                                       |
| FACE TO FACE         | API 6D                                       |
| ENDS                 | FLANGED END TO ASME B 16.5 RF (2500#)        |
| HYD-TEST PRESSURE    | BODY : 9275 Psig                             |
|                      | SEAT : 6790 Psig                             |
| PNEUMATIC PRESSURE   | SEAT : 80 Psig                               |
| INSPECTION TEST STD. | API 6D                                       |
| <b>SIZE RANGE</b>    | <b>40 MM TO 300 MM</b>                       |
|                      | <b>80 MM &amp; ABOVE GEAR OPERATION STD</b>  |

ITEM NO. 208



## CAST STEEL PARALLEL SLIDE BLOWDOWN OFF VALVE FLANGED END

|                    |                                                             |
|--------------------|-------------------------------------------------------------|
| BODY / BONNET      | ASTM A 216 Gr WCB                                           |
| OPERATING PRESSURE | 350 Psig (24.6 Kg/Cm <sup>2</sup> ) at 850 °F (454 °C) TEMP |
| HYD-TEST PRESSURE  | 700 Psig (49.2 Kg/Cm <sup>2</sup> )                         |
| ENDS               | FLANGED END TO BS 10 TABLE - "J"                            |
| <b>SIZE RANGE</b>  | <b>25 MM TO 65 MM</b>                                       |

ITEM NO. 209



## INVESTMENT CASTING GATE / GLOBE / LIFT UP TYPE CHECK VALVE

|                   |                                           |
|-------------------|-------------------------------------------|
| BODY & WEDGE      | ASTM A 351 Gr CF8 / CF8M                  |
| TRIMS             | AISI 304 / AISI 316                       |
| ENDS              | SCREWED TO BSP                            |
|                   | SOCKETWELD END TO ANSI B 16.11            |
| HYD-TEST PRESSURE | BODY : 1100 Psig (77 Kg/Cm <sup>2</sup> ) |
|                   | SEAT : 800 Psig (56 Kg/Cm <sup>2</sup> )  |
| <b>SIZE RANGE</b> | <b>15 MM TO 100 MM</b>                    |

ITEM NO. 210





ITEM NO. 211



## WAFER TYPE BUTTERFLY VALVE

|                      |                                       |
|----------------------|---------------------------------------|
| BODY                 | GGG 40                                |
| DISC                 | CF8 + PFA / FEP LINED                 |
| SEAT                 | PTFE                                  |
| MFG STD              | BS 5155                               |
| INSPECTION TEST STD. | BS 6755 ( PART- II)                   |
| LINNING THICKNESS    | MINIMUM 3.00 MM TO 4.00 MM            |
|                      | FEP : MAXIMUM 200° C                  |
|                      | PFA : MAXIMUM 260° C                  |
| TEMP.                | 10 KVDC                               |
| SPARK TEST           | WAFER TYPE TO SUIT ANSI B 16.5 (150#) |
| ENDS                 | BODY : 07 Kg/Cm <sup>2</sup>          |
| HYD-TEST PRESSURE    | SEAT : 07 Kg/Cm <sup>2</sup>          |
| <b>SIZE RANGE</b>    | <b>40 MM TO 400 MM</b>                |

ITEM NO. 212



## S.G. IRON FEP / PFA LINED TWO PIECE DESIGN BALL VALVE ASA 150#

|                   |                                                                                      |
|-------------------|--------------------------------------------------------------------------------------|
| BODY              | GGG 40                                                                               |
|                   | WITH FEP / PFA                                                                       |
| BALL              | ASTM A 216 216 Gr WCB + FEP / PFA LINED                                              |
| STEM              | ASTM A 216 216 Gr WCB + FEP / PFA LINED                                              |
| ENDS              | FLANGED TO ANSI B 16.5 (150#)                                                        |
| PARTS             | ALL WETTED PARTS OF VALVE & RAISED PORTION OF FLANGES WILL BE LINED WITH / FEP / PFA |
|                   | MINIMUM 3.00 MM TO 4.00 MM                                                           |
| LINNING THICKNESS | FEP : MAXIMUM 200° C                                                                 |
| TEMP.             | PFA : MAXIMUM 260° C                                                                 |
|                   | 15 KVDC                                                                              |
| SPARK TEST        | BODY : 10 Kg/Cm <sup>2</sup>                                                         |
| HYD-TEST PRESSURE | SEAT : 10 Kg/Cm <sup>2</sup>                                                         |
| <b>SIZE RANGE</b> | <b>15 MM TO 200 MM</b>                                                               |

ITEM NO. 213



## S.G. IRON FEP / PFA LINED PLUG VALVE FLANGED END ASA 150#

|                   |                                                                                      |
|-------------------|--------------------------------------------------------------------------------------|
| BODY              | GGG 40                                                                               |
|                   | WITH / FEP / PFA                                                                     |
| COVER             | GGG 40                                                                               |
| PLUG              | ASTM A 216 216 Gr WCB + FEP / PFA LINED                                              |
| DIAPHRAGM         | PTFE                                                                                 |
| ENDS              | FLANGED TO ANSI B 16.5 (150#)                                                        |
| PARTS             | ALL WETTED PARTS OF VALVE & RAISED PORTION OF FLANGES WILL BE LINED WITH / FEP / PFA |
|                   | MINIMUM 3.00 MM TO 4.00 MM                                                           |
| LINNING THICKNESS | FEP : MAXIMUM 200° C                                                                 |
| TEMP.             | PFA : MAXIMUM 260° C                                                                 |
|                   | 15 KVDC                                                                              |
| SPARK TEST        | BODY : 10 Kg/Cm <sup>2</sup>                                                         |
| HYD-TEST PRESSURE | SEAT : 10 Kg/Cm <sup>2</sup>                                                         |
| <b>SIZE RANGE</b> | <b>15 MM TO 200 MM</b>                                                               |

## S.G. IRON FEP / PFA LINED DIAPHRAGM VALVE FLANGED END ASA 150#

|                   |                                                                                         |
|-------------------|-----------------------------------------------------------------------------------------|
| BODY              | GGG 40 WITH FEP / PFA LINED                                                             |
| BONNET            | ASTM A 216 Gr WCB                                                                       |
| END               | FLANGED TO ANSI B 16.5 (150#)                                                           |
| PARTS             | ALL WETTED PARTS OF VALVE & RAISED PORTION<br>OF FLANGES WILL BE LINED WITH / FEP / PFA |
| LINNING THICKNESS | MINIMUM 3.00 MM TO 4.00 MM                                                              |
| TEMP.             | FEP : MAXIMUM 200° C<br>PFA : MAXIMUM 260° C                                            |
| SPARK TEST        | 15 KVDC                                                                                 |
| HYD-TEST PRESSURE | BODY : 10 Kg/Cm <sup>2</sup><br>SEAT : 10 Kg/Cm <sup>2</sup>                            |
| <b>SIZE RANGE</b> | <b>25 MM TO 200 MM</b>                                                                  |

ITEM NO. 214



## FEP / PFA SLEEVE PLUG VALVE FLANGED END TABLE "E" / ASA 150#

|                   |                                                   |
|-------------------|---------------------------------------------------|
| BODY              | IS 210 Gr FG 200/ 220 / WCB / AISI 304 / AISI 316 |
| PLUG              | AISI 304 / AISI 316 WITH PTFE SLEEVE              |
| DIAPHRAGM         | PTFE                                              |
| ENDS              | FLANGED TABLE "E"/ ASA 150#                       |
| <b>SIZE RANGE</b> | <b>25 MM TO 150 MM</b>                            |

ITEM NO. 215



**CANCELLED**

ITEM NO. 216  
ITEM NO. 217



ITEM NO. 218



## INVESTMENT CASTING GATE VALVE ASA 150 CLASS OUT SIDE SCREW & YOKE TYPE BOLTED BONNET

BODY / BONNET  
TRIMS  
MFG STD  
INSP & TEST STD  
ENDS  
HYD-TEST PRESSURE

ASTM A 216 Gr WCB / CF8 / CF8M  
13 Cr / 18 Cr 8 Ni  
API 600  
API 598  
FLANGED TO ANSI B 16.5 RF (150#)  
BODY : 425 Psig (30 Kg/Cm<sup>2</sup>)  
SEAT : 300 Psig (21 Kg/Cm<sup>2</sup>)  
**SIZE RANGE**  
**25 MM TO 300 MM**

ITEM NO. 218 A



## INVESTMENT CASTING GATE VALVE ASA 300 CLASS OUT SIDE SCREW & YOKE TYPE BOLTED BONNET

BODY / BONNET  
TRIMS  
MFG STD  
INSP & TEST STD  
ENDS  
HYD-TEST PRESSURE

ASTM A 216 Gr WCB / CF8 / CF8M  
13 Cr / 18 Cr 8 Ni  
API 600  
API 598  
FLANGED TO ANSI B 16.5 RF (300#)  
BODY : 1100 Psig (77 Kg/Cm<sup>2</sup>)  
SEAT : 800 Psig (56 Kg/Cm<sup>2</sup>)  
**SIZE RANGE**  
**25 MM TO 300 MM**

ITEM NO. 219



## INVESTMENT CASTING GLOBE VALVE ASA 150 CLASS OUT SIDE SCREW & YOKE TYPE BOLTED BONNET

BODY / BONNET  
TRIMS  
MFG STD  
INSP & TEST STD  
ENDS  
HYD-TEST PRESSURE

ASTM A 216 Gr WCB / CF8 / CF8M  
13 Cr / 18 Cr 8 Ni  
BS 1873  
BS 6755  
FLANGED TO ANSI B 16.5 RF (150#)  
BODY : 425 Psig (30 Kg/Cm<sup>2</sup>)  
SEAT : 300 Psig (21 Kg/Cm<sup>2</sup>)  
**SIZE RANGE**  
**25 MM TO 300 MM**

ITEM NO. 219 A



## INVESTMENT CASTING GLOBE VALVE ASA 300 CLASS OUT SIDE SCREW & YOKE TYPE BOLTED BONNET

BODY / BONNET  
TRIMS  
MFG STD  
INSP & TEST STD  
ENDS  
HYD-TEST PRESSURE

ASTM A 216 Gr WCB / CF8 / CF8M  
13 Cr / 18 Cr 8 Ni  
BS 1873  
BS 6755  
FLANGED TO ANSI B 16.5 RF (300#)  
BODY : 1100 Psig (77 Kg/Cm<sup>2</sup>)  
SEAT : 800 Psig (56 Kg/Cm<sup>2</sup>)  
**SIZE RANGE**  
**25 MM TO 300 MM**

## INVESTMENT CASTING NON RETURN VALVE ASA 150 CLASS SWING TYPE BOLTED COVER

|                   |                                                                                      |
|-------------------|--------------------------------------------------------------------------------------|
| BODY / COVER      | ASTM A 216 Gr WCB / CF8 / CF8M                                                       |
| TRIMS             | 13 Cr / 18 Cr 8 Ni                                                                   |
| MFG STD           | BS 1868                                                                              |
| INSP & TEST STD   | BS 6755                                                                              |
| ENDS              | FLANGED TO ANSI B 16.5 RF (150#)                                                     |
| HYD-TEST PRESSURE | BODY : 425 Psig (30 Kg/Cm <sup>2</sup> )<br>SEAT : 300 Psig (21 Kg/Cm <sup>2</sup> ) |
| <b>SIZE RANGE</b> | <b>25 MM TO 300 MM</b>                                                               |

ITEM NO. 220



## INVESTMENT CASTING NON RETURN VALVE ASA 300 CLASS SWING TYPE BOLTED COVER

|                   |                                                                                       |
|-------------------|---------------------------------------------------------------------------------------|
| BODY / COVER      | ASTM A 216 Gr WCB / CF8 / CF8M                                                        |
| TRIMS             | 13 Cr / 18 Cr 8 Ni                                                                    |
| MFG STD           | BS 1868                                                                               |
| INSP & TEST STD   | BS 6755                                                                               |
| ENDS              | FLANGED TO ANSI B 16.5 RF (300#)                                                      |
| HYD-TEST PRESSURE | BODY : 1100 Psig (77 Kg/Cm <sup>2</sup> )<br>SEAT : 800 Psig (56 Kg/Cm <sup>2</sup> ) |
| <b>SIZE RANGE</b> | <b>25 MM TO 300 MM</b>                                                                |

ITEM NO. 220 A



## INVESTMENT CASTING - ASA 150 CLASS "Y" TYPE STRAINER BOLTED COVER

|                   |                                          |
|-------------------|------------------------------------------|
| BODY / COVER      | ASTM A 216 Gr WCB / CF8 / CF8M           |
| SCREEN            | SS 304 / SS 316                          |
| MFG STD           | MARCK / 014                              |
| INSP & TEST STD   | MARCK / 014                              |
| ENDS              | FLANGED TO ANSI B 16.5 RF (150#)         |
| HYD-TEST PRESSURE | BODY : 425 Psig (30 Kg/Cm <sup>2</sup> ) |
| <b>SIZE RANGE</b> | <b>15 MM TO 300 MM</b>                   |

ITEM NO. 221



## INVESTMENT CASTING - ASA 150 CLASS "T" TYPE STRAINER

|                   |                                          |
|-------------------|------------------------------------------|
| BODY / COVER      | ASTM A 216 Gr WCB / CF8 / CF8M           |
| SCREEN            | SS 304 / SS 316                          |
| MFG STD           | MARCK / 014                              |
| INSP & TEST STD   | MARCK / 014                              |
| ENDS              | FLANGED TO ANSI B 16.5 RF (150#)         |
| HYD-TEST PRESSURE | BODY : 425 Psig (30 Kg/Cm <sup>2</sup> ) |
| <b>SIZE RANGE</b> | <b>15 MM TO 300 MM</b>                   |

ITEM NO. 221 A





ITEM NO. 221 B



## INVESTMENT CASTING GLOBE VALVE ND - 40 RATING OUT SIDE SCREW & YOKE TYPE BOLTED BONNET

|                   |                                          |
|-------------------|------------------------------------------|
| BODY / BONNET     | ASTM A 216 Gr WCB / CF8 / CF8M           |
| TRIMS             | 13 Cr / 18 Cr 8 Ni                       |
| MFG STD           | BS 1873                                  |
| INSP & TEST STD   | BS 6755                                  |
| ENDS              | FLANGED TO ANSI B 16.5 RF (300#)         |
| HYD-TEST PRESSURE | BODY : 854 Psig (60 Kg/Cm <sup>2</sup> ) |
|                   | SEAT : 569 Psig (40 Kg/Cm <sup>2</sup> ) |

**SIZE RANGE**

**15 MM TO 150 MM**

ITEM NO. 222



## DOUBLE WINDOW SIGHT GLASS

|                   |                                      |
|-------------------|--------------------------------------|
| BODY              | WCB / CF8 / CF8M                     |
| ENDS              | FLANGED TO 150#                      |
| MEDIA             | STEAM, AIR, WATER, OIL               |
| PRESS.            | UP TO 10 Kg/Cm <sup>2</sup>          |
| TEMP.             | 180 °C                               |
| <b>SIZE RANGE</b> | <b>25 MM TO 100 MM</b>               |
|                   | <b>150 MM TO 250 MM (FABRICATED)</b> |

ITEM NO. 223



## "ZAC" MAKE / CF8 / BALL VALVE / SINGLE PIECE DESIGN / FULL BORE / BALL VALVE / SCREWED END / TESTED TO 1000 PSI

**SIZE RANGE**

**8 MM TO 100 MM**

ITEM NO. 223 A



## "IMPORTED" MAKE / INVESTMENT CASTING / CF8 / 3 WAY / "L" PORT / "T" PORT / BALL VALVE / SCREWED END.

**SIZE RANGE**

**15 MM TO 50 MM**

ITEM NO. 224



## "IMPORTED" MAKE / CF8 / SWING CHECK VALVE / SCREWED END / TESTED TO 200 PSI

**SIZE RANGE**

**15 MM TO 50 MM**

**CAST IRON EQUILIBRIUM BALL FLOAT VALVE  
WITH COPPER BALL**

|                   |                                                                                        |
|-------------------|----------------------------------------------------------------------------------------|
| BODY              | IS 210 Gr FG 200 / 220 / 260                                                           |
| TRIMS             | 13% Cr STEEL                                                                           |
| BALL              | COPPER                                                                                 |
| MFG STD           | AS PER MARCK                                                                           |
| INSP & TEST STD   | AS PER MARCK                                                                           |
| ENDS              | FLANGED END TO ANSI B 16.1 FF (125#)                                                   |
| HYD-TEST PRESSURE | BODY : 225 Psig (16 Kg/Cm <sup>2</sup> )<br>SEAT : 165 Psig (11.5 Kg/Cm <sup>2</sup> ) |
| <b>SIZE RANGE</b> | <b>50 MM TO 200 MM</b>                                                                 |

ITEM NO. 225

**S / STEEL FLOAT VALVE / SCREWED END  
WITH SS BALL**

|                   |                        |
|-------------------|------------------------|
| <b>SIZE RANGE</b> | <b>15 MM TO 100 MM</b> |
|-------------------|------------------------|

ITEM NO. 226

**"KITZ" MAKE ALUMINIUM ALLOY BODY SS 316  
DISC EPDM SEAT WAFER TYPE BUTTERFLY VALVE  
LEVER OPERATED**

|                   |                                                      |
|-------------------|------------------------------------------------------|
| BODY              | ALUMINIUM DIE-CAST /<br>EQUIVALENT ASTM B85-84-383.0 |
| NECK              | A 351 Gr CF 8                                        |
| STEM              | (EQUIVALENT ASTM A 276 TYPE 410)                     |
| DISC              | A 351 Gr CF8M                                        |
| O-RING            | EPDM                                                 |
| RUBBER SEAT       | EPDM                                                 |
| BOTTOM STEM       | (EQUIVALENT ASTM A 276 TYPE 410)                     |
| BEARING           | POLYPHENYLENE SULFIDE (10XJMEA: SIZE 2" TO 8")       |
| HYD-TEST PRESSURE | BODY : 1.5 Mpa<br>SEAT : 1.1 Mpa                     |
| <b>SIZE RANGE</b> | <b>40 MM TO 200 MM</b>                               |

ITEM NO. 227





## "Y" TYPE GLOBE VALVES

shiva

ITEM NO. 228



### FORGED CARBON STEEL - ASA 2500 CLASS "Y" TYPE WELDED BONNET GLOBE VALVE

|                   |                                                                                          |
|-------------------|------------------------------------------------------------------------------------------|
| BODY / BONNET     | ASTM A 105                                                                               |
| TRIMS             | 13% Cr STEEL + STELLITE-6                                                                |
| MFG STD           | API 602                                                                                  |
| INSP & TEST STD   | API 598                                                                                  |
| ENDS              | SOCKETWELD TO ANSI B 16.11 / BUTTWELD END                                                |
| HYD-TEST PRESSURE | BODY : 9275 Psig (652 Kg/Cm <sup>2</sup> )<br>SEAT : 6790 Psig (477 Kg/Cm <sup>2</sup> ) |
| <b>SIZE RANGE</b> | <b>15 MM TO 50 MM</b>                                                                    |

ITEM NO. 229



### FORGED STAINLESS STEEL - ASA 2500 CLASS "Y" TYPE WELDED BONNET GLOBE VALVE

|                   |                                                                                          |
|-------------------|------------------------------------------------------------------------------------------|
| BODY / BONNET     | ASTM A 182 Gr F 304 / F 304L                                                             |
| TRIMS             | 18% Cr 8% Ni + STELLITE-6                                                                |
| MFG STD           | API 602                                                                                  |
| INSP & TEST STD   | API 598                                                                                  |
| ENDS              | SOCKETWELD TO ANSI B 16.11 / BUTTWELD END                                                |
| HYD-TEST PRESSURE | BODY : 9275 Psig (652 Kg/Cm <sup>2</sup> )<br>SEAT : 6790 Psig (477 Kg/Cm <sup>2</sup> ) |
| <b>SIZE RANGE</b> | <b>15 MM TO 50 MM</b>                                                                    |

ITEM NO. 230



### FORGED STAINLESS STEEL - ASA 2500 CLASS "Y" TYPE WELDED BONNET GLOBE VALVE

|                   |                                                                                          |
|-------------------|------------------------------------------------------------------------------------------|
| BODY / BONNET     | ASTM A 182 Gr F 316 / F 316L                                                             |
| TRIMS             | 18% Cr 8% Ni / 18% Cr 10% Ni 2% MO + STELLITE-6                                          |
| MFG STD           | API 602                                                                                  |
| INSP & TEST STD   | API 598                                                                                  |
| ENDS              | SOCKETWELD TO ANSI B 16.11 / BUTTWELD END                                                |
| HYD-TEST PRESSURE | BODY : 9275 Psig (652 Kg/Cm <sup>2</sup> )<br>SEAT : 6790 Psig (477 Kg/Cm <sup>2</sup> ) |
| <b>SIZE RANGE</b> | <b>15 MM TO 50 MM</b>                                                                    |

ITEM NO. 231



### FORGED ALLOY STEEL - ASA 2500 CLASS "Y" TYPE WELDED BONNET GLOBE VALVE

|                   |                                                                                          |
|-------------------|------------------------------------------------------------------------------------------|
| BODY / BONNET     | ASTM A 182 Gr F 11                                                                       |
| TRIMS             | 13% Cr STEEL + STELLITE-6                                                                |
| MFG STD           | API 602                                                                                  |
| INSP & TEST STD   | API 598                                                                                  |
| ENDS              | SOCKETWELD TO ANSI B 16.11 / BUTTWELD END                                                |
| HYD-TEST PRESSURE | BODY : 9275 Psig (652 Kg/Cm <sup>2</sup> )<br>SEAT : 6790 Psig (477 Kg/Cm <sup>2</sup> ) |
| <b>SIZE RANGE</b> | <b>15 MM TO 50 MM</b>                                                                    |

**FORGED ALLOY STEEL - ASA 2500 CLASS "Y" TYPE  
WELDED BONNET GLOBE VALVE**

|                   |                                                                                          |
|-------------------|------------------------------------------------------------------------------------------|
| BODY / BONNET     | ASTM A 182 Gr F 22                                                                       |
| TRIMS             | 13% Cr STEEL + STELLITE-6                                                                |
| MFG STD           | API 602                                                                                  |
| INSP & TEST STD   | API 598                                                                                  |
| ENDS              | SOCKETWELD TO ANSI B 16.11 / BUTTWELD END                                                |
| HYD-TEST PRESSURE | BODY : 9275 Psig (652 Kg/Cm <sup>2</sup> )<br>SEAT : 6790 Psig (477 Kg/Cm <sup>2</sup> ) |
| <b>SIZE RANGE</b> | <b>15 MM TO 50 MM</b>                                                                    |

**ITEM NO. 232****FORGED CARBON STEEL - ASA 2500 CLASS "Y"  
TYPE WELDED COVER NON RETURN VALVE**

|                   |                                                                                          |
|-------------------|------------------------------------------------------------------------------------------|
| BODY / COVER      | ASTM A 105                                                                               |
| TRIMS             | 13% Cr STEEL + STELLITE-6                                                                |
| MFG STD           | API 602                                                                                  |
| INSP & TEST STD   | API 598                                                                                  |
| ENDS              | SOCKETWELD TO ANSI B 16.11 / BUTTWELD END                                                |
| HYD-TEST PRESSURE | BODY : 9275 Psig (652 Kg/Cm <sup>2</sup> )<br>SEAT : 6790 Psig (477 Kg/Cm <sup>2</sup> ) |
| <b>SIZE RANGE</b> | <b>15 MM TO 50 MM</b>                                                                    |

**ITEM NO. 233****FORGED STAINLESS STEEL - ASA 2500 CLASS "Y"  
TYPE WELDED COVER NON RETURN VALVE**

|                   |                                                                                          |
|-------------------|------------------------------------------------------------------------------------------|
| BODY / COVER      | ASTM A 182 Gr F 304 / F 304L                                                             |
| TRIMS             | 18% Cr 8% Ni + STELLITE-6                                                                |
| MFG STD           | API 602                                                                                  |
| INSP & TEST STD   | API 598                                                                                  |
| ENDS              | SOCKETWELD TO ANSI B 16.11 / BUTTWELD END                                                |
| HYD-TEST PRESSURE | BODY : 9275 Psig (652 Kg/Cm <sup>2</sup> )<br>SEAT : 6790 Psig (477 Kg/Cm <sup>2</sup> ) |
| <b>SIZE RANGE</b> | <b>15 MM TO 50 MM</b>                                                                    |

**ITEM NO. 234****FORGED STAINLESS STEEL - ASA 2500 CLASS "Y" TYPE  
WELDED COVER NON RETURN VALVE**

|                   |                                                                                          |
|-------------------|------------------------------------------------------------------------------------------|
| BODY / COVER      | ASTM A 182 Gr F 316 / F 316L                                                             |
| TRIMS             | 18% Cr 10% Ni 2% MO + STELLITE-6                                                         |
| MFG STD           | API 602                                                                                  |
| INSP & TEST STD   | API 598                                                                                  |
| ENDS              | SOCKETWELD TO ANSI B 16.11 / BUTTWELD END                                                |
| HYD-TEST PRESSURE | BODY : 9275 Psig (652 Kg/Cm <sup>2</sup> )<br>SEAT : 6790 Psig (477 Kg/Cm <sup>2</sup> ) |
| <b>SIZE RANGE</b> | <b>15 MM TO 50 MM</b>                                                                    |

**ITEM NO. 235**



**ITEM NO. 236****FORGED ALLOY STEEL - ASA 2500 CLASS "Y" TYPE WELDED COVER NON RETURN VALVE**

BODY / COVER

ASTM A 182 Gr F 11

TRIMS

13% Cr STEEL + STELLITE-6

MFG STD

API 602

INSP &amp; TEST STD

API 598

ENDS

SOCKETWELD TO ANSI B 16.11 / BUTTWELD END

HYD-TEST PRESSURE

BODY : 9275 Psig (652 Kg/Cm<sup>2</sup>)SEAT : 6790 Psig (477 Kg/Cm<sup>2</sup>)**SIZE RANGE****15 MM TO 50 MM****ITEM NO. 237****FORGED ALLOY STEEL - ASA 2500 CLASS "Y" TYPE WELDED COVER NON RETURN VALVE**

BODY / COVER

ASTM A 182 Gr F 22

TRIMS

13% Cr STEEL + STELLITE-6

MFG STD

API 602

INSP &amp; TEST STD

API 598

ENDS

SOCKETWELD TO ANSI B 16.11 / BUTTWELD END

HYD-TEST PRESSURE

BODY : 9275 Psig (652 Kg/Cm<sup>2</sup>)SEAT : 6790 Psig (477 Kg/Cm<sup>2</sup>)**SIZE RANGE****15 MM TO 50 MM****ITEM NO. 238****FORGED CARBON STEEL - ASA 2500 CLASS "Y" TYPE WELDED COVER STRAINER**

BODY / COVER

ASTM A 105

SCREEN

SS 304

MFG STD

MARCK / 014

INSP &amp; TEST STD

MARCK / 014

ENDS

SOCKETWELD TO ANSI B 16.11 / BUTTWELD END

HYD-TEST PRESSURE

BODY : 9275 Psig (652 Kg/Cm<sup>2</sup>)SEAT : 6790 Psig (477 Kg/Cm<sup>2</sup>)**SIZE RANGE****15 MM TO 50 MM****ITEM NO. 239****FORGED STAINLESS STEEL - ASA 2500 CLASS "Y" TYPE WELDED COVER STRAINER**

BODY / COVER

ASTM A 182 Gr F 304 / F 304L

SCREEN

SS 304

MFG STD

MARCK / 014

INSP &amp; TEST STD

MARCK / 014

ENDS

SOCKETWELD TO ANSI B 16.11 / BUTTWELD END

HYD-TEST PRESSURE

BODY : 9275 Psig (652 Kg/Cm<sup>2</sup>)SEAT : 6790 Psig (477 Kg/Cm<sup>2</sup>)**SIZE RANGE****15 MM TO 50 MM**

## "Y" TYPE STRAINERS

shiva

### FORGED STAINLESS STEEL - ASA 2500 CLASS "Y" TYPE WELDED COVER STRAINER

|                   |                                                                                          |
|-------------------|------------------------------------------------------------------------------------------|
| BODY / COVER      | ASTM A 182 Gr F 316 / F 316L                                                             |
| SCREEN            | SS 316                                                                                   |
| MFG STD           | MARCK / 014                                                                              |
| INSP & TEST STD   | MARCK / 014                                                                              |
| ENDS              | SOCKETWELD TO ANSI B 16.11 / BUTTWELD END                                                |
| HYD-TEST PRESSURE | BODY : 9275 Psig (652 Kg/Cm <sup>2</sup> )<br>SEAT : 6790 Psig (477 Kg/Cm <sup>2</sup> ) |
| <b>SIZE RANGE</b> | <b>15 MM TO 50 MM</b>                                                                    |

ITEM NO. 240



### FORGED ALLOY STEEL - ASA 2500 CLASS "Y" TYPE WELDED COVER STRAINER

|                   |                                                                                          |
|-------------------|------------------------------------------------------------------------------------------|
| BODY / COVER      | ASTM A 182 Gr F 11                                                                       |
| SCREEN            | 13% Cr                                                                                   |
| MFG STD           | MARCK / 014                                                                              |
| INSP & TEST STD   | MARCK / 014                                                                              |
| ENDS              | SOCKETWELD TO ANSI B 16.11 / BUTTWELD END                                                |
| HYD-TEST PRESSURE | BODY : 9275 Psig (652 Kg/Cm <sup>2</sup> )<br>SEAT : 6790 Psig (477 Kg/Cm <sup>2</sup> ) |
| <b>SIZE RANGE</b> | <b>15 MM TO 50 MM</b>                                                                    |

ITEM NO. 241



### FORGED ALLOY STEEL - ASA 2500 CLASS "Y" TYPE WELDED COVER STRAINER

|                   |                                                                                          |
|-------------------|------------------------------------------------------------------------------------------|
| BODY / COVER      | ASTM A 182 Gr F 22                                                                       |
| SCREEN            | 13% Cr STEEL                                                                             |
| MFG STD           | MARCK / 014                                                                              |
| INSP & TEST STD   | MARCK / 014                                                                              |
| ENDS              | SOCKETWELD TO ANSI B 16.11 / BUTTWELD END                                                |
| HYD-TEST PRESSURE | BODY : 9275 Psig (652 Kg/Cm <sup>2</sup> )<br>SEAT : 6790 Psig (477 Kg/Cm <sup>2</sup> ) |
| <b>SIZE RANGE</b> | <b>15 MM TO 50 MM</b>                                                                    |

ITEM NO. 242





ITEM NO. 243



## M.S. FABRICATED POT TYPE STRAINER

|                   |                                               |
|-------------------|-----------------------------------------------|
| BODY              | IS 2062 / BS 2762 / BS 4360 / ASTM A 106      |
| COVER             | CARBON STEEL IS 2062                          |
| SCREEN            | SS 304 / SS 316                               |
| MFG STD           | MARCK / 014                                   |
| TEST STD          | BS 6755 PART-I / MARCK / 014                  |
| ENDS              | FLANGED TO ANSI B16.5 RF (150# / 300# / 600#) |
| HYD-TEST PRESSURE | BODY : 450 Psig (32 Kg/Cm <sup>2</sup> )      |
| SIZE RANGE        | 25 MM TO 1200 MM                              |

ITEM NO. 244



## M.S. FABRICATED "Y" TYPE STRAINER

|                   |                                               |
|-------------------|-----------------------------------------------|
| BODY              | IS 2062 / BS 2762 / BS 4360 / ASTM A 106      |
| COVER             | CARBON STEEL IS 2062                          |
| SCREEN            | SS 304 / SS 316                               |
| MFG STD           | MARCK / 014                                   |
| TEST STD          | BS 6755 PART-I / MARCK / 014                  |
| ENDS              | FLANGED TO ANSI B16.5 RF (150# / 300# / 600#) |
| HYD-TEST PRESSURE | BODY : 450 Psig (32 Kg/Cm <sup>2</sup> )      |
| SIZE RANGE        | 25 MM TO 1200 MM                              |

ITEM NO. 245



## M.S. FABRICATED "T" TYPE STRAINER

|                   |                                                |
|-------------------|------------------------------------------------|
| BODY              | IS 2062 / BS 2762 / BS 4360 / ASTM A 106       |
| COVER             | CARBON STEEL IS 2062                           |
| SCREEN            | SS 304 / SS 316                                |
| MFG STD           | MARCK / 014                                    |
| TEST STD          | BS 6755 PART-I / MARCK / 014                   |
| ENDS              | FLANGED TO ANSI B 16.5 RF (150# / 300# / 600#) |
| HYD-TEST PRESSURE | BODY : 450 Psig (32 Kg/Cm <sup>2</sup> )       |
| SIZE RANGE        | 25 MM TO 1200 MM                               |

ITEM NO. 246



## M.S. FABRICATED DUPLEX STRAINER

|                   |                                                |
|-------------------|------------------------------------------------|
| BODY              | IS 210 Gr FG 200/220                           |
| COVER             | CARBON STEEL IS 2062                           |
| SCREEN            | SS 304 / SS 316                                |
| MFG STD           | MARCK / 014                                    |
| TEST STD          | BS 6755 PART-I / MARCK / 014                   |
| ENDS              | FLANGED TO ANSI B 16.5 RF (150# / 300# / 600#) |
| HYD-TEST PRESSURE | BODY : 450 Psig (32 Kg/Cm <sup>2</sup> )       |
| SIZE RANGE        | 25 MM TO 1200 MM                               |



**CHAIN WHEELS**

**GEAR OPERATORS**

**PNEUMATIC ACTUATORS**

**ELECTRIC ACTUATORS**

**POSITION INDICATORS**

**LOCKING DEVICES**

**LIMIT SWITCH**



## GM UTAM PRESSURE REDUCING VALVE S/E

Body Material cum Standard - GM (BS:1400 LG2)  
 Product Description : Spring Loaded with Rubber Diaphragm & Rubber Disc  
 Type of Seat - Integral Seat  
 Maximum Setting upto : 6 Bar Hyd.  
 End Details - Screwed Female BSP Parallel Threads to BS: 21  
 Test Pressure : B.T.P. - 20 Bar Hyd.  
 Inlet Pressure 15 Bar Hyd.  
 Note : Cost of Pressure Gauge will be charged extra

ITEM NO. 247



## GM UTAM FIRE HYDRANT LANDING VALVE

Pressure/Class Rating : Class 150  
 Body Material cum Standard - GM (BS: 1400 LG 2)  
 Product Description : Screwed in Bonnet, Inside Screw, Rising Stem  
 Type of Disc - Renewable Synthetic Rubber Disc.  
 Trim - Cu-Alloy  
 Gland Packing - Teflon (PTFE)  
 End Details - Intel Flange Diameter is 165mm and Instantaneous Female outlet with blank Cap.  
 Test Pressure : B.T.P. - 21 Bar Hyd.  
 S.T.P. - 14 Bar Hyd.  
 Type of Seat : Integral Seat

ITEM NO. 248



## GM UTAM FIRE NOZZLE COCK

Product Standard : Pn-6  
 Body Material cum Standard - GM (BS: 1400 LG 2)  
 Product Description : Round Barrel, Straight Nose, Teflon Tapper Plug Type  
 End Details - Intel Male Ends  
 Test Pressure : B.T.P. - 9 Bar Hyd.  
 S.T.P. - 6.6 Bar Hyd.

ITEM NO. 249



## GM UTAM LANDING VALVE SINGLE OUTLET (TYPE A)

Product Standard : IS-5290  
 Body Material cum Standard - GM (IS:318 LTB 2)  
 Product Description : Screwed in Bonnet, Inside Screw, Rising Stem  
 Type of Seat - Integral Seat  
 Type of Disc. - Renewable Disc  
 Trim - Cu-Alloy  
 Gland Packing - Asbestos / Teflon (PTFE)  
 End Details - Inlet Flanges as per IS 5290, and Instantaneous Female Outlet with Blank Cap.  
 Test Pressure : B.T.P. - 21 Bar Hyd.  
 S.T.P. - 14 Bar Hyd.

ITEM NO. 250



## GM UTAM LANDING VALVE SINGLE OUTLET (TYPE A)

Product Standard : IS-5290  
 Body Material cum Standard - SS 304  
 Product Description : Screwed in Bonnet, Inside Screw, Rising Stem  
 Type of Seat - Integral Seat  
 Type of Disc. - Renewable Disc  
 Trim - SS 304  
 Gland Packing - Asbestos / Teflon (PTFE)  
 End Details - Inlet Flanges as per IS 5290, and Instantaneous Female Outlet with Blank Cap.  
 Test Pressure : B.T.P. - 21 Bar Hyd.  
 S.T.P. - 14 Bar Hyd.

ITEM NO. 251



# FIRE SAFETY EQUIPMENTS

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## GM UTAM LANDING VALVE DOUBLE HEAD OUTLET (TYPE B)

Product Standard : IS-5290  
 Body Material cum Standard - GM (IS:318 LTB 2)  
 Product Description : Screwed in Bonnet, Inside Screw, Rising Stem  
 Type of Seat - Integral Seat  
 Type of Disc. - Renewable Disc  
 Trim - Cu-Alloy  
 Gland Packing - Asbestos / Teflon (PTFE)  
 End Details - Inlet Flanges as per IS 5290, and Instantaneous Female Outlet with Blank Cap.  
 Test Pressure : B.T.P. - 21 Bar Hyd.  
 S.T.P. - 14 Bar Hyd.

ITEM NO. 252



## GM UTAM LANDING VALVE DOUBLE HEAD OUTLET (TYPE B)

Product Standard : IS-5290  
 Body Material cum Standard - SS 304  
 Product Description : Screwed in Bonnet, Inside Screw, Rising Stem  
 Type of Seat - Integral Seat  
 Type of Disc. - Renewable Disc  
 Trim - SS 304  
 Gland Packing - Asbestos / Teflon (PTFE)  
 End Details - Inlet Flanges as per IS 5290, and Instantaneous Female Outlet with Blank Cap.  
 Test Pressure : B.T.P. - 21 Bar Hyd.  
 S.T.P. - 14 Bar Hyd.

ITEM NO. 253



## GM UTAM FIRE HOSE DELIVERY COUPLINGS

Product Standard : IS-903  
 Body Material cum Standard - gm (IS:318 LTB2)  
 Product Description : Polished Male Half Coupling and Female Half Coupling with Synthetic Rubber Washer  
 Test Pressure : 21 Bar Hyd.

ITEM NO. 254



## GM UTAM FIRE HOSE DELIVERY COUPLINGS

Product Description : IS:903  
 Body Material cum standard - SS 304  
 Product Description - Polished Male Half Coupling and Female Half Coupling with Synthetic Rubber Washer  
 Test Pressure : 21 Bar Hyd.

ITEM NO. 255



## GM UTAM FIRE HOSE BRANCH PIPE

Product Description : IS:903  
 Body Material cum standard - GM (IS:318 LTB2)  
 Product Description - Polished Body with Synthetic Rubber Washer  
 Test Pressure : 21 Bar Hyd.

ITEM NO. 256





# FIRE SAFETY EQUIPMENTS

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## GM UTAM FIRE HOSE BRANCH PIPE WITH NOZZLE

Product Description : IS:903  
Body Material cum standard - SS 304  
Product Description - Polished Body with Synthetic Rubber Washer  
Test Pressure : 21 Bar Hyd.

ITEM NO. 257



## S.G. IRON UTAM FIRE HYDRANT LANDING VALVE

Body Material cum Standard - S.G.Iron (ASTM A536-1980)  
Product Description : Screwed in Bonnet, Inside Screw, Rising Stem  
Type of Seat - Integral Seat  
Type of Disc. - Renewable Synthetic Rubber Disc.  
Trim - Cu-Alloy  
Gland Packing - Teflon (PTFE)  
End Details - Intel Flange Diameter is 165mm and Instantaneous Female outlet with blank Cap.  
Test Pressure : B.T.P. - 21 Bar Hyd.  
S.T.P. -14 Bar Hyd.

ITEM NO. 258



## GM UTAM RUBBER REINFORCED LINED FIRE HOSE PIPE

Product Description : IS:636  
Pressure/Class Rating - PN-16  
Body Material cum standard - RRL  
Product Description - The hose comes with ISI Marked Male & Female Coupling  
Test Pressure : 37.5 Bar Hyd.

ITEM NO. 259



## KRANTI WATER METER S/E

KRANTI WATER METER  
Class A  
IS : 779 1994  
Model : KAM G

ITEM NO. 260



## KRANTI WATER METER S/E

KRANTI WATER METER  
Stainless Steel Gears  
Class A,  
IS 779 1994  
Model : KAM SS

ITEM NO. 261



# WATER METER

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## KRANTI COLD WATER METER FLANGED

Bulk Enclosed Type IS:2373 C.I. Body & Metalic Gears

ITEM NO. 262



## KRANTI WATER METER FLANGED CLASS-B Magnetic

Woltman Type Class B (Magnetic Drive)  
with Flange Ends As per ISO-4064/1

ITEM NO. 263



## KRANTI HOT WATER METER FLANGED CLASS-B

Woltman Type Class B (Magnetic Drive)  
with Flange Ends As per ISO-4064/1

ITEM NO. 264



## KRANTI WATER METER S/E

KRANTI WATER METER  
Magnetic Type Multi Jet  
Class B  
IS : 779 1994  
Model : KBM G

ITEM NO. 265



## KRANTI HOT WATER METER / OIL METER S/E

KRANTI HOT WATER METER / OIL METER  
Oil, Petrol. Diesel, Kerosene  
Model : KHO

ITEM NO. 266





| SANT FORGE STEEL |                          |                                                                                       |    |                                          |                                                                                                        |    |             |                                                                                     |  |  |  |
|------------------|--------------------------|---------------------------------------------------------------------------------------|----|------------------------------------------|--------------------------------------------------------------------------------------------------------|----|-------------|-------------------------------------------------------------------------------------|--|--|--|
| 1                | FORGE ELBOW SANT         |    | 12 | FORGE SOCKET STD                         |                       | 1  | ELBOW       |    |  |  |  |
| 2                | FORGE TEE SANT           |    | 13 | FORGE SOCKET HY                          |                       | 2  | TEE         |    |  |  |  |
| 3                | FORGE UNION SANT         |    | 14 | FORGE PLUG                               |                       | 3  | SOCKET      |    |  |  |  |
| 4                | FORGE R/ELBOW            |    | 15 | FORGE HEX NIPPLE                         |                      | 4  | UNION       |    |  |  |  |
| 5                | FORGE R/TEE              |    | 16 | FORGE R/SOCKET                           |                       | 5  | RE-ELBOW    |    |  |  |  |
| 6                | FORGE CROSS              |    | 17 | FORGE R/BUSHING                          |                       | 6  | RE-TEE      |    |  |  |  |
| 7                | FORGE ELBOW M/F          |   | 18 | BRASS FOOT VALVE S/E<br>HY DUTY          |                      | 7  | RE-SOCKET   |   |  |  |  |
| 8                | FORGE ELBOW S/W#3000 L   |  | 19 | MS FORGE HOSE COLLAR                     |                     | 8  | HEX NIPPLE  |  |  |  |  |
| 9                | FORGE TEE S/W#3000 LBS   |  | 20 | PRESSER GAUGE 0 TO 300<br>2" DIAL BOTTOM |  | 9  | CROSS       |  |  |  |  |
| 10               | FORGE SOCKET S/W#3000    |  | 21 | SS Siphon pipe U Type                    |                     | 10 | 3-WAY ELBOW |  |  |  |  |
| 11               | FORGE UNION S/W#3000 LBS |  | 22 | SS Siphon pipe Q Type                    |                    | 11 | 4-WAY TEE   |  |  |  |  |





| MATERIAL                                                                                                                          | PRODUCT                                                      |
|-----------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|
| GI,MS,UPVC<br>GI,MS,PVC,UPVC,CPVC<br>BRASS,SS,IBR,GM,CI                                                                           | COLUMNS / FLANGES<br>PIPES & FITTINGS<br>ALL TYPES OF VALVES |
| MANUFACTURE                                                                                                                       |                                                              |
| ALL TYPES OF BUTTWELDED TEES.<br>ALL TYPES OF MS PATA CLEMPs,<br>ALL TYPES OF BORE WELL FITTINGS.<br>ALL TYPES OF FLANGED COLUMNS |                                                              |
| OTHERS                                                                                                                            |                                                              |
| PUMPS, PACKING SHEETS, NUT-BOLTS, SANATORY WARE,<br>WELDING RODS, CP FITTINGS, SANATORY WARE, BEARINGS, ANCHOR FASTNERS           |                                                              |



**OFFICE**

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