

# SLUICE VALVE

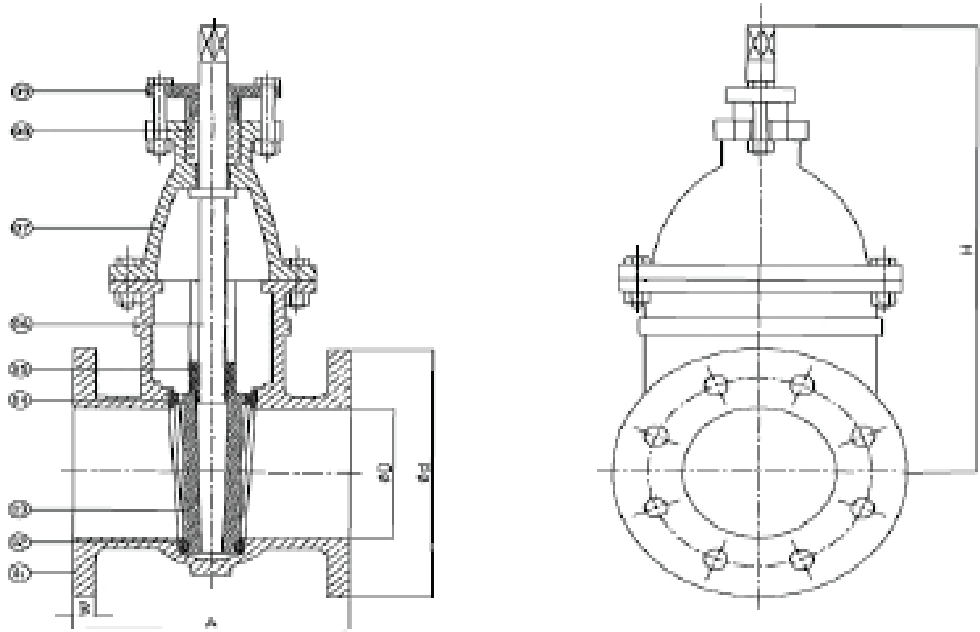
## Cast Iron (Flanged) - PN10

### SALIENT FEATURES

- Design Standard : IS 14846 - PN10
- Handwheel Operated
- Bolted Bonnet, Inside Screw, Non-Rising Stem
- Cast Iron Body
- Rigid and Sturdy Design
- Brass Seat Rings
- Flanged End Connection

### SPECIFICATIONS

|                             |                       |
|-----------------------------|-----------------------|
| Sizes                       | DN50-DN600            |
| Nominal pressure            | PN10                  |
| Medium Temperature          | -10°C ~ +45°C Maximum |
| Body Material               | Cast Iron             |
| Stem Material               | ASTM A276 TYPE 410    |
| Disc Material               | IS 210 Gr. FG200      |
| Leakage Rate                | No visible leakage    |
| Medium Type                 | Water                 |
| Flange standard             | IS 1538               |
| Test Pressure (Hydrostatic) |                       |
| Shell Test pressure         | 15 bar                |
| Seat Test pressure          | 11 bar                |



PART DESCRIPTIONS

| PT. NO. | PART NAME     | MATERIAL         | SPECIFICATION         | QTY.     |
|---------|---------------|------------------|-----------------------|----------|
| 1       | BODY          | CAST IRON        | IS 210 GR. FG200      | 1        |
| 2       | BODY SEAT     | BRASS            | BRASS                 | 2        |
| 3       | WEDGE         | CAST IRON        | IS 210 GR. FG200      | 1        |
| 4       | WEDGE RING    | BRASS            | BRASS                 | 2        |
| 5       | WEDGE NUT     | GUN METAL BRONZE | BSEN 1982 CC491K(LG2) | 1        |
| 6       | STEM          | STAINLESS STEEL  | ASTM A276 TYPE 410    | 1        |
| 7       | BONNET        | CAST IRON        | IS 210 GR. FG200      | 1        |
| 8       | GLAND PACKING | RUBBER           | EPDM / NBR - ORING    | 3        |
| 9       | GLAND         | CAST IRON        | IS 210 GR. FG200      | 1        |
| 10      | HANDWHEEL     | CAST IRON        | IS 210 GR. FG200      | 1        |
| 11      | FASTENER      | MILD STEEL       | MS                    | TO SUITE |

OUTSIDE DIMENSION MM (INCH)

| SIZE             | RATING | 50<br>(2") | 65<br>(2-1/2") | 80<br>(3") | 100<br>(4") | 125<br>(5") | 150<br>(6") | 200<br>(8") | 250<br>(10") | 300<br>(12") | 350<br>(14") | 400<br>(16") | 450<br>(18") | 500<br>(20") | 600<br>(24") |
|------------------|--------|------------|----------------|------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| A                | PN10   | 178        | 190            | 203        | 229         | 254         | 267         | 292         | 330          | 356          | 381          | 406          | 432          | 457          | 508          |
| B                | PN10   | 20         | 20             | 22         | 24          | 26          | 26          | 26          | 28           | 28           | 29           | 30           | 32           | 33           | 36           |
| H                | PN10   | 365        | 380            | 425        | 470         | 485         | 595         | 725         | 835          | 910          | 1020         | 1110         | 1200         | 1300         | 1500         |
| ØD               | PN10   | 50         | 65             | 80         | 100         | 125         | 150         | 200         | 250          | 300          | 350          | 400          | 450          | 500          | 600          |
| ØD               | PN10   | 165        | 185            | 200        | 220         | 250         | 285         | 340         | 395          | 445          | 505          | 565          | 615          | 670          | 780          |
| PCD              | PN10   | 125        | 145            | 160        | 180         | 210         | 240         | 295         | 350          | 400          | 460          | 513          | 565          | 620          | 725          |
| HANDWHEEL<br>DIA | PN10   | 225        | 225            | 225        | 320         | 320         | 320         | 360         | 400          | 400          | 500          | 640          | 720          | 720          | 720          |
| ~WT IN KG        |        | 17.5       | 19             | 24         | 38          | 51          | 64          | 105         | 195          | 276          | 350          | 410          | 480          | 560          | 640          |

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