

**DUAL SLURRY SWING CHECK VALVE**



**DUAL's** Slurry Swing Check Valve operates on the discharge side of the pump as the flow through the pipeline starts or stops. The disc automatically rises and falls, opening and closing the valve. This occurs without noticeable shock or hammer, regardless of the line pressure or the speed of closure.

The Dual Slurry Swing Check Valve is particularly well suited for harsh highly abrasive flow control applications in liquid-solid and gas-solid pneumatic conveying services where long valve life and low maintenance are desired. The disc and seat are replaceable.

**FEATURES**

- Disc self-adjusts to flow.
- Long operating life due to the disc out of flow.
- Seals in one direction.
- Seals in zero back pressure.
- Virtually no pressure drop.
- Eliminates pipe hammer.
- Long seat life due to seat out of process flow.
- Flush ports.
- Drip-tight shut off.
- Full bore design with low friction loss and high flow capacity.
- Virtually maintenance free due to the simple design.
- Replaceable disc (single wearing part).
- Various lining options.
- Custom bodies for special applications.
- Replaceable disc and seat sleeve.

**PRODUCT SPECIFICATION**

**BODY:** Fabricated Carbon Steel, Cast SG Iron or Aluminium.

**REPLACEABLE SEAT SLEEVE:** Rubber or Urethane.

**DISC MATERIAL:** Stainless Steel, Urethane or Rubber coated.

**BODY LINING:** Gum Black, Red Rubber, EPDM, Butyl, Chlorobutyl, Neoprene, Ceramic, Polyurethane, Viton or Hypalon.

**PRESSURE RATING:** 16, 25, 40, 60 and 100 Bar.

**SIZE RANGE:** 50mm - 600mm.

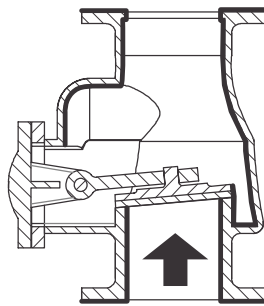
**DRILLING PATTERNS:** Drilled to SABS, ANSI BS or DIN.

**TEMPERATURE:** -50°C to 180°C.

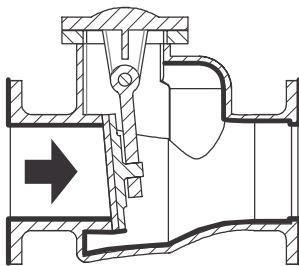
**300#/25 BAR SLURRY APPLICATION**



## INSTALLATION

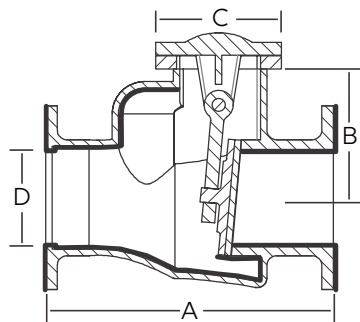


VERTICAL  
INSTALLATION



HORIZONTAL  
INSTALLATION

## DIMENSIONS AND SPECIFICATIONS



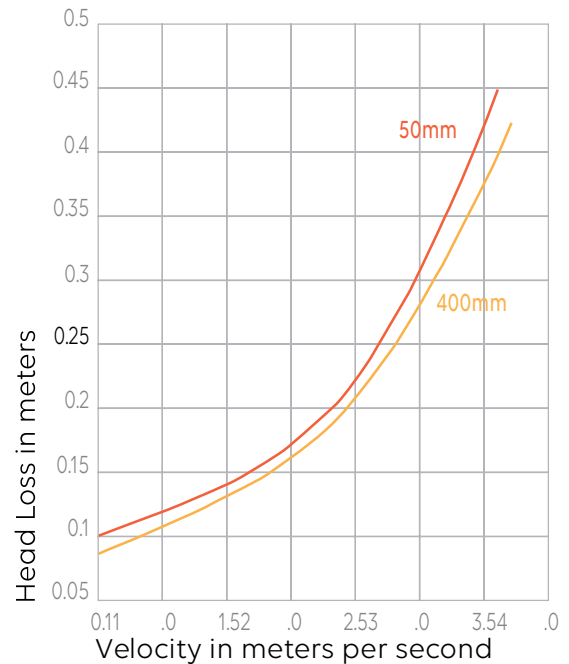
| SIZE (mm) | F/F A                              | B   | C   | D   | WEIGHT (kg) |
|-----------|------------------------------------|-----|-----|-----|-------------|
| 50        | 230                                | 135 | 181 | 50  | 20          |
| 80        | 305                                | 176 | 229 | 80  | 40          |
| 100       | 355                                | 196 | 267 | 100 | 50          |
| 150       | 445                                | 246 | 333 | 150 | 100         |
| 200       | 535                                | 310 | 413 | 200 | 150         |
| 250       | 635                                | 366 | 502 | 250 | 250         |
| 300       | 760                                | 402 | 584 | 300 | 350         |
| 350       | 865                                | 485 | 610 | 350 | 590         |
| 400       | 865                                | 560 | 673 | 400 | 750         |
| 450       | Larger sizes available on request. |     |     |     |             |
| 500       |                                    |     |     |     |             |
| 600       |                                    |     |     |     |             |

Dimensions and weights are for guidance only - detailed dimension drawings available on request. All dimensions are in millimeters, unless stated.

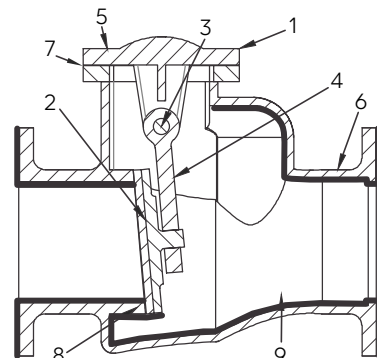
## APPLICATIONS

- Mining and mineral processing.
- Power generation.
- Sand and gravel.
- Chemical and soda ash.
- Pulp and paper.
- Environmental and effluent.
- Water and wastewater.

## VALVE HEAD LOSS VALUES



|   | PART           | DESCRIPTION                    |
|---|----------------|--------------------------------|
| 1 | Body/Cover     | Fabrication                    |
| 2 | Check disc     | Stainless Steel, Rubber coated |
| 3 | Hinge          | Stainless Steel, Rubber coated |
| 4 | Hinge pin      | 304 Stainless Steel            |
| 5 | Bolts and nuts | Cadmium plated steel           |
| 6 | Seat sleeve    | Rubber and Urethane            |
| 7 | Body gasket    | 'O' Ring                       |
| 8 | Paint          | Epoxy                          |
| 9 | Body lining    | Rubber, Urethane or Ceramic    |



CORPORATE HEADQUARTERS:  
166 ROTTERDAM ROAD  
(CNR ROTTERDAM ROAD & ANTWERP STREET)  
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