

# BUTTERFLY VALVE



## UNMATCHED QUALITY

### APPLICATIONS

- ☒ Water treatment plants
- ☒ Water distribution systems
- ☒ Sewage plants
- ☒ Power stations
- ☒ Chemical industries
- ☒ Steel mills
- ☒ Sugar factories / Breweries
- ☒ Textile industries
- ☒ Food processing industries
- ☒ Cement industries
- ☒ Paper mill



### QUALITY FEATURES

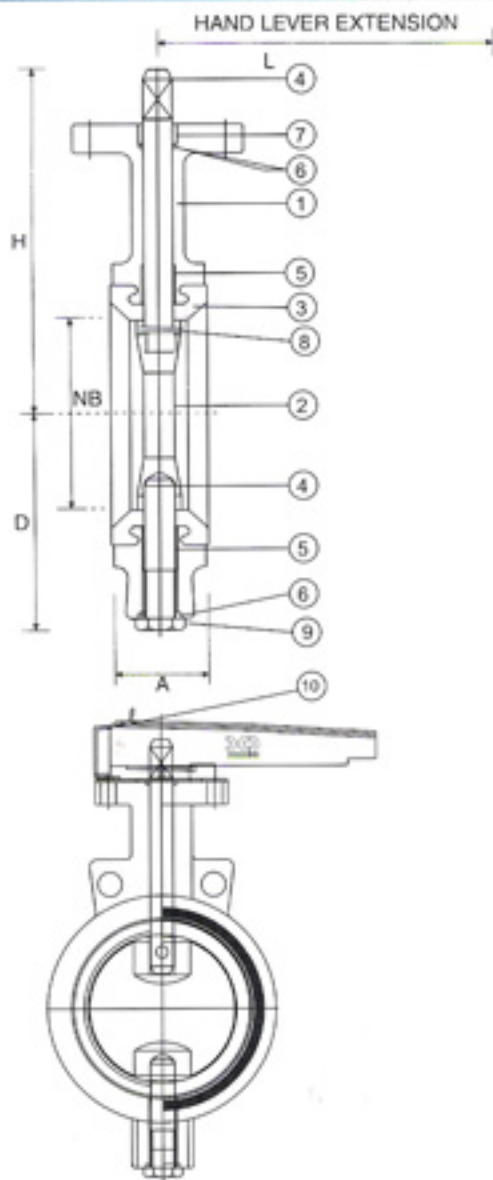
- ☒ Excellent flow control in quarter turn operation.
- ☒ Compact space saving design.
- ☒ Low weight, low maintenance, long service life.
- ☒ Both shafts mounted in bearing supports for easy operating torques.
- ☒ Replaceable / Bonded seat options.
- ☒ Suitable for mounting between all standard flanges.
- ☒ Gasket packing not required to install between flanges.

## H.P. Valves Mfg. Co.

Ahmedabad, India.



# BUTTERFLY VALVE



## MATERIALS OF CONSTRUCTION

| PART | DESCRIPTION | STD MODE OF CONSTRUCTION                                         | OPTIONS                                                                            |
|------|-------------|------------------------------------------------------------------|------------------------------------------------------------------------------------|
| 1    | BODY        | Cast Iron, GG-25/<br>IS - 210FG - 260/<br>BS - 1452 Gr. 260/     | SG Iron GGG 40<br>Cast Steel (WCB)<br>Stainless Steel CF8/CF8M                     |
| 2    | DISC        | SG Iron, GGG - 40/<br>SG - 1865 SG400/12/<br>BS - 2789 Gr.420/12 | Cast Steel (WCB)<br>Stainless Steel CF8/CF8M<br>Aluminum Bronze IS 305 Gr2         |
| 3    | SEAT        | Black Nitrile                                                    | EPDM, Neoprene, Viton,<br>Silicon<br>Hypalon or as per customer's<br>Requirements. |
| 4    | SHAFT       | AISI 410                                                         | AISI 304 / AISI 316                                                                |
| 5    | BEARING     | Self lubricating<br>phosphorous Bronze                           | PTFE                                                                               |
| 6    | 'O' RINGS   | Nitrile                                                          | EPDM, Neoprene                                                                     |
| 7    | BUSH        | Polyacetal                                                       | PTFE                                                                               |
| 8    | TAPER PIN   | AISI 410                                                         | AISI 304 / AISI 316                                                                |
| 9    | PLUG        | Carbon Steel                                                     | -                                                                                  |
| 10   | HAND LEVER  | SG Iron / C.I.                                                   | Cast steel, S.S.                                                                   |

## DIMENSION CHART

| Size (DN) |     |     |     |     |             |
|-----------|-----|-----|-----|-----|-------------|
| NB        | A   | D   | H   | L   | WT / ( Kg ) |
| 40        | 33  | 66  | 106 | 250 | 3.1         |
| 50        | 43  | 70  | 113 | 250 | 3.7         |
| 65        | 46  | 76  | 121 | 250 | 4.5         |
| 80        | 46  | 89  | 129 | 250 | 4.8         |
| 100       | 52  | 96  | 147 | 250 | 6.0         |
| 125       | 56  | 109 | 158 | 250 | 7.9         |
| 150       | 56  | 133 | 176 | 315 | 11.0        |
| 200       | 60  | 158 | 200 | 315 | 15.5        |
| 250       | 68  | 194 | 245 | 500 | 27.0        |
| 300       | 78  | 219 | 270 |     | 36.0        |
| 350       | 78  | 260 | 321 |     |             |
| 400       | 100 | 290 | 348 |     |             |
| 450       | 108 | 320 | 373 |     |             |
| 500       | 127 | 360 | 410 |     |             |
| 600       | 149 | 420 | 470 |     |             |

Quoted on request

## TECHNICAL DATA

|                                   |                                          |
|-----------------------------------|------------------------------------------|
| PRESSURE RATING                   | PN 10 & PN 16                            |
| PRESSURE TESTING                  | a) Body : 1.5 x PN<br>b) Seat : 1.1 x PN |
| TEMPERATURE                       | (-) 40° C to 200° C                      |
| FACE TO FACE<br>DIMENSION         | ISO - 5752 / IS - 13095 /<br>BS - 5155   |
| TO SUIT FLANGES<br>DRILLED AS PER | IS, ANSI, BS,<br>DIN Standards           |
| OPERATION                         | Bi-directional                           |
| PAINTING                          | Epoxy coated                             |

## ORDERING DATA

- Size of valve.
- M.O.C. for body, disc & seat.
- If any specific change to standard material of other parts.
- Operation manual / Gearbox / Actuator (give details of Actuator).
- Details of flow medium i.e., name, temperature, pressure.

Mfg. by  
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