



# BUTTERFLY VALVE

DUCTILE IRON, FULLY LUGGED, GEAR OPERATED, PN16

Model Number: **MV20-221**



## FEATURES / CHARACTERISTICS

|                |                                                                                                              |
|----------------|--------------------------------------------------------------------------------------------------------------|
| Design         | BS EN593                                                                                                     |
| Rating         | PN16                                                                                                         |
| Connection     | BS EN558-1 Face to Face series 20, Flanged to BS EN1092-2, PN16 (ex BS 4504), Top Flange conform to ISO 5211 |
| Working Medium | Water, Oil and Steam                                                                                         |

Fully Lugged Design, Wafer Type, Gear Operated  
Epoxy Coated, Replaceable Liner, EPDM Lined  
Suitable to mount between PN16 Flanges

## ON REQUEST

ANSI standards (subject to minimum order quantities).

## HYDROSTATIC TEST PRESSURE

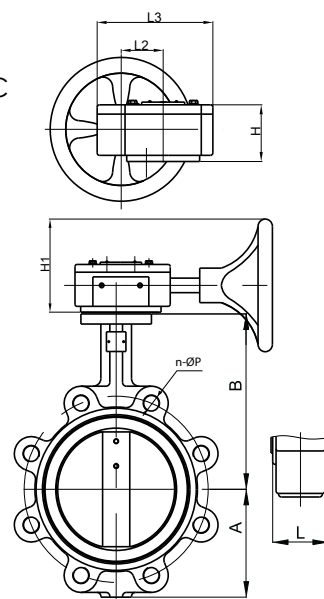
Shell- 24 bar  
Seat- 17.6 bar

## WORKING TEMPERATURE

16 Bar -10° C to 110° C water  
WRAS approved -10° C to 85° C

## MATERIAL SPECIFICATIONS

| SR. | PARTS     | MATERIAL        |
|-----|-----------|-----------------|
| 1   | Body      | Ductile Iron    |
| 2   | Disc      | DI/SS/Al-Br     |
| 3   | Shaft     | Stainless Steel |
| 4   | Seat      | EPDM/NBR        |
| 5   | O-Ring    | EPDM/NBR        |
| 6   | Bushing   | Bronze          |
| 7   | Gear      | Cast Iron       |
| 8   | Top Plate | Stainless Steel |



## DIMENSIONS (mm)

| Sizes |      | A   | B   | H   | H1  | L2  | L3  | L   | n-ØP   |
|-------|------|-----|-----|-----|-----|-----|-----|-----|--------|
| DN    | inch |     |     |     |     |     |     |     |        |
| 150   | 6"   | 139 | 226 | 65  | 113 | 45  | 129 | 55  | 8xM20  |
| 200   | 8"   | 175 | 260 | 70  | 182 | 62  | 171 | 60  | 12xM20 |
| 250   | 10"  | 203 | 292 | 70  | 182 | 62  | 171 | 67  | 12xM24 |
| 300   | 12"  | 242 | 337 | 77  | 182 | 85  | 198 | 76  | 12xM24 |
| 350   | 14"  | 267 | 368 | 77  | 182 | 85  | 198 | 76  | 16xM24 |
| 400   | 16"  | 316 | 400 | 103 | 247 | 120 | 280 | 102 | 16xM27 |
| 450   | 18"  | 334 | 422 | 103 | 247 | 120 | 280 | 114 | 20xM27 |
| 500   | 20"  | 370 | 480 | 143 | 270 | 122 | 316 | 127 | 20xM30 |
| 600   | 22"  | 468 | 562 | 143 | 270 | 122 | 316 | 151 | 20xM33 |

\*All dimensions are nominal (indicative)  
Actual dimensions may vary