

FLUIDCHEM VALVES (I) Pvt. Ltd.

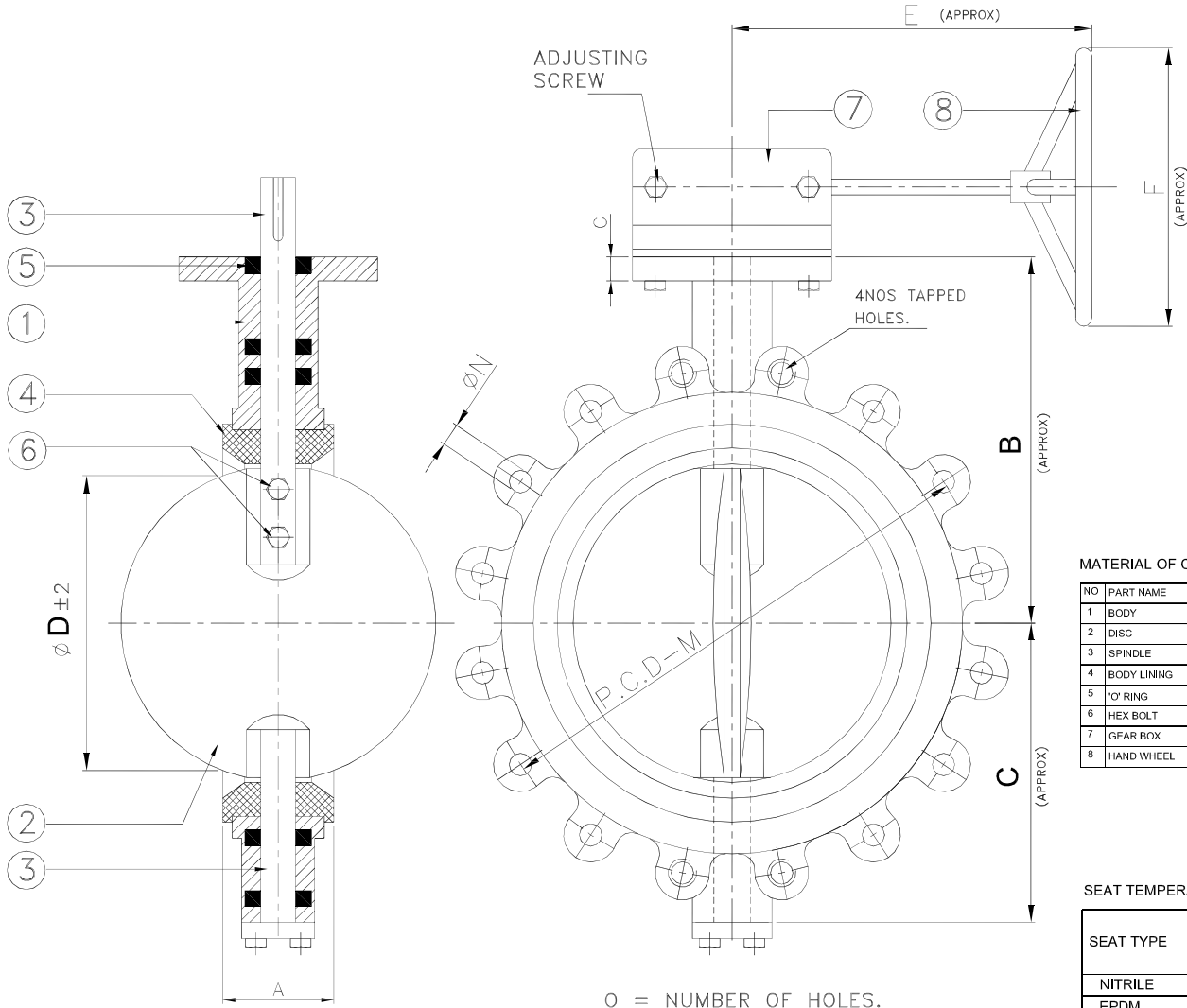
ISO 9001-2008 COMPANY

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DRN NIZAM DATE 27/07/2013

LUG TYPE BUTTER FLY VALVE.

DRG. NO :FVIL/BFV-LUG/350-450



NOTE : ALL DIMENSION ARE IN MM.

MATERIAL OF CONSTRUCTION

| NO | PART NAME | MATERIAL |
|----|-------------|--|
| 1 | BODY | CAST IRON/CAST STEEL/S.S.304-316 |
| 2 | DISC | CAST IRON/CAST STEEL/S.S.304-316 |
| 3 | SPINDLE | SS 410/304/316 |
| 4 | BODY LINING | NITRILE/E.P.D.M./SILICON/VITON/HYPALON |
| 5 | 'O' RING | NITRILE / E.P.D.M. |
| 6 | HEX BOLT | S.S.304/316 |
| 7 | GEAR BOX | CAST IRON |
| 8 | HAND WHEEL | M.S. FABRICATED |

SEAT TEMPERATURE RANGE

| SEAT TYPE | TEMPERATURE RANGE | |
|-----------|-------------------|--------------|
| | Min. | Max. |
| NITRILE | -13°F(-25°C) | 212°F(100°C) |
| EPDM | -13°F(-25°C) | 250°F(120°C) |
| SILICON | -58°F(-50°C) | 356°F(180°C) |
| VITON | -23°F(-5°C) | 392°F(200°C) |
| HYPALON | -4°F(-20°C) | 250°F(120°C) |

TESTING

| PRESSURE RATING | HYDROSTATIC SHELL TEST | | HYDROSTATIC SEAT TEST | |
|-----------------|------------------------|-----|-----------------------|-----|
| | Kg/CM2 | PSI | Kg/CM2 | PSI |
| PN16 | 22 | 310 | 16 | 225 |
| PN10 | 15 | 210 | 10 | 140 |

NOTE:-M,N,O AS PER REQUIREMENT

M = _____
N = _____
O = _____

| SIZE | | A | | | B | C | D | E | F | G | FLANGE MOUNTING (I.S.O 5211) |
|------|------|-------------------------|-------------------------|------|-----|-----|-----|-----|-----|----|------------------------------|
| MM | INCH | CATEGORY-A FACE TO FACE | CATEGORY-B FACE TO FACE | | | | | | | | |
| | | | 150# | 300# | | | | | | | |
| 350 | 14" | 92 | 92 | 117 | 320 | 272 | 330 | 300 | 350 | 22 | F12 |
| 400 | 16" | 102 | 102 | 133 | 385 | 302 | 375 | 305 | 500 | 22 | F14 |
| 450 | 18" | 114 | 114 | 149 | 405 | 325 | 425 | 305 | 500 | 24 | F14 |

CONFORMITY TO CODES & STANDARDS

- GENERAL DESIGN & MANUFACTURE :- BS 5155 / API 609 / EN 593 / IS 13095
- VALVE FACE TO FACE DIMENSION :- BS 5155 / ISO 5752 / API 609
- TOP FLANGE DRILLING :- ISO 5211
- VALVE INSPECTION & TESTING :- BS 6755 Part - I / API 598 / EN 12266-1
- FLANGE STANDARD CONFORMITY :- ANSI 150 / ANSI 125 / BS 10 TAB D & E
IS 6392 NP 0.6 / 1.0 / 1.6

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