



UPC-BDV-463
UPC-BDV-483

PARALLEL SLIDE BLOW OFF VALVE

Design Features:

- Rack and Pinion Operated with Key.
- Renewable Seat.
- Renewable Disc.
- Efficient removal of solid impurities and sediments from boiler systems

Operation Modes:

- Manual hand lever with locking mechanism
- Optional automatic blowdown via control valve and TOS sensor

Size Range:

- 25mm | 40mm | 50mm

Pressure Rating:

- PN40 & Class 300#

End Connection:

- Flanged ends as per BS 10 Table 'J' standards/ CL-300#

Material & Design:

- Built for high durability and performance under extreme pressure and temperature conditions

Benefits:

- Improves boiler efficiency
- Reduces corrosion risks
- Minimizes chances of system failure
- Ensures clean and safe boiler operation

Application:

- Trusted across diverse industrial sectors for steam system maintenance
- Water Supply & Solvent Industries
- Oil Industries
- Process Industries

Water Steam Oil Air



Test Certificate in Form III_C as per IBR is Furnished with every supply

UPC INSTRUMENTS PVT.LTD.
AN ISO 9001:2015, 14001-2015 CE & TÜV SÜD CERTIFIED COMPANY



PARALLEL SLIDE BLOW OFF VALVE TABLE 'J'



PART LIST

| S NO | PART NAME | MATERIAL | SPECIFICATION |
|------|-------------------|-----------------|-------------------|
| 1. | Body | C.C.S. | ASTM A216 Gr. WCB |
| 2. | Seat Ring | Stainless Steel | AISI - 316 |
| 3. | Valve Disc | Stainless Steel | AISI - 304 |
| 4. | Spring | Stainless Steel | AISI-304 |
| 5. | Rack | Carbon steel | ASTM A216 Gr. WCB |
| 6. | Gasket | Graphite + SS | GRAPHITE + SS |
| 7. | Bonnet Bolt | Carbon steel | ASTM A216 Gr. WCB |
| 8. | Bonnet | Carbon steel | ASTM A216 Gr. WCB |
| 9. | Pinion | S.S. | AISI - 304 |
| 10. | Bush | GUN METAL | GUN METAL |
| 11. | Rack Plug | Carbon Steel | ASTM A216 Gr. WCB |
| 12. | Handle | Carbon Steel | ASTM A216 Gr. WCB |
| 13. | Stuffing Box | Carbon steel | ASTM A216 Gr. WCB |
| 14. | Stuffing Box Bolt | Carbon steel | ASTM A216 Gr. WCB |
| 15. | Gland Packing | Graphite | GRAPHITE |
| 16. | Washer | Stainless Steel | AISI - 304 |
| 17. | Pinion Plug | Carbon steel | ASTM A216 Gr. WCB |

TEST PRESSURE:

Maximum Pressure at 400°C

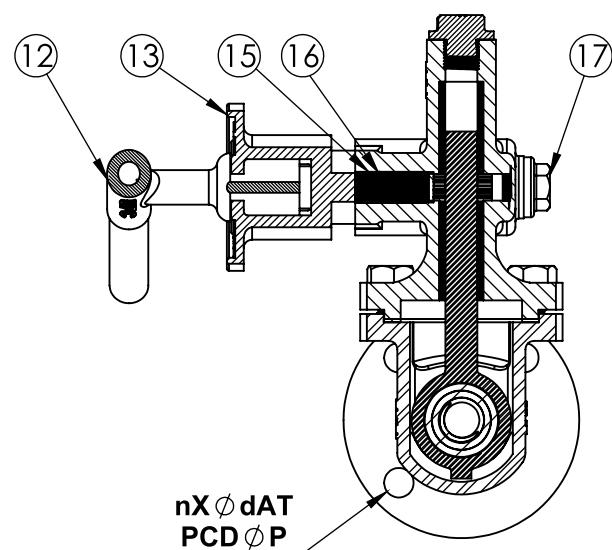
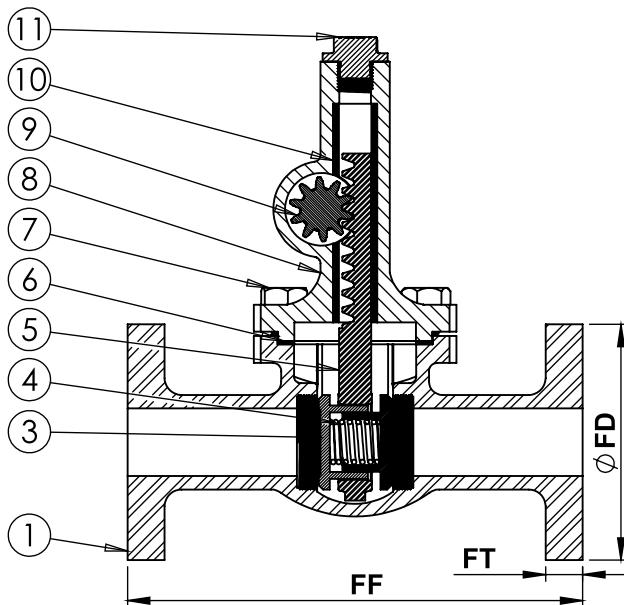
| TYPE OF TEST | PRESSURE (KG/CM ²) |
|----------------------|--------------------------------|
| Body | 49.20 Kg/cm ² |
| Seat | 24.60 Kg/cm ² |
| Max Working Pressure | 24.60 Kg/cm ² |

DIMENSIONS:

| NOMINAL SIZE: TABLE 'J' | | | | | | | Model - UPC-BDV-463 |
|-------------------------|------------|-------|--------|-------|---|------|---------------------|
| Inches | Size in mm | FF ±2 | ØFD | ØP | n | Ød | FT |
| 1 " | 25 | 184 | 120.7 | 87.3 | 4 | 19 | 19 |
| 1 1/2 | 40 | 272 | 139.70 | 105.5 | 4 | 18 | 22 |
| 2 " | 50 | 290 | 165.1 | 127 | 4 | 22.3 | 25.40 |

| NOMINAL SIZE: CLASS 300# | | | | | | | Model - UPC-BDV-483 |
|--------------------------|------------|-------|-------|------|---|------|---------------------|
| Inches | Size in mm | FF ±2 | ØFD | ØP | n | Ød | FT |
| 1 " | 25 | 178 | 125 | 88.9 | 4 | 19.1 | 16 |
| 1 1/2 | 40 | 270 | 155.5 | 115 | 4 | 22.4 | 20.5 |
| 2 " | 50 | 284 | 165.1 | 127 | 4 | 19.1 | 22.4 |

*All dimensions are in mm unless and otherwise specified.



WARRANTY

All the valves are warranted against any manufacturing defect for a period of 12 months from date of supply, provided the valves has not been misused, damaged, installed for services it is not recommended or the seal has been tempered with. The company shall be liable to furnish part/ parts thereof or full Valve as the company may deem fit.



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