

BERMAD

FIRE PROTECTION CONTROL VALVES

FP 400Y TORRENT DELUGE VALVES



BERMAD Fire Protection

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Bermad is proud to introduce the FP 400Y Torrent Deluge Valve. For years, Bermad's Fire Protection valves have been protecting numerous High Hazard On-shore and Off-shore facilities worldwide.

The FP 400 elastomeric globe valves are known for their reliable, long-lasting performance, their ease of installation, inspection and service and their advanced features that led these valves to be the default valve for our customers.

The FP 400Y Torrent Deluge Valve increases the operation envelope of the FP 400 family and takes the solutions provided by these valves a major step forward toward meeting the ever evolving technological market challenges and new international standards including ISO 6182, CEN and others.

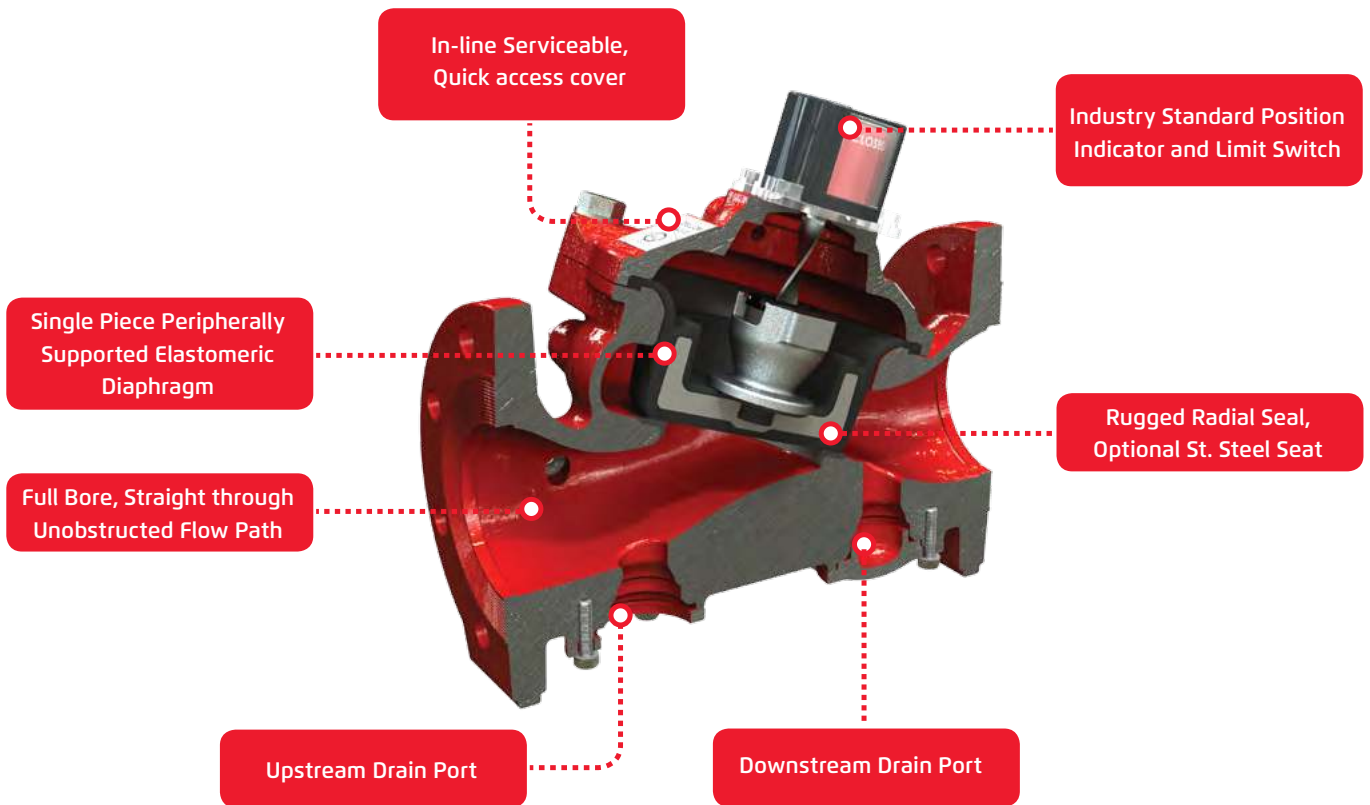
While maintaining the FP 400's technological advantages and features, the Torrent Deluge Valve has an improved flow coefficient Kv, supports higher pressure classes and lets for even easier and quicker in-line service. The Torrent has improved the FP 400's unique position indicator by adapting it to the industrial quarter-turn standard, allowing the valve to Interface with any monitoring system while preserving its visual position indication. The Torrent is also equipped with a wide range of limit switches and state of the art accessories.

As a leading and ever-improving fire protection applications manufacturer, we are successfully protecting the most precious assets and resources of the High Hazard industry. In the past few decades our FP 400 deluge valves excelled in protecting facilities in the Oil & Gas, Power and Petrochemical industries all over the world.

Our 9 global subsidiaries, operating in over 80 countries and 6 continents, play a key role in our customer's high satisfaction rate. With our long term experience, market presence, reliability and service we at Bermad Fire Protection attained our customers' trust and confidence where the success of the 400E valves contributed to this prestigious achievement.

For further information please check our website <http://www.bermad.com/products/fire-protection> or contact your dealer or company representative.





Features & Benefits

- Simple, time proven - Fail Safe Open FP 400 design
- No mechanical moving parts - High Reliability and Increased Safety
- Single Piece Molded Elastomeric Diaphragm Seal - No maintenance required
- Full Bore, Linear Flow, Unobstructed Flow path - High Capacity Flow and higher Kv
- Quick cover release, No trim dismantling needed – Minimal down time
- In-Line serviceable - Periodical Regulatory NFPA regulatory Inspection friendly
- Valve length standardized according to ISO 5752/EN 558-1
- Complies with latest international standards including ISO 6182 CEN and others

Optional Accessories

- Industrial modular Visual Position Indicator
- Valve Position Single/Double Limit Switch (True Valve Position Indication)
- Alarm pressure switch
- Sea Water Service, Special Materials
- Drain Valves (Upstream & Downstream for easy system drainage)

Pressure Ratings

| Valve Ends | Standard | Class | Max Working Pressure |
|-------------------|--|-------|----------------------|
| | | | psi |
| Standard Pressure | Flanged ASME/ANSI B16.5 / 16.42 / PN16 | #150 | 235 |
| High Pressure | Flanged ASME/ANSI B16.5 / 16.42 / PN25 | #300 | 365 |

Flow Properties

| Size | 2" | 3" | 4" | 6" | 8" | 10" | 12" | 14" | 16" |
|---------|---------|-----------|-----------|-----------|-------------|-------------|-------------|-------------|-------------|
| Kv (Cv) | 80 (92) | 190 (219) | 345 (398) | 790 (912) | 1160 (1340) | 1355 (1565) | 2370 (2737) | 2850 (3292) | 3254 (3758) |

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