

400 Series

Deluge, Pre-Action
& Dry Pipe

Model FP-400E-7BM

Double Interlock Pre-action Electric-Electric Release System

BERMAD double-interlock, pre-action, electric-electric release fire protection system for buildings is designed for use in sensitive or valuable properties where accidental activation may cause substantial water damage.

The WW-400E-WBF-7BM system controls dry pipe sprinklers that include an electric fire detection unit and an electric supervised device for detecting low piping air pressure. The system admits water into the sprinkler piping only when both the fire detection unit and the low air pressure device simultaneously signal the control panel to trigger the solenoid valve.



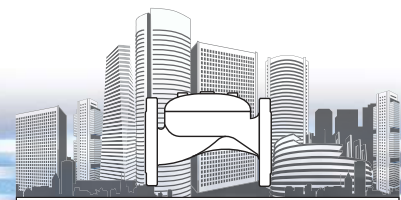
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For illustration only

Typical Application

- Controlling sprinkler systems in spaces sensitive to accidental water damage in buildings such as libraries, museums, archives and even private homes
- Controlling sprinkler systems in critical areas such as technical floors, computer and electronics rooms, telecommunications equipment, transformer rooms and other similar facilities where accidental water release can cause a significant damage
- Controlling sprinkler systems installed under freezing conditions and in cold storage facilities where fire protection pipelines are kept empty while not in use



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Features and Benefits

- Compact structure with small footprint specially designed for vertical installation in tight and confined spaces such as water cabinets and technical floors
- Integral factory assembled unit – easy and simple installation reduce assembly errors and logistics difficulties
- Factory calibrated and adjustable on site, saving time and reducing engineering, operating and inspection workloads
- Hydraulic latch open – patented “easy lock” closes only upon local manual reset
- Drip check and leak control – visual and electrical indication of leaking valve
- In-line check valve – intermediate vented chamber provides anti-flood protection
- High quality construction materials ensure reliable long lasting operation
- Fully supported and balanced rolling diaphragm – low actuation pressure and excellent low flow regulation performance
- Immediate valve response – ensures operation after long standby periods; specially designed for fire protection systems
- Integral drain port – external drain valves not required

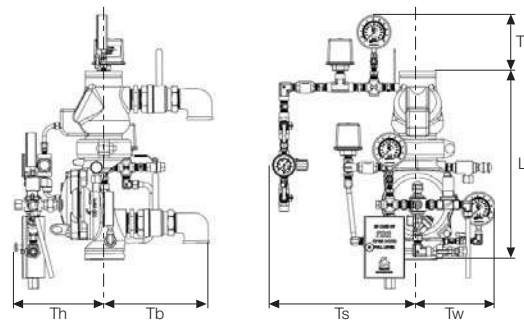
Technical Data

Size		Kv	L1 ⁽¹⁾	L4 ⁽²⁾	Tl	Tw	Ts	Th	Tb
DN	Inch								
50	2"	57	377	377	150	208	363	205	230
80	3"	136	450	443	149	223	367	241	300
100	4"	204	536	536	150	233	372	261	317
150	6"	458	720	720	135	272	398	336	338
200	8"	781	865	N/A	135	326	428	407	405

Notes:

⁽¹⁾ L1 is for flanged ANSI #150 and ISO PN16.

⁽²⁾ L4 is for grooved end connections (Ductile Iron Only).



End Connections:

Grooved: ANSI/AWWA C606

Optional: Flanged ANSI B16.42 (Ductile Iron), ISO PN16

Pressure Rating: Max. working pressure: 250 psi (17 bar)

* Pressure rating might be limited due to solenoid valve rating

Valve Pattern: Globe

Water Temperature: Water up to 50°C (122°F)

Main Construction Materials:

Body, cover & Actuator: Ductile Iron ASTM A-536

Internals: Stainless Steel & Elastomer

Control Trim System: Brass control components / accessories

Copper & Brass tubing & fittings

Optional: Stainless Steel 316

Elastomers: Nylon fabric reinforced polyisoprene NR

Coating / colour: Electrostatic Powder Coating Polyester Red

For other optional materials consult BERMAD

How to Order

Please specify the requested valve in the following sequence:

Size	Model	Category	End Connections
<input type="text"/>	400E-7BM	BF	<input type="text"/>
2" 3" 4" 6" 8"			ANSI C606 V1



For full technical specifications, see Engineering section or consult BERMAD

info@bermad.com • www.bermad.com

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