

Category		Code	Group	Model
Standard		FP	Classic Deluge with Local Reset <sup>(1)(2)</sup>	Hydraulically Controlled with Local Reset
Seawater		FS		Electrically Controlled with Local Reset
Foam Concentrate		FC		Electrically Controlled with 3/2 Local Reset Relay
				Pneumatically Controlled Deluge with Local Reset
				Hydraulically Controlled, Anti-Columning with Local Reset
				Electro-Pneumatically Controlled with Local Reset
			Pressure Control Deluge <sup>(1)(2)</sup>	Hydraulic Pressure Control with Local Reset <sup>(3)</sup>
				Electric Pressure Control with Local Reset <sup>(3)</sup>
				Electric Pressure Control, On-Off <sup>(3)</sup>
				Electro-Pneumatic Pressure Control <sup>(3)(9)</sup>
				Pneumatic Pressure Control <sup>(9)</sup>
			On-Off Deluge <sup>(1)(2)</sup>	Hydraulic Pressure Control, On-Off <sup>(3)</sup>
				Electrically Controlled, On-Off <sup>(3)</sup>
				Electrically Controlled, On-Off with Remote Reset <sup>(3)</sup>
				Electro-Pneumatically Controlled, On-Off <sup>(3)</sup>
			Monitor Valves	Pneumatically Controlled, On-Off
				Hydraulically Controlled, On-Off
				Locally Operated Monitor/Deluge <sup>(2)</sup>
			Pre-action Systems	Locally Operated
				Solenoid Activated, Remote Controlled
				Hydraulically Operated, Remote Controlled
			Pressure Control	Single Interlock Pre-action, Electric Release <sup>(2)(6)</sup>
				Double Interlock Pre-action, Electric-Electric Release <sup>(2)(6)</sup>
				Double Interlock Pre-action, Electric-Pneumatic Release <sup>(2)</sup>
				Pressure Reducing Valve <sup>(11)</sup>
				Pressure Differential Overflow Control Valve
				Pressure Relief Valve <sup>(4)</sup>
				Pressure Relief Valve <sup>(10)</sup>
			Pressure Relief Valve with Electric Override	
			Anti-Surge Pump Start Control Valve	
			Level	Differential Pressure Sustaining Valve <sup>(3)</sup>
				Level Control Valve with Modulating Horizontal Float
				Level Control Valve with Bi-Level Electric Float

  

Valve Size	
1½"	40 mm
2"	50 mm
2½"	65 mm
3"	80 mm
4"	100 mm
6"	150 mm
8"	200 mm
10"	250 mm
12"	300 mm

December 2023

# BERMAD Fire Protection Ordering Guide

Category	Code	Group	Model	Code
Standard	FP	Classic Deluge with Local Reset <sup>(1)(2)</sup>	Hydraulically Controlled with Local Reset	400E-1M
Seawater	FS		Electrically Controlled with Local Reset	400E-2M
Foam Concentrate	FC		Electrically Controlled with 3/2 Local Reset Relay	400E-3UM
			Pneumatically Controlled Deluge with Local Reset	400E-4M
			Hydraulically Controlled, Anti-Columning with Local Reset <sup>(5)</sup>	400E-5M
			Electro-Pneumatically Controlled with Local Reset	400E-6M
		Pressure Control Deluge <sup>(1)(2)</sup>	Hydraulic Pressure Control with Local Reset <sup>(3)</sup>	400E-1MC
			Electric Pressure Control with Local Reset <sup>(3)</sup>	400E-2MC
			Electric Pressure Control, On-Off <sup>(3)</sup>	400E-3DC
			Electro-Pneumatic Pressure Control <sup>(3)(9)</sup>	400E-6DC
			Pneumatic Pressure Control <sup>(9)</sup>	400E-4DC
			Hydraulic Pressure Control, On-Off <sup>(3)</sup>	400E-5DC
		On-Off Deluge <sup>(1)(2)</sup>	Electrically Controlled, On-Off <sup>(3)</sup>	400E-3D
			Electrically Controlled, On-Off with Remote Reset <sup>(3)</sup>	400E-3U
			Electro-Pneumatically Controlled, On-Off <sup>(3)</sup>	400E-6D
			Pneumatically Controlled, On-Off	400E-4D
			Hydraulically Controlled, On-Off	400E-5D
		Monitor Valves	Locally Operated Monitor/Deluge <sup>(2)</sup>	400E-1D
			Locally Operated	405-11
			Solenoid Activated, Remote Controlled	400E-3X
			Hydraulically Operated, Remote Controlled	400E-5X
		Pre-action Systems	Single Interlock Pre-action, Electric Release <sup>(2)(6)</sup>	400E-7M
			Double Interlock Pre-action, Electric-Electric Release <sup>(2)(6)</sup>	400E-7BM
			Double Interlock Pre-action, Electric-Pneumatic Release <sup>(2)(6)</sup>	400E-7DM
		Pressure Control	Pressure Reducing Valve <sup>(11)</sup>	420-00
			Pressure Differential Overflow Control Valve	426-02
			Pressure Relief Valve <sup>(4)</sup>	430-UF
			Pressure Relief Valve <sup>(10)</sup>	730-UF
			Pressure Relief Valve with Electric Override	430-59
			Anti-Surge Pump Start Control Valve	730-48-BL
			Differential Pressure Sustaining Valve <sup>(3)</sup>	436-00
		Level Control	Level Control Valve with Modulating Horizontal Float	450-60
			Level Control Valve with Bi-Level Electric Float	450-65
			Level Control Valve with Bi-Level Vertical Float	450-66
			Level Control Valve with Altitude Pilot <sup>(7)</sup>	450-82
		Foam Concentrate Control	Electrically Controlled <sup>(2)</sup>	400E-3U-N
			Electrically Controlled for High Viscosity <sup>(2)</sup>	700E-3U-BN
			Electrically Controlled Zero Pressure	700E-3X-B0-N
			Hydraulic Operated <sup>(2)</sup>	400E-5U-N
			Hydraulic Operated for High Viscosity <sup>(2)</sup>	700E-5U-BN
			Hydraulic Operated Zero Pressure	700E-5X-B0-N
			Pressure Sustaining for High Viscosity	730-VBeZ

FP      2"      400E-2M

Category	Code
Standard	FP
Seawater	FS
Foam Concentrate	FC

  

Valve Size	
1½"	40 mm
2"	50 mm
2½"	65 mm
3"	80 mm
4"	100 mm
6"	150 mm
8"	200 mm
10"	250 mm
12"	300 mm

**Notes:**

- (1) Add code "A" for Full Trim, including drain and indicating components ("A" items)
- (2) UL Listed for sizes 1½, 2, 2½, 3, 4, 6, 8 & 10"
- (3) Electric Remote Reset can be achieved by using Magna-Latch solenoid valve (add option code H2 or H3)
- (4) UL Listed and FM Approved for 2, 2½, 3, 4 & 6"
- (5) Add Elevation code after the model:  
 "M6" - Setting for Max elevation 35m/115ft  
 "M7" - Setting for Max elevation 70m/230ft
- (6) Pre-action & Dry Pipe Valves Including Full Trim (A) and Trimmed Check Valve
- (7) Altitude pilot adjustment Ranges : "M6" for 2-14 m (standard), "M5" for 5-22 m, "M4" for 15-35 m and "M8" for 25-70
- (8) Add "BL" suffix code
- (9) Local Manual Reset may be provided, add option code H to include this feature
- (10) UL Listed and FM Approved for 2, 2½, 3, 4 & 6"
- (11) In case of UL and/or FM approval requirement select 42T instead

**BERMAD Standard Configuration**



G		C		A5		PR		4DC		NN		7P7K	
<b>Valve Pattern</b>	<b>Code</b>	<b>Voltage - Main Valve Position (When Solenoid De-Energized)</b>		<b>Code</b>		<b>Options</b>		<b>Code</b>					
Universal (basic trim only)	G	24VDC - N.C. (Standard)		4DC		Pressure Switch, General Purpose <sup>(8)</sup>		P					
Vertical	V	24VDC - N.O.		4DO		Ex Proof Pressure Switch <sup>(8)</sup>		P7					
Horizontal	H	24VDC - Magna Latch		4DS		EExd ATEX Pressure Switch <sup>(8)</sup>		P9					
Oblique (700 only)	Y	110VDC - N.C.		5DC		Single Limit Switch, General Purpose		S					
Angle (700 only)	A	110VDC - N.O.		5DO		Single Ex Proof, Limit Switch		S7					
		110V/50-60 - N.C.		5AC		Single Ex d Proximity Limit Switch		S9					
<b>Body Material</b>	<b>Code</b>	110V/50-60 - N.O.		5AO		Double Ex d Proximity Limit Switch		SS9					
Ductile Iron (Standard)	C	220V/50-60 - N.C.		2AC		Double Ex d Proximity Limit Switch with SS junction Box		SS9Jn					
Cast Steel	S	220V/50-60 - N.O.		2AO		Pressure Gauge Assembly <sup>(8)</sup>		6					
Stainless Steel 316	N					S.S Glycerin Pressure Gauge Assembly <sup>(8)</sup>		6n					
Nickel Al. Bronze	U					Monel Pressure Gauge Assembly <sup>(8)</sup>		6m					
For others consult BERMAD.													
<b>End Connections</b>	<b>Code</b>	<b>Tubing &amp; Fittings</b>		<b>Code</b>									
ANSI #150RF (Standard)	A5	Stainless Steel 316 (Standard)		NN									
ANSI #150RF-SF <sup>(1)</sup>	AM	Monel		MM									
ANSI #150RFF-SF <sup>(1)</sup>	aM												
ANSI#150FF	a5												
ISO-PN16	16												
Grooved ANSI C-606-81 <sup>(2)</sup>	VI												
Notes:													
(1) Serrated Finish (SF) Bronze/Steel alloys as per MSS-SP-6, applicable for Uncoated S.Steel, Ni.A.Bronze and other high alloys only													
(2) For 2", 3", 4", 6" and 8" only For others consult BERMAD.													
<b>Coating</b>	<b>Code</b>												
High Build Epoxy Red	ER												
Zinc Based High Build Epoxy Red	ZR												
Uncoated	UC												

Notes:  
 (8) Instrument Supplied loose.  
 (9) Optional for Models 3D, 4D, 5D, 6D, 3DC, 4DC, 5DC & 6DC.  
 (10) NBR or EPDM - Consult BERMAD for availability.  
 (11) Not including Solenoid Valves & Pressure Gauges

### Separate Items & System Components

Description	BERMAD Catalog Number
Water Motor Alarm Assy. (W) w/Strainer for Deluge/Preaction System	9901240028
AMD-74, Air Maintenance Device w/Regulator for External Pressure Supply	TEX0000003
AMD-76 Air Maintenance Device Regulated By-Pass Pressure Supply	TEX0000009
Standard Manual Release Station Model-D w/S.S. 304 Box-Brass valve	2920400093
S.S. 316 Manual Release Station Model-DN w/S.S. 316 Box	2920451093

BERMAD Standard Configuration





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