

Fire Protection

FP

Category	Code
Standard	FP
Seawater	FS
Foam Concentrate	FC

2"

400E-2M

Group	Model
Classic Deluge	Electrically Controlled Deluge Valve with EasyLock Manual Reset ⁽¹⁾⁽²⁾⁽³⁾
	Electro-Pneumatically Controlled Deluge Valve with EasyLock Manual Reset ⁽¹⁾⁽²⁾⁽³⁾
	Pneumatically Controlled Deluge Valve with EasyLock Manual Reset ⁽¹⁾⁽²⁾⁽³⁾
	Hydraulically Controlled Deluge Valve with EasyLock Manual Reset ⁽¹⁾⁽²⁾
	Hydraulically Controlled, Anti-Columning Deluge Valve with EasyLock Manual Reset ⁽¹⁾⁽²⁾
Combination Pressure Control Deluge	Electric Pressure Control Deluge Valve with Manual
	Electric Pressure Control, On-Off Deluge Valve ⁽²⁾
	Electro-Pneumatic Pressure Control, On-Off Deluge
	Pneumatic Pressure Control, On-Off Deluge Valve ⁽²⁾
On-Off Deluge	Hydraulic Pressure Control, On-Off Deluge Valve ⁽²⁾
	Electrically Controlled, On-Off Deluge Valve ⁽²⁾
	Electro-Pneumatically Controlled, On-Off Deluge Valve
Hydrant	Pneumatically Controlled, On-Off Deluge Valve ⁽²⁾
	Hydraulically Controlled, On-Off Deluge Valve ⁽²⁾
	Hydraulic Hydrant Valve
	Locally Operated Monitor Valve
	Pressure Regulating Hydrant Valve

Nominal Size	Nominal Size
1/2"	50 mm
3/4"	65 mm
1"	80 mm
1 1/2"	100 mm
2"	150 mm
2 1/2"	200 mm
3"	250 mm
4"	300 mm



Ordering Guide

January 2011



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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

Group	Model	Code ⁽⁸⁾
Classic Deluge	Electrically Controlled Deluge Valve with EasyLock Manual Reset ⁽¹⁾⁽²⁾⁽³⁾	400E-2M
	Electro-Pneumatically Controlled Deluge Valve with EasyLock Manual Reset ⁽¹⁾⁽²⁾⁽³⁾	400E-3M
	Pneumatically Controlled Deluge Valve with EasyLock Manual Reset ⁽¹⁾⁽²⁾⁽³⁾	400E-4M
	Hydraulically Controlled Deluge Valve with EasyLock Manual Reset ⁽¹⁾⁽²⁾	400E-1M
	Hydraulically Controlled, Anti-Columning Deluge Valve with EasyLock Manual Reset ⁽¹⁾⁽²⁾	400E-5M
Combination Pressure Control Deluge	Electric Pressure Control Deluge Valve with Manual Reset ⁽¹⁾⁽²⁾	400E-2MC
	Electric Pressure Control, On-Off Deluge Valve ⁽²⁾	400E-3DC
	Electro-Pneumatic Pressure Control, On-Off Deluge Valve ⁽²⁾	400E-6DC
	Pneumatic Pressure Control, On-Off Deluge Valve ⁽²⁾	400E-4DC
	Hydraulic Pressure Control, On-Off Deluge Valve ⁽²⁾	400E-5DC
On-Off Deluge	Electrically Controlled, On-Off Deluge Valve ⁽²⁾	400E-3D
	Electrically Controlled, On-Off Deluge Valve with Electric Remote Reset Latch ⁽²⁾	400E-3D-RL
	Electro-Pneumatically Controlled, On-Off Deluge Valve ⁽²⁾	400E-6D
	Pneumatically Controlled, On-Off Deluge Valve ⁽²⁾	400E-4D
	Hydraulically Controlled, On-Off Deluge Valve ⁽²⁾	400E-5D
Manually Operated	Hydraulic Hydrant Valve	405-02
	Locally Operated Monitor Valve	405-11
	Pressure Regulating Hydrant Valve	420-HY
Remote Control	Solenoid Activated, Remote Controlled Monitor Valve	400E-3X
	Electro-Pneumatically Operated, Remote Controlled Monitor Valve	400E-6X
	Pneumatically Operated, Remote Controlled Monitor Valve	400E-4X
Pre-action & Dry Pipe	Hydraulically Operated, Remote Controlled Monitor Valve	400E-5X
	Single Interlock Pre-action, Electric Release System ⁽²⁾⁽⁶⁾	400E-7M
	Double Interlock Pre-action, Electric-Electric Release System ⁽²⁾⁽⁶⁾	400E-7BM
	Double Interlock Pre-action, Electric-Pneumatic Release System ⁽²⁾⁽⁶⁾	400E-7DM
Pressure Control	Dry Pipe Control Valve ⁽²⁾⁽⁶⁾	400E-DP
	Pressure Reducing Valve	420-00
	Pressure Reducing Valve ⁽⁵⁾	720-UL
	Pressure Relief Valve ⁽⁴⁾	430-UF
	Pressure Relief Valve ⁽⁵⁾	730-UF
	Pressure Relief Valve with Electric Override	430-59
Level Control	Pressure Relief Valve with Electric Override	730-59
	Differential Pressure Sustaining Valve ⁽³⁾	436-00
	Level Control Valve with Modulating Horizontal Float	450-60
	Level Control Valve with Bi-Level Electric Float	450-65
Level Control	Level Control Valve with Bi-Level Vertical Float	450-66
	Level Control Valve with Altitude Pilot ⁽⁷⁾	450-80

Notes:

- Deluge Valves With EasyLock Manual Reset are provided with Full Trim, including drain and indicating components (A items)
- UL Listed for sizes 1½, 2, 2½, 3, 4, 6 & 8"
- VdS Configuration for sizes 2, 3, 4, 6 & 8", Add "VDS" Suffix To Type Code (example: 400E-2M-VDS)
- UL Listed and FM Approved for 2, 2½, 3, 4 & 6"
- UL Listed for sizes 2, 2½, 3, 4, 6 & 8"
Max inlet: 2 to 6": 350 psi (24 bar), 8": 175 psi (12 bar), Set: 30 - 165 psi (2 - 11.5 bar).
Order "A3" or "25" End Connections code for pressure rating above 250 psi (17 bar)
- Pre-action & Dry Pipe Valves Including Full Trim (A) and Trimmed Check Valve
- 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
- Replace the first code digit with "7" when 700 valve is selected

BERMAD Standard Configuration



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G		C		A5		PR		4DC		NN		7P7K	
Valve Pattern		Code		Voltage - Main Valve Position (When Solenoid De-Energized)		Code		Options		Code			
Globe Type (400 Standard)	G			24VDC - N.C. (Standard)	4DC			Pressure Switch, General Purpose ⁽⁸⁾	P				
Y Type (700 only)	Y			24VDC - N.O.	4DO			Ex Proof Pressure Switch ⁽⁸⁾	P7				
Angle (700 only)	A			24VDC - Magna Latch	4DS			EExd ATEX Pressure Switch ⁽⁸⁾	P9				
Body Material		Code		110VDC - N.C.	5DC			Single Limit Switch, General Purpose	S				
Ductile Iron (Standard)	C			110VDC - N.O.	5DO			Single Ex Proof, Limit Switch	S7				
Cast Steel	S			110V/50-60 - N.C.	5AC			Single EExd Proximity Limit Switch	S9				
Stainless Steel 316	N			110V/50-60 - N.O.	5AO			Double EExd Proximity Limit Switch	SS9				
Bronze	B			220V/50-60 - N.C.	2AC			Pressure Gauge Assembly ⁽⁸⁾	6				
Nickel Al. Bronze	U			220V/50-60 - N.O.	2AO			S.S Glycerin Pressure Gauge Assembly ⁽⁸⁾	6n				
For others consult BERMAD.				Tubing & Fittings		Code		Monel Pressure Gauge Assembly ⁽⁸⁾		6m			
End Connections		Code		Stainless Steel 316 (Standard)	NN			Ex Proof NEC Class 1 Div.1 Solenoid	7				
ANSI #150RF (Standard)	A5			Monel	MM			EExd ATEX Solenoid	9				
ANSI#150FF	a5			For others consult BERMAD.				Drip Check ⁽⁹⁾	DC				
ANSI#300RF ⁽¹⁾	A3							Drain Valve ⁽⁹⁾	DV				
ISO-PN16	16							Manual Emergency Release Box ⁽⁹⁾	D				
ISO-PN25 ⁽¹⁾	25							Mechanical Latching	H				
Grooved ANSI C-606-81 ⁽²⁾	VI							Water Motor Alarm Assembly ⁽⁸⁾	W				
Notes:								Special Elastomer ⁽¹⁰⁾	E				
(1) 700 Models only								Large Control Filter	F				
(2) For 2", 3", 4", 6" and 8" only								Valve Position Indicator	I				
For others consult BERMAD.								Junction Box	J				
Coating		Code						S.S. Solenoid Valve	K				
Polyester Red (Standard)	PR							S.S. 316 Trim Accessories ⁽¹¹⁾	N				
High Built Epoxy Red	ER							Pressure Transmitter ⁽⁸⁾	Q				
Uncoated	UC							Notes:					
								(8) Instrument Supplied loose.					
								(9) Available for Models 3D, 4D, 5D, 6D, 3DC, 4DC, 5DC & 6DC only.					
								(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-75, Air Maintenance Device w/Regulator for External Pressure Supply - All S.S 316 / Consult Bermad	Consult Bermad
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	29204S1093

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Water Control Solutions


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