BERMAD 700 Series Ordering Guide

Ordering Guide

Sector

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rimary Feature

Additional Feature (Multiple Chioces Permitted)

Pattern

Construction Materials

End Connections

Coatings

Voltage-Main Valve Position (When Solenoid De-energized)

Tubing & Fittings

Additional Attributes Unlimited Selection

BERMAD Ordering Guide

Hydraulic Control Valves

700 Series



BERMAD Waterworks

Ordering Guide

700 Series

WW	6"	72	20 55	5	Y	С
Sector	Code		Pattern	Code	Construction Materials	Code
Waterworks	WW		Oblique (1 ¹ /	/2-20") Y	Ductile Iron	С
Drinking Water	WD		Angle (11/2-1	18") A	Cast Steel	S
WW Aggressive Water	WA		Globe(24-36	6") G	Stainless Steel 316	N
WW Seawater	WS				Nickel Aluminum Bronze	U
WW Air Conditioning	WC				Other materials available on r	equest
WW Hot Water	WH					94000

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Size	
1 ¹ /2"	DN40
2"	DN50
2 ¹ /2"	DN65
3"	DN80
4"	DN100
5"	DN125
6"	DN150
8"	DN200
10"	DN250
12"	DN300
14"	DN350
16"	DN400
18"	DN450
20"	DN500
24"	DN600
28"	DN700
30"	DN750
32"	DN800
36"	DN900

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Primary Features	Code				
Basic Valve (Double Chambered Actuator)					
Basic Valve (Single Chambered Actuator)					
Solenoid Controlled Valve					
Electronic Control Valve	718				
Pressure Management Valve,	7014				
Flow Compensated PRV	7PM				
Pressure Reducing Control Valve	720				
Pressure Sustaining & Reducing Valve	723				
Differential Pressure Reducing Valve	726				
Flow Control Valve, Constant Downstream Pressure	727				
Electronic Pressure Reducing Valve	728				
Pressure Sustaining Valve	730				
Pressure Relief Valve, Quick Type	73Q				
Pressure Sustaining Valve Remote Sensing Type	730R				
Surge Anticipating Valve	735				
Differential Pressure Sustaining Valve	736				
Electronic Pressure Sustaining Valve					
Booster Pump Control Valve,					
Single Chambered Actuator					
Booster Pump Control Valve,					
Double Chambered Actuator					
Booster Pump Control & Pressure Reducing Valve					
Booster Pump Control & Pressure Sustaining Valve					
Deep Well Pump Hydraulic Control Valve					
Deep Well Pump Electric Control Valve					
Booster Pump & Flow Control Valve					
Pump Circulation & Pressure Sustaining Valve	748				
Pump Circulation & Flow Control Valve					
Level Control Valve					
Level Control & Pressure Sustaining Valve					
Level & Flow Control Valve					
Level Sustaining Valve (Reservoir Outlet)					
Hydraulic Check Valve					
Flow Control Valve					
Flow Control & Pressure Reducing Valve					
Flow Control & Pressure Sustaining Valve	773 790				
Burst Control Valve (Excessive Flow)					
Burst Control & Pressure Reducing Valve	792 70N				
Check Valve (Lift Type)					
Strainer (Stone and Gravel Trap)					

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Additional Features	Code
(Multiple Choices Permitted)	
No Additional Feature	00
Closing and Opening Speed Control	03
Differential Pressure	06
Hydraulic Override	09
Check-Lock	11
High Sensitivity Pilot	12
Electronic Control	18
Check Feature	20
Independent Flow Check (24-32" only)	2S
Solenoid Controlled & Check Feature	25
Pressure Reducing Feature	2Q
Two-Stage Opening	30
Relief Override	3Q
Electrically Selected Multi-Level Setting	45
Downstream Over Pressure Guard	48
Closing Surge Prevention	49
Motorized Pilot	4S
Electronic Multi-Level Setting - Type 4R	4R
Electronic Multi-Level Setting - Type 4T	4T
Hydraulic Control	50
Hydraulic Accelerator Control	54
Solenoid Controlled	55
Electric Override	59
Modulating Horizontal Float	60
Bi-Level Electric Float	65
Bi-Level Vertical Float	66
Modulating Vertical Float	67
Bi-Directional Flow	70
Altitude Pilot	80
Modulating Altitude Control	82
Sustaining Altitude Pilot	83
Hydraulic Positioning	85
Bi-Level Altitude Control	86
Altitude Control with Bi-Directional Flow	87
2-6 meter ; 7-20 feet Setting	M1
2-14 meter ; 7-46 feet Setting	M6
5-22 meter ; 17-72 feet Setting	M5
15-35 meter ; 49-115 feet Setting	M4
25-70 meter ; 82-230 feet Setting	M8
Closing at Downstream Pressure Drop	91
Proportional	PD

Other primary features available on request.

Other additional features available on request.



BERMAD Waterworks

Ordering Guide

700 Series

1	6	e	В		4AC		СВ	F
						•		
	End Connections	Code			Voltage-Main Valve Position (When Solenoid De-energized)	Code	Tubing & Fittings	Code
	ISO - 10	10			24VAC/50Hz - Normally Closed	4AC	St. St. 316 Tubing & Fittings	NN
	ISO - 16	16			24VAC/50Hz - Normally Open	4AO	Copper Tubing & Brass Fittings	CB
Q	ISO - 25	25		AC	24VAC/50Hz - Last Position	4AP	Plastic Reinforced Tubing	PB
langed	ANSI - 150	A5		Ā	24VAC/60Hz - Normally Closed	46C	& Brass Fittings	
Flai	ANSI - 300	A3	24V		24VAC/60Hz - Normally Open	460	Monel Tubing & Fittings	MM
	BST - D	BD	54		24VAC/60Hz - Last Position	46P		
	JIS - 16	J6			24VDC - Normally Closed	4DC		
	JIS - 20	J2		0	24VDC - Normally Open	4DO		
Threaded	BSP	BP		Ď	24VDC - Last Position	4DP		
eac	BSP - 25 bar	PH			24VDC - Latch Solenoid	4DS		
Ъr	NPT 25 bar	NP			220VAC/50-60Hz Last Position	2AP		
<u> </u>	1111-20.001				220VAC/50-60Hz Normally Closed	2AC		
	er end connections avai	ilable		A0	220VAC/50-60Hz Normally Open	2AO		
on r	on request.		220V		220VAC/50-60Hz Motorized Ball Valve - Last Position	2AM		
				220VDC - Normally Closed 2DC				
				8	220VDC - Normally Open	2DO		
					220VDC - Latch Solenoid	2DS		
				AC	110VAC/50 - 60Hz Normally Closed	5AC		
				◄	110VAC/50 - 60Hz Normally Open	5AO		
					110VDC - Normally Closed	5DC		
				8	110VDC - Normally Open	5DO		
					110VDC - Latch Solenoid	5DS		
					Other electrical ratings available on request	t		

►Reduction Ratios Table

Valve Size	Plug	Туре
valve Size	Flat Disk	V-Port
1 ¹ / ₂ - 2 ¹ / ₂ " DN40 - 65	3.7	4
3" DN80	2.6	2.9
4" DN100	2.5	2.8
6" DN150	2.5	2.7
8" DN200	2.4	2.6
10" DN250	2.3	2.5
12-14" DN300 - 350	2.2	2.4
16-20" DN400 - 500	2.2	2.3
24-36" DN600 - 900	2.2	2.3

CoatingsCodeEpoxy FB Blue RAL 5005EBPolyester Green RAL 6017PGPolyester Blue RAL 5010PBUncoatedUC

Transparent Polyurethane top coating is available for epoxy coated valves. Other coatings available on request.

	V				
Additional Attributes Unlimited Selection	Code				
V-Port Throttling Plug (U-Type)					
Large Control Filter	F				
Valve Position Indicator	I				
Electric Limit Switch	S				
Valve Position Transmitter	Q				
Flow Stem	М				
Lifting Spring	L				
Balancing Piston Assembly	G				
Orifice Assembly					
Pressure Separator					
Double Chambered (Active)	В				
3-Way Control Loop	Х				
Manual Selector	Z				
Flow Over the Seat	0				
St. St. 316 Control Accessories					
St. St. 316 Actuator Internal Assembly					
St. St. 316 Internal Trim (Closure & Seat)	Т				
Delrin Bearing					
High Grade Bearing & Stem					
St. St. Bolts & Nuts					
Special Elastomers for Seals & Diaphragm					
Pressure Gauge	6				

Other additional attributes are optional.

Please consult our sales department for further information.



BERMAD	Standard	Configuration
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The reduction ratios are based on flow

Reduction ratio may vary at extreme flow velocity & upstream pressure.

velocity of 2.0-3.0 m/sec.

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Hydraulic Control Valves

700 Series

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