



WW-700 Series

WW

6"

720

55

Y

C

Sector	Code
Waterworks	WW
WW Aggressive Water	WA
WW Seawater	WS
WW Air Conditioning	WC
WW Hot Water	WH

Pattern	Code
Oblique (1 1/2-20")	Y
Angle (1 1/2-18")	A
Globe (24-32")	G

Construction Materials	Code
Ductile Iron	C
Cast Steel	S
Stainless Steel 316	N
Nickel Aluminum Bronze	U

Other materials available on request.

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

Primary Features	Code
Basic Valve (Double Chambered Actuator)	700
Basic Valve (Single Chambered Actuator)	705
Solenoid Controlled Valve	710
Electronic Control Valve	718
Pressure Reducing & Sustaining 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	738
Booster Pump Control Valve (Dauble Chamber)	740Q
Booster Pump Control & Pressure Reducing Valve	742
Booster Pump Control & Pressure Sustaining Valve	743
Deep-Well Pump Electric Control Valve	745
Booster Pump & Flow Control Valve	747
Pump Circulation & Pressure Sustaining Valve	748
Pump Circulation & Flow Control Valve	749
Level Control Valve	750
Level Control & Pressure Sustaining Valve	753
Level & Flow Control Valve	757
Level Sustaining Valve (Reservoir Outlet)	75A
Hydraulic Check Valve	760
Flow Control Valve	770
Flow Control & Pressure Reducing Valve	772
Flow Control & Pressure Sustaining Valve	773
Burst Control Valve (Excessive Flow)	790
Burst Control & Pressure Reducing Valve	792
Check Valve (Lift Type)	70N
Strainer (Stone and Gravel Trap)	70F

Other primary features available on request.

Additional Features (Multiple Choices Permitted)	Code
No Additional Feature	00
Closing and Opening Speed Control	03
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
Two-Stage Opening	30
Relief Override	3Q
Electrically Selected Multi-Level Setting	45
Downstream Over Pressure Guard	48
Closing Surge Prevention	49
Electronic Multi-Level Setting - Type 4T	4T
Hydraulic Control	50
Normally Closed with Hydraulic 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
2-14 meter Setting	M6
5-22 meter Setting	M5
15-35 meter Setting	M4
25-70 meter Setting	M8
Proportional - Standard	PD
Proportional - Optional	PD2

Other additional features available on request.

BERMAD Standard Configuration

For Control Accessories: See pages 18-20
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I6		EB		4AC		CB		F			
End Connections		Code		Voltage-Main Valve Position (When Solenoid De-energized)		Code		Tubing & Fittings		Code	
Flanged	ISO-10 (EN Drilled)	E1	24V	AC	24VAC/50Hz - Normally Closed	4AC	St. St. 316 Tubing & Fittings	NN			
	ISO-16 (EN Drilled)	E6			24VAC/50Hz - Normally Open	4AO		Copper Tubing & Brass Fittings	CB		
	ISO-25 (EN Drilled)	E5			24VAC/50Hz - Last Position	4AP		Plastic Reinforced Tubing & Brass Fittings	PB		
	ISO - 10	10			24VAC/60Hz - Normally Closed	46C					
	ISO - 16	16			24VAC/60Hz - Normally Open	46O					
	ISO - 25	25			24VAC/60Hz - Last Position	46P					
	ANSI - 150	A5		DC	24VDC - Normally Closed	4DC	Plastic Reinforced Tubing & Fittings	PP			
	ANSI - 300	A3			24VDC - Normally Open	4DO					
	BST - D	BD			24VDC - Last Position	4DP					
	JIS - 16	J6			24VDC - Latch Solenoid	4DS	Monel Tubing & Fittings	MM			
	JIS - 20	J2			220VAC/50-60Hz Last Position	2AP					
	BSP	BP			220VAC/50-60Hz Normally Closed	2AC					
Threaded	BSP - 25 bar	PH	220V	AC	220VAC/50-60Hz Normally Open	2AO					
	NPT	NP			110VAC/50 - 60Hz Normally Closed	5AC					
	NPT - 25 bar	NH			110VAC/50 - 60Hz Normally Open	5AO					
	110V	DC		AC	110VDC - Normally Closed	5DC					
110VDC - Normally Open			5DO								
110VDC - Latch Solenoid			5DS								

Other end connections available on request.

Other electrical ratings available on request.

Reduction Ratios Table

Valve Size	Plug Type	
	Flat Disk	V-Port
1 1/2 - 2 1/2"	3.7	4.0
DN40 - 65	2.5	2.7
3"	2.6	2.9
	DN80	2.2
4"	2.5	2.8
	DN100	2.0
6"	2.5	2.7
	DN150	2.0
8"	2.4	2.6
	DN200	2.0
10"	2.3	2.5
	DN250	2.0
12-14"	2.2	2.4
	DN300 - 350	2.0
16-20"	2.2	2.3
	DN400 - 500	2.0

Standard ratio Optional ratio

- The reduction ratios are based on flow velocity of 2.0-3.0 m/sec.
- Reduction ratio may vary at extreme flow velocity & upstream pressure.
- 24-32"; DN600-800 reduction ratio: 2.2

Coatings	Code
Epoxy FB Blue RAL 5005	EB
Polyester Green RAL 6017	PG
Polyester Blue RAL 5010	PB
Uncoated	UC

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

Additional Attributes Unlimited Selection	Code
V-Port Throttling Plug (U-Type)	V
Large Control Filter	F
Valve Position Indicator	I
Electric Limit Switch	S
Valve Position Transmitter	Q
Flow Stem	M
Lifting Spring	L
Orifice Assembly	U
Pressure Separator	d
Double Chambered (Active)	B
3-Way Control Loop	X
Manual Selector	Z
Flow Over the Seat	O
St. St. 316 Control Accessories	N
St. St. 316 Actuator Internal Assembly	D
St. St. 316 Internal Trim (Closure & Seat)	T
Delrin Bearing	R
High Grade Bearing & Stem	K
St. St. Bolts & Nuts	m
Special Elastomers for Seals & Diaphragm	E
Pressure Gauge	6

Other additional attributes are optional. Please consult our sales department for further information.

BERMAD Standard Configuration

