



WW

6"

820

55

PA

Y

C

Sector	Code
Waterworks	WW

Size	Code
1½"	DN40
2"	DN50
2½"	DN65
3"	DN80
4"	DN100
6"	DN150
8"	DN200
10"	DN250
12"	DN300
14"	DN350
16"	DN400
18"	DN450
20"	DN500

Primary Feature	Code
Basic Valve (Double Chambered Actuator)	800
Basic Valve (Single Chambered Actuator)	805
Solenoid Controlled Valve	810
Electronic Control Valve	818
Pressure Reducing Control Valve	820
Pressure Sustaining & Reducing Valve	823
Flow Control Valve, Constant Downstream Pressure	827
Pressure Sustaining Valve	830
Pressure Relief Valve, Quick Type	83Q
Surge Anticipating Valve	835
Booster Pump Control Valve	840
Booster Pump Control & Pressure Reducing Valve	842
Booster Pump Control & Pressure Sustaining Valve	843
Deep Well Pump Electric Control Valve	845
Booster Pump & Flow Control Valve	847
Pump Circulation & Pressure Sustaining Valve	848
Pump Circulation & Flow Control Valve	849
Level Control Valve*	850
Flow Control Valve	870
Flow Control & Pressure Reducing Valve	872
Flow Control & Pressure Sustaining Valve	873
Burst Control Valve (Excessive Flow)	890
Check Valve (Lift Type)	80N
Strainer (Stone and Gravel Trap)	80F

Other primary features available on request.
* Select Float or Pilot

Additional Feature (Multiple Options Permitted)	Code
No Additional Feature	00
Closing and Opening Speed Control	03
Check-Lock	11
Electronic Control	18
Check Feature	20
Relief Override	3Q
Electrically Selected Multi-Setting Levels	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
2-Way Hydraulic Relay	50
3-Way Hydraulic Relay	54
Solenoid Controlled	55
Electric Override	59
Floats	
Modulating Horizontal Float	60
Bi-Level Electric Float	65
Bi-Level Vertical Float	66
Modulating Vertical Float	67
Pilots	
Altitude Pilot	80*
Modulating Altitude Control	82*
Sustaining Altitude Pilot	83*
Bi-Level Altitude Control	86*
Pilot Setting Range	
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
Single Cavitation Cage	C1
Double Cavitation Cage	C2
Proportional	PP
Drinking Water Compliance	
General Standard**	P1
NSF 61/372	P2

Other additional features available on request
* Select Pilot Setting Range
** Consult Factory

Actuator Type	Code
Single Chambered	PA
Double Chambered	PB

Pattern	Code
Oblique	Y
Angle (1½"-18")	A

Construction Material	Code
Ductile Iron (1½"-10")	C
Cast Steel	S
Stainless Steel 316	N

Other materials available on request.

Reduction Ratios

Valve Size	Reduction Ratio
1½"-2½"	2.3
DN40-65	
3"	2.3
DN80	
4"	2.5
DN100	
6"	2.2
DN150	
8"	2.3
DN200	
10"	2.3
DN250	
12"-14"	2.1
DN300-350	
16"-20"	2.2
DN400-500	

- Use this guide for creating and interpreting valve configuration codes
- For additional information refer to [800 Series Engineering Data](#)



I6

End Connection	Code
ISO-PN40	40
ISO-PN25	25
ISO-PN16	16
ANSI-#300	A3
ANSI-#150	A5
JIS-30	J3
JIS-20	J2
JIS-16	J6
AS35	SB
ANSI C606	V2
Ductile Iron - 1½"-8"	
Cast Steel - 1½"-4"	
St. St 316 - 1½"-4"	

Other end connections available on request.

EB

Coating	Code
Epoxy FB Dark Blue	EB
Epoxy FB Dark Blue and UV protection	EV
Uncoated (Stainless Steel)	UC

Other coatings available on request.

4AC

Voltage	Main Valve Position (Solenoid Not Energized)	Code	
24V	AC	24VAC/50Hz Normally Closed	4AC
		24VAC/50Hz Normally Open	4AO
		24VAC/50Hz Last Position	4AP
		24VAC/60Hz Normally Closed	46C
	24VAC/60Hz Normally Open	46O	
	24VAC/60Hz Last Position	46P	
	DC	24VDC Normally Closed	4DC
		24VDC Normally Open	4DO
24VDC Last Position		4DP	
24VDC Latch Solenoid		4DS	
220V	AC	220VAC/50-60Hz Last Position	2AP
		220VAC/50-60Hz Normally Closed	2AC
		220VAC/50-60Hz Normally Open	2AO
	DC	220VDC Normally Closed	2DC
		220VDC Normally Open	2DO
		220VDC Latch Solenoid	2DS
110V	AC	110VAC/50-60Hz Normally Closed	5AC
		110VAC/50-60Hz Normally Open	5AO
	DC	110VDC Normally Closed	5DC
		110VDC Normally Open	5DO
		110VDC Latch Solenoid	5DS
12V	DC	12VDC Normally Closed	1DC
		12VDC Normally Open	1DO
		12VDC Last Position	1DP
		12VDC Latch Solenoid	1DS

NN

Tubing & Fittings	Code
St. St. 316 Tubing & Fittings	NN
Copper Tubing & Brass Fittings	CB

Other tubing & fittings available on request.

V

Additional Attributes (Multiple Options Permitted)	Code
V-Port Throttling Plug	V
Large Control Filter	F
Valve Position Indicator	I
Electric Limit Switch	S
Valve Position Transmitter	Q
Flow Stem	M
Lifting Spring	L
Balancing Piston	G
Orifice Assembly	U
Pressure Separator	d
Double Chambered (Active)	B
3-Way Control	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
PVDF Bearing	r
High Grade Bearing & Stem	K
St. St. 316 Bolts & Nuts	m
EPDM Elastomers	E1
FKM Elastomers	E2
Pressure Gauge	6

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

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