



IR

3"

420

55

00

G

I

IR	Code
Irrigation	IR

Primary Features	Code
Basic Valve	405
Solenoid Controlled Valve	410
Electronic Control Valve	418
Pressure Reducing Valve	420
Pressure Reducing & Sustaining Valve	423
Pressure Sustaining Valve	430
Surge Anticipating Valve	435
Differential Pressure Sustaining Valve	436
Quick Pressure Relief Valve	43Q
Level Control Valve	450
Level Control & Pressure Sustaining Valve	453
Level & Flow Control Valve	457
Flow Control Valve	470
Flow Control & Pressure Reducing Control Valve	472
Flow Control & Pressure Sustaining Control Valve	473
Flow Control, Pressure Reducing & Sustaining Valve	475

Other primary features available on request.

Additional Features (Multiple Choices Permitted)	Code	
No Additional Feature	00	
Closing and Opening-Speed-Control	03	
Accelerated Closing	04	
Hydraulic Override	09	
Electronic Control	18	
Check Feature	20	
Solenoid Controlled & Check Feature	25	
Relief Override	3Q	
Electrically Selected Multi-Level Setting	45	
Downstream Over Pressure Guard	48	
Closing Surge Prevention	49	
Hydraulic Remote Control	50	
N.C With Adjustable Hydraulic Relay	54X	
N.C. with Hydraulic Relay	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	
Altitude Pilot	80*	
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

* Select Setting Range
Other additional features available on request.

Size	
1"	DN25
1½"	DN40
2"	DN50
2½"	DN65
3"	DN80
4"	DN100
6"	DN150
8"	DN200
10"	DN250
12"	DN300

Ductile Iron

Pattern	Code
Globe	G
Angle (2"-4")	A

Construction Materials	Code
Cast Iron (up to 8")	I
Ductile Iron (10", 12" and grooved end connectors)	C

Other materials available on request.



16	PG	4AC	PP	XZ5																																														
<table><tr><th colspan="3">End Connections</th><th>Code</th></tr><tr><td rowspan="2">Threaded</td><td>BSP Female Threaded</td><td rowspan="2">1"-3"</td><td>BP</td></tr><tr><td>NPT Female Threaded</td><td>NP</td></tr><tr><td rowspan="4">Flanged</td><td>ISO-16</td><td rowspan="4">2"-12"</td><td>16</td></tr><tr><td>ANSI-125</td><td>A1</td></tr><tr><td>ANSI-150 (for 10" & 12")</td><td>A5</td></tr><tr><td>BST-D</td><td>BD</td></tr><tr><td>Grooved</td><td colspan="2">ANSI C 606-81, Steel Pipe (Globe - 2", 3", 4", 6" & 8"; Angle - 3" & 4")</td><td>VI</td></tr></table> Other end connections available on request.				End Connections			Code	Threaded	BSP Female Threaded	1"-3"	BP	NPT Female Threaded	NP	Flanged	ISO-16	2"-12"	16	ANSI-125	A1	ANSI-150 (for 10" & 12")	A5	BST-D	BD	Grooved	ANSI C 606-81, Steel Pipe (Globe - 2", 3", 4", 6" & 8"; Angle - 3" & 4")		VI	<table><tr><th colspan="2">Tubing & Fittings</th><th>Code</th></tr><tr><td colspan="2">Composite Tubing & Fittings</td><td>PP</td></tr><tr><td colspan="2">Composite Reinforced Tubing & Brass Fittings</td><td>PB</td></tr></table>	Tubing & Fittings		Code	Composite Tubing & Fittings		PP	Composite Reinforced Tubing & Brass Fittings		PB													
End Connections			Code																																															
Threaded	BSP Female Threaded	1"-3"	BP																																															
	NPT Female Threaded		NP																																															
Flanged	ISO-16	2"-12"	16																																															
	ANSI-125		A1																																															
	ANSI-150 (for 10" & 12")		A5																																															
	BST-D		BD																																															
Grooved	ANSI C 606-81, Steel Pipe (Globe - 2", 3", 4", 6" & 8"; Angle - 3" & 4")		VI																																															
Tubing & Fittings		Code																																																
Composite Tubing & Fittings		PP																																																
Composite Reinforced Tubing & Brass Fittings		PB																																																
<table><tr><th>Coating</th><th>Code</th></tr><tr><td>Polyester Green RAL 6017</td><td>PG</td></tr></table>				Coating	Code	Polyester Green RAL 6017	PG	<table><tr><th colspan="2">Additional Attributes Unlimited Selection</th><th>Code</th></tr><tr><td colspan="2">Servo (2/3-Way Control Loop)</td><td>b</td></tr><tr><td colspan="2">3-Way Control Loop</td><td>X</td></tr><tr><td colspan="2">Plastic Control Accessories</td><td>K</td></tr><tr><td colspan="2">Metal Control Accessories</td><td>R</td></tr><tr><td colspan="2">External Control Pressure</td><td>e</td></tr><tr><td colspan="2">Large Control Filter</td><td>F</td></tr><tr><td colspan="2">Orifice Assembly</td><td>U</td></tr><tr><td colspan="2">Paddle Flow Control Pilot</td><td>V</td></tr><tr><td colspan="2">Manual Selector</td><td>Z</td></tr><tr><td colspan="2">Low Preset Pressure (below 2 bar)</td><td>2</td></tr><tr><td colspan="2">Plastic Pressure Test Point</td><td>5</td></tr><tr><td colspan="2">Pressure Gauge</td><td>6</td></tr><tr><td colspan="2">½" Anti Vacuum at Valve Downstream</td><td>7</td></tr></table> Other additional attributes are optional. Please consult Customer Service for further information.	Additional Attributes Unlimited Selection		Code	Servo (2/3-Way Control Loop)		b	3-Way Control Loop		X	Plastic Control Accessories		K	Metal Control Accessories		R	External Control Pressure		e	Large Control Filter		F	Orifice Assembly		U	Paddle Flow Control Pilot		V	Manual Selector		Z	Low Preset Pressure (below 2 bar)		2	Plastic Pressure Test Point		5	Pressure Gauge		6	½" Anti Vacuum at Valve Downstream		7
Coating	Code																																																	
Polyester Green RAL 6017	PG																																																	
Additional Attributes Unlimited Selection		Code																																																
Servo (2/3-Way Control Loop)		b																																																
3-Way Control Loop		X																																																
Plastic Control Accessories		K																																																
Metal Control Accessories		R																																																
External Control Pressure		e																																																
Large Control Filter		F																																																
Orifice Assembly		U																																																
Paddle Flow Control Pilot		V																																																
Manual Selector		Z																																																
Low Preset Pressure (below 2 bar)		2																																																
Plastic Pressure Test Point		5																																																
Pressure Gauge		6																																																
½" Anti Vacuum at Valve Downstream		7																																																
<table><tr><th colspan="2">Voltage-Main Valve Position (When Solenoid De-Energized)</th><th>Code</th></tr><tr><td>24VAC</td><td>- Normally Closed</td><td>4AC</td></tr><tr><td>24VAC</td><td>- Normally Open</td><td>4AO</td></tr><tr><td>24VDC</td><td>- Normally Closed</td><td>4DC</td></tr><tr><td>24VDC</td><td>- Normally Open</td><td>4DO</td></tr><tr><td>12VDC</td><td>- Latch Solenoid S-985 (3 Leads)</td><td>1DS</td></tr><tr><td>12VDC</td><td>- Latch Solenoid S-982 (2 Leads)</td><td>2DS</td></tr><tr><td>9VDC</td><td>- Latch Solenoid</td><td>9DS</td></tr></table> Other electrical ratings available on request.				Voltage-Main Valve Position (When Solenoid De-Energized)		Code	24VAC	- Normally Closed	4AC	24VAC	- Normally Open	4AO	24VDC	- Normally Closed	4DC	24VDC	- Normally Open	4DO	12VDC	- Latch Solenoid S-985 (3 Leads)	1DS	12VDC	- Latch Solenoid S-982 (2 Leads)	2DS	9VDC	- Latch Solenoid	9DS																							
Voltage-Main Valve Position (When Solenoid De-Energized)		Code																																																
24VAC	- Normally Closed	4AC																																																
24VAC	- Normally Open	4AO																																																
24VDC	- Normally Closed	4DC																																																
24VDC	- Normally Open	4DO																																																
12VDC	- Latch Solenoid S-985 (3 Leads)	1DS																																																
12VDC	- Latch Solenoid S-982 (2 Leads)	2DS																																																
9VDC	- Latch Solenoid	9DS																																																