Waterworks



		6″ 720	E	N 55 Y			16
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Sector	Code	Primary Feature	Code	Additional Feature (Multiple Options Permitted)	Code	Pattern	Cod
Waterwork	s WW	Basic Valve (Double Chambered Actuator)	700	No Additional Feature	00	Oblique	Y
		Basic Valve (Single Chambered Actuator)	705	Closing and Opening Speed Control	03		-
		Solenoid Controlled Valve	710	Hydraulic Override	09	Construction	
Model	Code	Electronic Control Valve	718	High Sensitivity Pilot	12*	Material	Coc
IGMA	EN	Pressure Management Valve, Flow	7014	Electronic Control	18	Ductile Iron	С
IGMA	ES	Compensated PRV	7PM	Flow Control Constant Downstream Pressure	2U	Ductile Iron	
IGMA	5	Pressure Reducing Control Valve	720	Check Feature	20		
		Pressure Reducing & Sustaining Valve	723	Pressure Reducing	22	End Connection	Cod
Size	e 🗧	Differential Pressure Reducing Valve	726	Independent Lift Check	25	chie connection	
		Flow Control Valve, Constant		Pressure Sustaining	33	ISO 7005 PN10	10
700-6	CN	Downstream Pressure	727	Relief Override	30	ISO 7005 PN16	10
700-0	CIN	Pressure Sustaining/Relief Valve	730	Closing at Pressure Rise	41	ISO 7005 PN25	2
DN40	1.5"	Pressure Relief Valve, Quick Type	73Q	Electrically Selected Multi-Level Setting	45	ISO 7005 PN16/25	2
DN50	2"	Pressure Sustaining Valve Remote		Downstream Over Pressure Guard	48	ANSI #150-RF	A
DN65	2.5"	Sensing Type	730R	Closing Surge Prevention	49	ANSI #300-RF	A
DN80	3"	Surge Anticipating Valve	735	Motorized Pilot	45	ANSI #150-FF	а
DN100	4"	Differential Pressure Sustaining Valve	736	Electronic Multi-Level Setting - Type 4R (water)	4R	ANSI #300-FF	а
DN150	6"	Booster Pump Control Valve, Double		Electronic Multi-Level Setting - Type 4T (air)	4T	ABNT PN10	E
DN200	8"	Chambered Actuator	740	BEC PM1 Pressure Management Controller	4V	ABNT PN16	B
DN250	10"	Booster Pump Control & Pressure		2-Way Hydraulic Relay	50	ABNT PN25	E
DN300	12"	Reducing Valve	742	3-Way Hydraulic Relay	54	AS 4087 PN16	S
DN400	16"	Booster Pump Control & Pressure		Solenoid Controlled	55	AS 4087 PN35	S
511100	10	Sustaining Valve	743	Electric Override	59	AS 2129 - C	S
700-	ES	Deep Well Pump Electric Control Valve	745	w/o Electric Float (65)	6E	AS 2129 - D	S
21/65	2.5	Booster Pump & Flow Control Valve	747	w/o Hydraulic Float (60/67)	6H	AS 2129 - E	S
DN65	2.5"	Pump Circulation & Pressure		Modulating Horizontal Float	60	AS 2129 - F	S
DN80	3" 4"	Sustaining Valve	748	Bi-Level Electric Float	65	AS 2129 - H	SI
DN100		Level Control Valve	750	Bi-Level Vertical Float	66	BS 10 - D	В
DN125	5"	Level Control & Pressure Sustaining Valve	753	Modulating Vertical Float	67	BS 10 - E	В
DN150	6"	Level & Flow Control Valve	757	Bi-Directional Flow	70	BS 10 - H	В
DN200	8"	Level Sustaining Valve (Reservoir Outlet)	75A		80*	JIS B2239 10K	J
DN250	10"	Flow Control Valve	770	ာ ဗို Altitude Pilot Modulating Altitude Pilot Sustaining Altitude Pilot	82*	JIS B2239 16K	J
DN300	12"	Flow Control & Pressure Reducing Valve	772			JIS B2239 20K	J
DN350	14"	Flow Control & Pressure Sustaining Valve	773		83*	KSB-1511-10K	K
DN400	16"	Flow Control, Pressure Reducing &		Bi-Level Altitude Control	86*	KSB-1511-16K	K
DN450	18"	Sustaining Valve	775		87*	KSB-1511-20K	K
DN500	20"	Burst Control Valve (Excessive Flow)	790	2-6 meter; 7-20 feet 9 0 2-14 meter; 7-46 feet	M1	KSD-3578-F12	k
DN600	24″	Burst Control & Pressure Reducing Valve	792		M6	KSD-3578-F15	K
		Burst Control & Pressure Sustaining Valve	793	5-22 meter; 17-72 feet	M5	KSD-3578-F20	K
		Safety Valve (Reservoir Outlet)	79A		M4	Undrilled Type A	0
		Check Valve (Lift Type)	70N*	25-70 meter; 82-230 feet Hydraulic Positioning	M885	Undrilled Type B	0
		Strainer (Stone and Gravel Trap)	70F*	Burst Control	90	Undrilled Type C	0
		Other primary features available on request.			90		
		, , , ,		Closing at Downstream Pressure Drop Single Cavitation Cage			
		* Available in 700-EN only			C1		
		* Available in 700-EN only			C2		
		* Available in 700-EN only		Double Cavitation Cage	C2		
		* Available in 700-EN only		Double Cavitation Cage Triple Chamber Valve	TC		
		* Available in 700-EN only		Double Cavitation Cage Triple Chamber Valve Panel Mounted Control	TC L1		
		* Available in 700-EN only		Double Cavitation Cage Triple Chamber Valve Panel Mounted Control PRV Low Flow By-Pass	TC L1 2B	4	
		* Available in 700-EN only		Double Cavitation Cage Triple Chamber Valve Panel Mounted Control PRV Low Flow By-Pass Proportional	TC L1 2B PD	٩	
		* Available in 700-EN only		Double Cavitation Cage Triple Chamber Valve Panel Mounted Control PRV Low Flow By-Pass Proportional Battery Powered	TC L1 2B PD T1	•	
		* Available in 700-EN only		Double Cavitation Cage Triple Chamber Valve Panel Mounted Control PRV Low Flow By-Pass Proportional Battery Powered	TC L1 2B PD T1 T2	٩	
		* Available in 700-EN only		Double Cavitation Cage Triple Chamber Valve Panel Mounted Control PRV Low Flow By-Pass Proportional Battery Powered 90-264V AC Powered 12-24V AC-DC Powered	TC L1 2B PD T1 T2 T3		
		* Available in 700-EN only		Double Cavitation Cage Triple Chamber Valve Panel Mounted Control PRV Low Flow By-Pass Proportional Battery Powered 90-264V AC Powered 12-24V AC-DC Powered	TC L1 2B PD T1 T2 T3 T4	•	
		* Available in 700-EN only		Double Cavitation Cage Triple Chamber Valve Panel Mounted Control PRV Low Flow By-Pass Proportional Battery Powered 90-264V AC Powered 12-24V AC-DC Powered	TC L1 2B PD T1 T2 T3	•	

 a)
 WRAS

 b)
 DVGW

 c)
 DVGW

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 GOST

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 BELGAQUA

 PZH
 BULGARCON

 SVGW
 SVGW

 NSF 61/372
 AS 5081
 BULGARCONTROLA D2 D3

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D1

Other additional features available on request. * Select Setting Range ** Only for 3"-24" Valves

Pressure Management

Dual Control System

WRAS

Waterworks

NN





4AC





Tubing & Fittings

St. St. 316 Tubing & Fittings Copper Tubing & Brass Fittings Plastic Reinforced Tubing & Brass Fittings

Voltage	Main Valve Position (When Solenoid De-energized)	Code
24VAC/50Hz	- Normally Closed	4AC
24VAC/50Hz	- Normally Open	4A0
24VAC/50Hz	- Last Position	4AP
24VAC/60Hz	- Normally Closed	46C
24VAC/60Hz	- Normally Open	460
24VAC/60Hz	- Last Position	46P
24VDC	- Normally Closed	4DC
24VDC	- Normally Open	4D0
24VDC	- Last Position	4DP
24VDC	- Latch Solenoid	4DS
220VAC/50-60Hz	220VAC/50-60Hz - Last Position	2AP
220VAC/50-60Hz	220VAC/50-60Hz - Normally Closed	2AC
220VAC/50-60Hz	220VAC/50-60Hz - Normally Open	2A0
220VDC	- Normally Closed	2DC
220VDC	- Normally Open	2DO
220VDC	- Latch Solenoid	2DS
110VAC/50-60Hz	110VAC/50-60Hz - Normally Closed	5AC
110VAC/50-60Hz	110VAC/50-60Hz - Normally Open	5A0
110VDC	- Normally Closed	5DC
110VDC	- Normally Open	5D0
110VDC	- Latch Solenoid	5DS
12VDC	- Normally Closed	1DC
12VDC	- Normally Open	1D0
12VDC	- Last Position	1DP
12VDC	- Latch Solenoid	1DS

>	Coating	Code
	Epoxy FB Dark Blue	EB
	Epoxy FB Dark Blue and UV protection	EV

Other coatings available on request.

-	Reduction Ratios				
	700-EN			700-ES	
Size	Flat Disk	V-Port	Size	Flat Disk	V-Port
DN40; 1.5"	2.8	3.0	DN65; 2.5"	2.8	3.0
DN50; 2"	2.8	3.0	DN80; 3"	2.8	3.0
DN65; 2.5"	2.8	3.2	DN100; 4"	2.6	2.8
DN80; 3"	2.7	3.0	DN125; 5"	2.5	2.8
DN100; 4"	2.4	2.6	DN150; 6"	2.4	2.7
DN150; 6"	2.4	2.6	DN200; 8"	2.4	2.6
DN200; 8"	2.3	2.5	DN250; 10"	2.3	2.5
DN250; 10"	2.3	2.5	DN300; 12"	2.3	2.5
DN300; 12"	2.2	2.4	DN350; 14"	2.3	2.5
DN400; 16"	2.2	2.3	DN400; 16"	2.2	2.4
			DN450; 18"	2.2	2.3
			DN500; 20"	2.2	2.3
			DN600; 24"	2.2	2.3

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.

dditional Attributes Iultiple Options Permitted)
ouble Chamberd - Active
n-Line Filter
.S 316 Actuator Internal Assembly
PDM Elastomers (Seals & Diaphragn
ITON Elastomers (Seals & Diaphragn
arge Control Filter
xtra Large Control Filter
wo Large Control Filters
wo Extra Large Control Filters
ligh Grade Bearing & Stem
alancing Piston Assembly
alve Position Indicator
unction Box
ifting Spring
low Stem
.S.316 All Control Accessories
low Over The Seat
ressure Switch
alve Position Transmiter*
alve Position Transmitter For Side ndicator*
elrin Bearing
lectric Limit-Switch*
lectric Limit Switch For for Side ndicator*
ouble Limit Switch Assy*
.S 316 Internal Trim Closure & Seat
iffrential Flow Sensor (Orifice)
Port Throttling Plug
W Conrol
Position Manual Control Selector
ressure Separator
xternal Control Pressure
itot Tube
t.St.316 Small Control Accessories Check/Needle/"Y" Filter)
losing Spring
VDF Bearing
ressure Gauges
ouble Pressure Gauge
.S Pressure Gauge
ouble S.S Pressure Gauges

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