

2016-2017

800 SERIES CONTROL VALVE SELECTION GUIDE



MODEL:

SERIAL NO.

VALVE PRESSUR



ORA

LOW

WALLA WALLA, WA

VALV

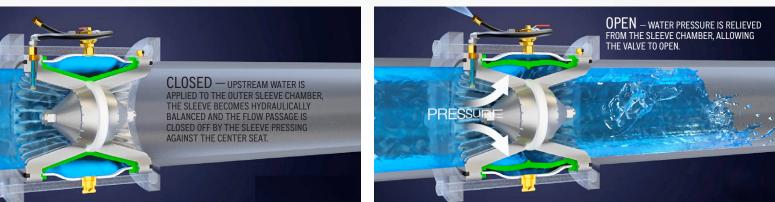
CONTROL



CONTROL YOU CAN COUNT ON SEASON AFTER SEASON

INTERNAL CAGE





SEE PAGE 58 FOR GUN/VALVE COMBO / MOUNT AN ANSI FLANGED BIG GUN® DIRECTLY ONTO AN 800 SERIES CONTROL VALVE FOR END OF PIVOT APPLICATION.



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MANUAL ON-OFF ALL 800 SERIES VALVES (EXCEPT 800P) ARE EQUIPPED WITH A 3-WAY MANUAL

ON-OFF SELECTOR VALVE.



ELECTRIC ON-OFF ADD A SOLENOID FOR ELECTRIC ON-OFF CAPABILITY.



800 SERIES / CONTROL VALVES

PLASTIC CENTER BARRIER

SLEEVE (SPECIAL

VALVE HOUSING (GALVANIZED STEEL FOR 6" & 8" AND ANODIZED ALUMINUM FOR 2", 3", & 4")

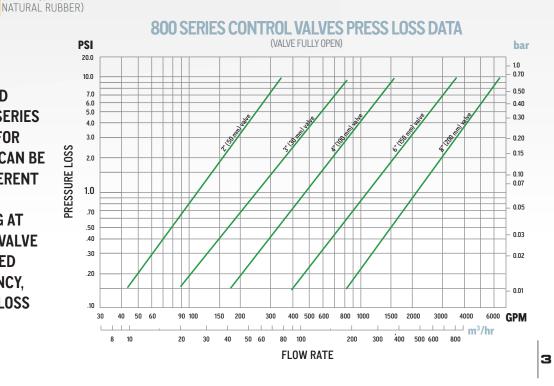


STAINLESS STEEL CENTER STUD

AS A HYDRAULICALLY OPERATED SLEEVE-TYPE VALVE, THE 800 SERIES CONTROL VALVE IS DESIGNED FOR VERSATILITY. THE BASIC BODY CAN BE EQUIPPED WITH SEVERAL DIFFERENT OPTIONS FOR CONTROLLING PRESSURE AND FLOW IN PIPING AT THE PIVOT POINT OR END GUN VALVE CONTROL. IT'S ALSO ENGINEERED FOR EXTREMELY HIGH EFFICIENCY, RESULTING IN LOW PRESSURE LOSS AND HIGH FLOW CAPACITY.

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PRESSURE CONTROL

THE PRESSURE CONTROL REGULATOR ("REDUCING" FOR DOWNSTREAM, "SUSTAINING" FOR UPSTREAM) DIRECTS WATER FLOW WHICH POSITIONS THE SLEEVE DURING OPERATION. RATE-OF-FLOW

ADD THE RATE-OF-FLOW (MODEL D18) CONTROL TO REGULATE THE FLOW RATE DURING SYSTEM START-UP.

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800 SERIES - 2" & 3" VALVES

To Order: Specify 800 Series Control Valve and Select From Each Letter Option. Any item in section D, E & H can be ordered separately as a Kit. Specify the option letter and number (example "E23" for a 9/12V, 3/64" Solenoid Kit).

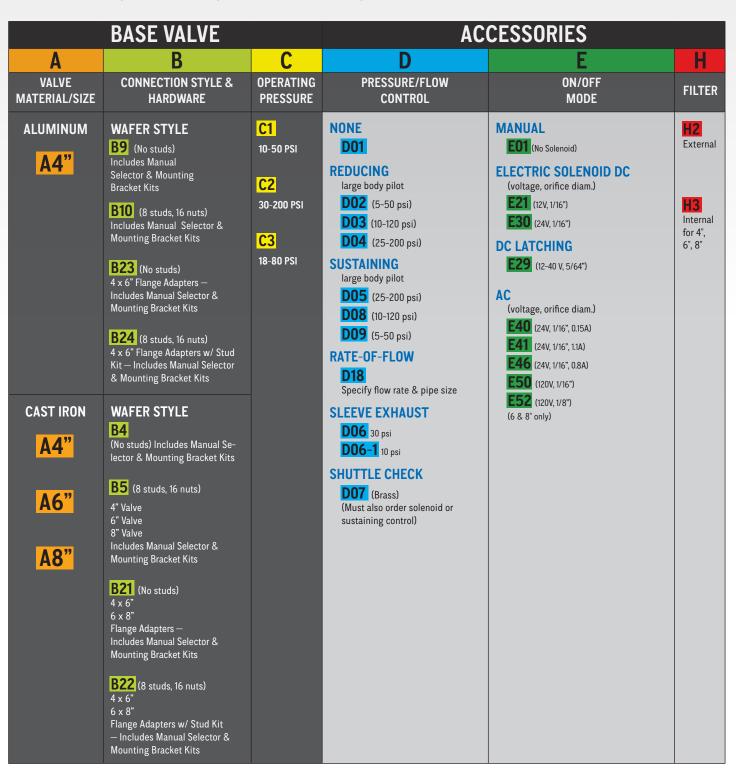
B	ASE VALVE		ACCESSORIES						
Α	В	С	D	E	H				
VALVE MATERIAL/SIZE	CONNECTION STYLE & HARDWARE	OPERATING PRESSURE	PRESSURE/ Contro	ON/OFF MODE	FILTER				
ALUMINUM A2" A3" CAST IRON	WAFER STYLE B9 (No studs) Includes Manual Selector & Mounting Bracket Kits B10 (4 studs, 8 nuts) Includes Manual Selector & Mounting Bracket Kits THREADED B3 (Gradific NDT or DSD)	C1 10-50 PSI C2 30-200 PSI C3 18-80 PSI	NONE DO1 REDUCING 5-30 PSI D11 (Brass) D21 (Plastic 2") D31 (Plastic 3") 5-60 PSI D12 (Brass) D22 (Plastic 2") D32 (Plastic 3")	RATE-OF-FLOW D18 Specify flow rate & pipe size SLEEVE EXHAUST D06 30 psi D06-1 10 psi SHUTTLE CHECK D07	MANUAL E01 (No Solenoid) ELECTRIC SOLENOID DC (voltage, orifice diam.) E21 (12V, 1/16") E34 (24V, 3/64") DC LATCHING E23 (9/12V, 3/64") E29 (12-40 V, 5/64") AC	H2 External Internal for 2" & 3"			
A2" A3"	(Specify NPT or BSP) Includes Manual Selector & Mounting Bracket Kits VICTAULIC B6 Includes Manual Selector & Mounting Bracket Kits		10-120 PSI D13 (Brass) D23 (Plastic 2") D33 (Plastic 3") SUSTAINING 5-60 PSI D15 (Brass) D25 (Plastic 2") D35 (Plastic 3") 10-120 PSI D16 (Brass) D26 (Plastic 2") D36 (Plastic 3")	(Must also order solenoid or pressure control)	(voltage, orifice diam.) E43 (24V, 3/64") E46 (24V, 1/16") E50 (120V, 1/16") E53 (110V, 1/16")				



4", 6" & 8" VALVES

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SAMPLE ORDER: A6" B5 C2 D03 E40 H3. This configuration represents a 6" valve with wafer style connection (studs & nuts included), 30 to 200 PSI pressure rating, pressure reducing (10 - 120 PSI) control package with a 24VAC 1/16" solenoid, and an internal filter.



BIG GUN® VALVE COMBOS

Mount an 800 Series Control Valve directly to a Big Gun[®] Sprinkler with an ANSI base. For control of a pivot end gun with booster pump, use the 2" 800P Valve (D, E, H accessories not needed). For solid set applications, add a filter, solenoid and/or pressure control to your valve.

E	ASE VALVE		ACCESSORIES						
Α	В	С	D	E	H				
VALVE MATERIAL/SIZE	CONNECTION STYLE & HARDWARE	OPERATING PRESSURE	PRESSURE/FLOW Control	ON/OFF MODE	FILTER				
ALUMINUM	800P-2" PIVOT END GUN B12 (No studs) B11 (4 studs, 4 nuts) See chart in upper right for hardware included	C2 30-200 PSI C3 18-80 PSI							
ALUMINUM A2" A3" A4"	SOLID SET BIG GUN VALVE B17 2" & 3" Valve (4 studs, 4 nuts) 4" Valve (8 studs, 8 nuts) See chart in upper right for hardware included	C2 30-200 PSI C3 18-80 PSI	NONE D01 REDUCING 10-120 PSI D13 (Brass) D23 (Plastic 2") D33 (Plastic 3") D03 (Brass 4")	MANUAL E01 (No Solenoid) ELECTRIC SOLENOID DC LATCHING (voltage, orifice diam.) E29 (12-40 V, 5/64") AC (voltage, orifice diam.) E46 (24V, 1/16")	H2 External Internal for 2" & 3" H3 Internal				
CAST IRON	SOLID SET BIG GUN VALVE B18 (8 studs, 8 nuts) See chart above				for 4"				

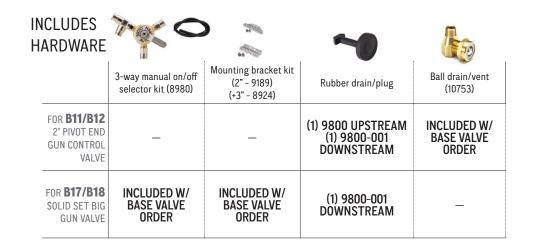
800P - 2" PIVOT END GUN CONTROL VALVE **Example: A2B11C3**

Specify ANSI Flange Connection on SR75 or SR100 Big Gun. Order Big Gun separately. Lower flange not included.)

SOLID SET BIG GUN[®] VALVE Example: A4B18C2D01E01H3

Specify ANSI Flange Connection on Big Gun (SR200 w/ wedge kit shown. Order Big Gun separately. Lower flange not included.)





SOLENOIDS & VALVE ACCESSORIES

3-Way Solenoid Specifications (For Electric On-Off choose from DC, DC Latching or AC Solenoids.)

MODEL *	MANUFAC- Turer	PART NUMBERS			RECOMM.	IN-	HOLD-	RESIS-		INLET ORI-		ELECTRI-	MAX.	
		КІТ	COIL +base	COIL	VOLTAGE ¹	VALVE SIZE	RUSH AMPS	ING AMPS	TANCE (ohm)	WATTS	FICE		CAL CON- NECTION	PRES- SURE
E21	PARKER	8925- 001	7510-001	7510-101	12 VDC	-	-	0.6	20	8	1.6 mm	1/16"	1/2" FNPT w/ Leads	175 psi
E23	BACCARA	8925- 035	7510-052	7510-152	9/12 VDC Lat	2" & 3"	-	-	4.2	3	1.2 mm	3/64"	>12" Leads	175 psi
E29		8925- 029	7510-029	NA	12-40 VDC Lat	-	-	-	-	-	2 mm	5/64"	47" Leads	175 psi
E30	PARKER	8925- 002	7510-002	7510-102	24 VDC	4", 6", & 8"	-	0.3	83	8	1.6 mm	1/16"	1/2" FNPT w/ Leads	175 psi
E34	BACCARA	8925- 037	7510-054	7510-154	24 VDC	2" & 3"	0.125	0.125	119	3	1.2 mm	3/64"	>12" Leads	175 psi
E40	GEM-SOL	8925- 043	7510-015	7510-115	24 VAC	4", 6", & 8"	0.15	0.15	diode ²	2.5	1.6 mm	1/16"	1/2" FNPT Plug-In	175 psi
E41	PARKER	8925- 003	7510-003	7510-103	24 VAC	4", 6", & 8"	1.1	0.65	7.8	8	1.6 mm	1/16"	1/2" FNPT w/ Leads	175 psi
E43	BACCARA	8925- 033	7510-050	7510-150	24 VAC	2" & 3"	0.125	0.125	diode ²	3	1.2 mm	3/64"	>12" Leads	175 psi
E46	GEM-SOL	8925- 044	7510-016	7510-116	24 VAC	-	0.8	0.43	9	5.5	1.6 mm	1/16"	1/2" FNPT Plug-In	175 psi
E50	PARKER	8925- 004	7510-004	7510-104	120 VAC	2", 3", 4", 6", & 8"	0.2	0.1	184	8	1.6 mm	1/16"	1/2" FNPT w/ Leads	175 psi
E52	PARKER	8925- 024	7510-033	7510-133	120 VAC	6" & 8"	0.7	0.3	27	17	3.2 mm	1/8"	1/2" FNPT w/ Leads	175 psi
E53	GEM-SOL	8925- 045	7510-051	7510-151	110 VAC	2" & 3"	0.15	0.11	230	5.5	1.6 mm	1/16"	1/2" FNPT Plug-In	175 psi

NOTES: "Lat" = Latch. The solenoid contains a magnet which holds the coil in the open/closed position, such that a constant current is not required, as in the case of non-latching solenoids. If the solenoid contains a diode, the resistance reading obtained using a voltmeter will be inaccurate (extremely high). This is because a diode acts like a check valve that only opens when a sufficient amount of "pressure" (voltage) is present.

			Two male quick connect with reducing or sustainir						
DESCRIPTION	4" Valve x 6" Flange Adapter Kit	6" Valve x 8" Flange Adapter Kit	Gauge	Male QC Fitting	Female QC Fitting	Gauge & Fittings Kit*	1/4" Valve Stem	Lock-on Gauge Chuck for 1/4" Valve Stem	Window + Controller w/ 12/24 VDC Lat.
PART NO.	11433 11433-001 (w/6" stud kit)	12225 1222-001 (w/8" stud kit)	8968-xxx (Specify Range: 0-60 PSI = -002; 0-160 PSI = -004; 0-200 PSI = -005)	9498	9438-002	10105-xxx	10104	10103	E33-1 for 2, 3" E20-1 for 4, 6, 8"

*Includes 2 Valve Stems & 1 lock-on chuck

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