

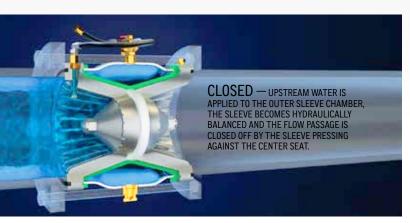






## CONTROL YOU CAN COUNT ON SEASON AFTER SEASON







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



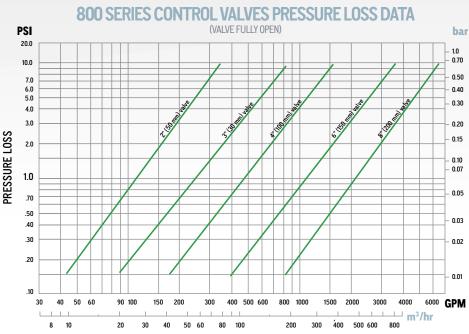








AS A HYDRAULICALLY OPERATED SLEEVE-TYPE VALVE, THE 800 SERIES CONTROL VALVE IS DESIGNED FOR VERSATILITY. THE BASIC BODY CAN BE EQUIPPED WITH SEVERAL DIFFERENT OPTIONS FOR CONTROLLING PRESSURE AND FLOW. IT'S ALSO ENGINEERED FOR EXTREMELY HIGH EFFICIENCY, RESULTING IN LOW PRESSURE LOSS AND HIGH FLOW CAPACITY.



**FLOW RATE** 

STAINLESS STEEL CENTER STUD



CAGE

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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).

В	SASE VALVE		ACCESSORIES						
Α	В	С	D		Е	Н			
VALVE MATERIAL/SIZE	CONNECTION STYLE & HARDWARE	OPERATING PRESSURE	PRESSURE/ Contro		ON/OFF MODE	FILTER			
ALUMINUM A2" A3"	WAFER STYLE B9 (No studs) Includes Manual Selector & Mounting Bracket Kits B10 (4 studs, 8 nuts) Includes Manual Selector & Mounting Bracket Kits	C1 10-50 PSI C2 30-200 PSI C3 18-80 PSI	NONE D01  REDUCING 5-30 PSI D11 (Brass) D21 (Plastic 2") D31 (Plastic 3")  5-60 PSI D12 (Brass) D22 (Plastic 2")	RATE-OF-FLOW D18 Specify flow rate & pipe size  SLEEVE EXHAUST D06 30 psi D06-1 10 psi	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")	H2 External Internal for 2" & 3"			
A2" A3"	THREADED  B3 (Specify NPT or BSP) Includes Manual Selector & Mounting Bracket Kits  VICTAULIC  B6 Includes Manual Selector & Mounting Bracket Kits		D32 (Plastic 3")  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 2")	SHUTTLE CHECK DO7 (Must also order solenoid or pressure control)	AC (voltage, orifice diam.)  E43 (24V, 3/64")  E46 (24V, 1/16")  E50 (120V, 1/16")  E53 (110V, 1/16")				



#### 4", 6" & 8" VALVES

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.

	BASE VALVE		ACCESSORIES						
Α	В	С	D	E	Н				
VALVE MATERIAL/SIZE	CONNECTION STYLE & HARDWARE	OPERATING PRESSURE	PRESSURE/FLOW Control	ON/OFF MODE	FILTER				
ALUMINUM A4"	WAFER STYLE B9 (No studs) Includes Manual Selector & Mounting Bracket Kits B10 (8 studs, 16 nuts) Includes Manual Selector & Mounting Bracket Kits  B23 (No studs) 4 x 6" Flange Adapters — Includes Manual Selector & Mounting Bracket Kits  B24 (8 studs, 16 nuts) 4 x 6" Flange Adapters w/ Stud Kit — Includes Manual Selector & Mounting Bracket Kits	C1 10-50 PSI C2 30-200 PSI C3 18-80 PSI	NONE D01  REDUCING large body pilot D02 (5-50 psi) D03 (10-120 psi) D04 (25-200 psi)  SUSTAINING large body pilot D05 (25-200 psi) D08 (10-120 psi) D09 (5-50 psi)  RATE-OF-FLOW D18 Specify flow rate & pipe size	MANUAL E01 (No Solenoid)  ELECTRIC SOLENOID DC (voltage, orifice diam.) E21 (12V, 1/16") E30 (24V, 1/16")  DC LATCHING E29 (12-40 V, 5/64")  AC (voltage, orifice diam.) E40 (24V, 1/16", 0.15A) E41 (24V, 1/16", 1.1A) E46 (24V, 1/16", 0.8A) E50 (120V, 1/16")	H2 External Internal for 4", 6", 8"				
CAST IRON A4" A6" A8"	WAFER STYLE  B4 (No studs) Includes Manual Selector & Mounting Bracket Kits  B5 (8 studs, 16 nuts)  4" Valve 6" Valve 8" Valve Includes Manual Selector & Mounting Bracket Kits  B21 (No studs)  4 x 6" 6 x 8" Flange Adapters — Includes Manual Selector & Mounting Bracket Kits  B22 (8 studs, 16 nuts)  4 x 6" 6 x 8" Flange Adapters w/ Stud Kit — Includes Manual Selector & Mounting Bracket Kits		SLEEVE EXHAUST  D06 30 psi  D06-1 10 psi  SHUTTLE CHECK  D07 (Brass) (Must also order solenoid or sustaining control)	(6 & 8° only)					

### **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.

Е	BASE VALVE		ACCESSORIES						
A	В	С	D	E	Н				
VALVE MATERIAL/SIZE	CONNECTION STYLE & HARDWARE	OPERATING PRESSURE	PRESSURE/FLOW Control	ON/OFF MODE	FILTER				
ALUMINUM A2"	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" CAST IRON	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  SOLID SET BIG	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  H3* Internal for 2" & 3"				
<b>A4</b> "	GUN VALVE B18 (8 studs, 8 nuts) See chart above								

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

SOLID SET BIG GUN\* VALVE Example: A4B18C2D01E01H3

#### INCLUDED HARDWARE









	3-way manual on/off selector kit (8980)	Mounting bracket kit (2" - 9189) (+3" - 8924)	Rubber drain/plug	Ball drain/vent (10753)
FOR <b>B11/B12</b> 2" PIVOT END GUN CONTROL VALVE	-	_	(1) 9800 UPSTREAM (1) 9800-100 DOWNSTREAM	INCLUDED W/ Base Valve
FOR <b>B17/B18</b> SOLID SET BIG GUN VALVE	INCLUDED W/ BASE VALVE	INCLUDED W/ BASE VALVE	(1) 9800-100 DOWNSTREAM	_



# SOLENOIDS & VALVE ACCESSORIES

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

# MANUFAC- PA		PART NUMBERS			RECOMM.	IN-	HOLD-			INLET OR			MAX.	
	TURER	KIT	COIL +BASE	COIL	VOLTAGE <sup>1</sup>	VALVE SIZE	RUSH AMPS	ING AMPS	TANCE (OHM)	WATTS		FICE CAL CON-		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	diode²	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	diode²	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 fittings are recommended with reducing or sustaining functions.





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 12225-001 (w/8" stud kit)	8968-xxx (Specify Range: 0-60 PSI = -002; 0-100 PSI = -003; 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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