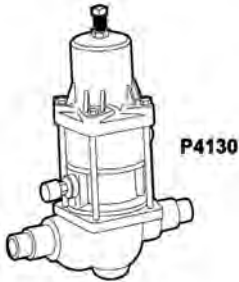
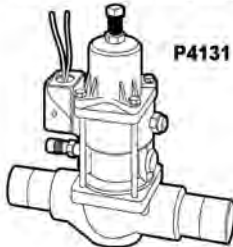


PARKER - PRESSURE REGULATING VALVES



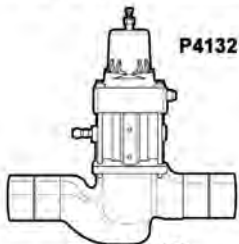
Parker Type A8A

5/8" - 1-1/8" ODS Connections



Parker Type A81S

1-1/8" - 2-1/8" ODS Connections



Parker Type A82

1-5/8" - 2-5/8" ODS Connections

For R-22, R-502, R-404A, R-507 and other common refrigerants

- Pilot operated for close control at desired set point.
- Long life diaphragms. No bellows to fail.
- Lightweight and compact for easy handling.
- Sweat-in-place without disassembly for fast installation.
- In-line disassembly for fast service.
- Available with pilot electric shut-off or pilot electric wide opening.
- Excellent regulation at light load.
- Parabolic plug for precise regulation at reduced capacities.

A8 Series Features

- Available for inlet, outlet or differential pressure control function.
- Dual set spring for smooth response from 10" hg to 400 psi.
- Low pressure drop — 1-1/2 psi at rated capacity — allows maximum compressor efficiency, saves energy.
- One valve handles high side or low side pressure control, reduces inventory.
- Controlled pressure remains constant within 1-1/2 psi of set point regardless of load fluctuations.
- Manual bypass opens regulator for quick pump down and ease in setting TXV superheat during startup.
- Furnished with access fitting for monitoring upstream system pressure.
- All servicing can be done with valve in line; A8's required only top access.
- Interchangeable capacity cartridges for all A8's.
- Stable drain control down to 20% of rated capacity when properly sized.

A9 Series Features

- External or internal equalizer available.
- A9 for outlet control function; high pressure difference applications.

SELECTION GUIDE

REGULATOR TYPE	FUNCTION	APPLICATION
A8A/A81/A82	Control inlet pressure	<ul style="list-style-type: none"> • Evaporator pressure regulator • Discharge pressure regulator • Liquid drain regulator
A8AS/A81S/A82S	Control inlet pressure with electric shutoff (defrost)	<ul style="list-style-type: none"> • Evaporator pressure regulator
A8AB/A81B/A82B	Control inlet pressure with wide opening (bypass)	<ul style="list-style-type: none"> • Evaporator pressure regulator • Discharge pressure regulator
A8AL/A81L/A82L	Control differential pressure	<ul style="list-style-type: none"> • Discharge pressure regulator • Liquid supply regulator • Oil pressure regulator
A8ABL/A81BL/A82BL	Control differential pressure with wide opening (bypass)	<ul style="list-style-type: none"> • Discharge pressure regulator • Liquid supply regulator

PARKER - PRESSURE REGULATING VALVES

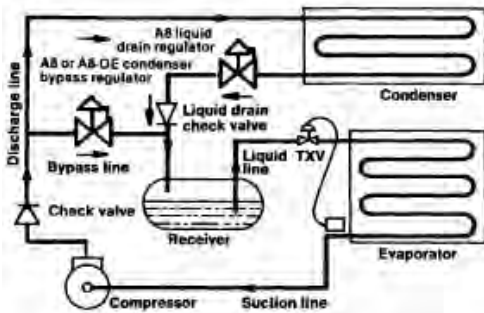


Fig. 1 — Liquid Drain Control Method

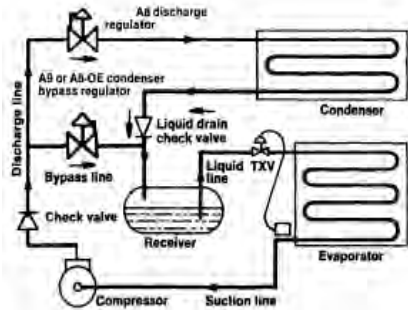


Fig. 2 — Discharge Gas Control Method

SIZING GUIDE FOR CONDENSER APPLICATIONS

Size valve by effective port size.

For Liquid Drain Regulator Applications (Fig. 1)

Conditions: 3 psi Pressure Drop

Type	Effective Port (in.)	U.S. Capacity in Tons		
		R-12	R-22	R-502
A8A	5/8 Reduced	5.4	7.4	4.6
A8A	5/8 Full	12.0	16.0	10.0
A8A	7/8	18.0	25.0	16.0
A81	7/8	18.0	25.0	16.0
A81	1-1/8	29.0	40.0	25.0
A81	1-3/8	41.0	55.0	35.0
A82	1-5/8	66.0	88.0	55.0
A82	2-1/8	98.0	130.0	83.0
A82	2-5/8	130.0	173.0	110.0

For Discharge Regulator Applications (Fig. 2)

Conditions: 5 psi Pressure Drop

Type	Effective Port (in.)	U.S. Capacity in Tons		
		R-12	R-22	R-502
A8A	5/8 Reduced	5.4	7.4	4.6
A8A	5/8 Full	12.0	16.0	10.0
A8A	7/8	18.0	25.0	16.0
A81	7/8	18.0	25.0	16.0
A81	1-1/8	29.0	40.0	25.0
A81	1-3/8	41.0	55.0	35.0
A82	1-5/8	66.0	88.0	55.0
A82	2-1/8	98.0	130.0	83.0
A82	2-5/8	130.0	173.0	110.0

For Conductor Bypass Regulator Applications (Fig. 1 and 2)

Conditions: 0° F Ambient 10 psi Pressure Drop

Type	Effective Port (in.)	U.S. Capacity in Tons		
		R-12	R-22	R-502
A9	5/8 Reduced	3.0	4.7	2.8
A9	5/8 Full	9.0	14.0	8.4
A9	7/8	13.0	20.0	12.0
A9	1-1/8	14.0	22.0	13.0

For Alternate Condenser Bypass Regulator (Range "A" Only) Applications (Fig. 1 and 2)

Conditions: 0° F Ambient 10 psi Pressure Drop

Type	Effective Port (in.)	U.S. Capacity in Tons		
		R-12	R-22	R-502
A8AL	5/8 Reduced	7.9	12.0	7.5
A8AL	5/8 Full	17.0	27.0	13.0
A8AL	7/8	27.0	42.0	26.0
A81L	7/8	27.0	42.0	26.0
A81L	1-1/8	43.0	66.0	40.0
A81L	1-3/8	60.0	93.0	56.0
A82L	1-5/8	95.0	147.0	90.0
A82L	2-1/8	143.0	221.0	135.0
A82L	2-5/8	190.0	292.0	180.0

Refrigeration

PARKER - PRESSURE REGULATORS A8 FLO-CON COMPACT WIDE-RANGE PRESSURE REGULATORS

PART NO	Type	Port Size (in)	Connection (in)	Range	Wt (lb)
101997	A8A	5/8	5/8	A	7
101706	A8A	5/8	5/8	A/D	7
101703	A8A	5/8	5/8	A/D (45% Cap.)	7
101707	A8A	5/8	7/8	A/D	7
101704	A8A	5/8	7/8	A/D (45% Cap.)	7
101711	A8A	7/8	7/8	A/D	7
101708	A8A	5/8	1-1/8	A/D	7
101705	A8A	5/8	1-1/8	A/D (45% Cap.)	7
101712	A8A	7/8	1-1/8	A/D	7
101709	A81	5/8	1-1/8	A/D	8.5
101713	A81	7/8	1-1/8	A/D	8.5
101716	A81	1-1/8	1-1/8	A/D	8.5
101720	A81	1-3/8	1-1/8	A/D	8.5
101710	A81	5/8	1-3/8	A/D	8.5
103155	A81	5/8	1-3/8	A/D (45% Cap.)	8.5
101714	A81	7/8	1-3/8	A/D	8.5
101717	A81	1-1/8	1-3/8	A/D	8.5
101721	A81	1-3/8	1-3/8	A/D	8.5
101715	A81	7/8	1-5/8	A/D	8.5
101718	A81	1-1/8	1-5/8	A/D	8.5
101722	A81	1-3/8	1-5/8	A/D	8.5
103041	A81	7/8	2-1/8	A/D	8.5
101719	A81	1-1/8	2-1/8	A/D	8.5
101723	A81	1-3/8	2-1/8	A/D	8.5
102920	A82	1-5/8	1-5/8	A/D	16.3
102921	A82	2-1/8	1-5/8	A/D	16.3
102921	A82	2-5/8	1-5/8	A/D	16.3
102922	A82	2-5/8	1-5/8	A/D	16.3
102923	A82	1-5/8	2-1/8	A/D	16.3
102924	A82	2-1/8	2-1/8	A/D	16.3
102925	A82	2-5/8	2-1/8	A/D	16.3
103282	A82	1-5/8	2-5/8	A/D	16.3
102927	A82	2-1/8	2-5/8	A/D	16.3
102928	A82	2-5/8	2-5/8	A/D	16.3

Standard Range A/D (10Hg to: A8A 7/8 in. x 1-1/8 in.

To order: Specify type, port and connection sizes. Example: A8A 7/8 in. x 1-in.

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Tools &
Instruments

Refrigeration

Refrigeration PARKER - PRESSURE REGULATORS A8 FLO-CON

COMPACT WIDE-RANGE PRESSURE REGULATORS — WITH ELECTRIC SHUT-OFF FEATURE

PART NO	Type	Port Size (in)	Connection (in)	Range	Wt (lb)
101769	A8AS	5/8	5/8	A/D	8.8
101766	A8AS	5/8	5/8	A/D (45% Cap.)	8.8
101770	A8AS	5/8	7/8	A/D	8.8
101767	A8AS	5/8	7/8	A/D (45% Cap.)	8.8
101774	A8AS	7/8	7/8	A/D	8.8
101771	A8AS	5/8	1-1/8	A/D	8.8
101768	A8AS	5/8	1-1/8	A/D (45% Cap.)	8.8
101775	A8AS	7/8	1-1/8	A/D	8.8
101772	A81S	5/8	1-1/8	A/D	10.3
101776	A81S	7/8	1-1/8	A/D	10.3
101779	A81S	1-1/8	1-1/8	A/D	10.3
101783	A81S	1-3/8	1-1/8	A/D	10.3
101773	A81S	5/8	1-3/8	A/D	10.3
101777	A81S	7/8	1-3/8	A/D	10.3
101780	A81S	1-1/8	1-3/8	A/D	10.3
101784	A81S	1-3/8	1-3/8	A/D	10.3
101778	A81S	7/8	1-5/8	A/D	10.3
101781	A81S	1-1/8	1-5/8	A/D	10.3
101785	A81S	1-3/8	1-5/8	A/D	10.3
101782	A81S	1-1/8	2-1/8	A/D	10.3
101786	A81S	1-3/8	2-1/8	A/D	10.3
102934	A82S	1-5/8	1-5/8	A/D	16.5
102936	A82S	2-1/8	1-5/8	A/D	16.5
102939	A82S	2-5/8	1-5/8	A/D	16.5
102935	A82S	1-5/8	2-1/8	A/D	16.5
102937	A82S	2-1/8	2-1/8	A/D	16.5
102940	A82S	2-5/8	2-1/8	A/D	16.5
103286	A82S	1-5/8	2-5/8	A/D	16.5
102938	A82S	2-1/8	2-5/8	A/D	16.5
102941	AB2S	2-5/8	2-5/8	A/D	16.5

"S" feature — Regulating when energized; closed when de-energized. Standard Range A/D (10 Hg to 400 psig).
 To order: Specify type, port and connection sizes and voltage. Example: A82S 2-1/8 in. x 2-1/8 in. 120 V, 60 Hz.
 Standard coil voltages: 24, 120, 208, 240 Volt, 60 Hertz. 110, 220 Volt, 50 Hertz.

COMPACT WIDE-RANGE PRESSURE REGULATORS — LESS COIL — WITH WIDE OPENING FEATURE

PART NO	Type	Port Size (in)	Connection (in)	Range	Wt (lb)
101727	A8AB	5/8	5/8	A/D	8.8
101724	A8AB	5/8	5/8	A/D (45% Cap.)	8.8
101728	A8AB	5/8	7/8	A/D	8.8
101725	A8AB	5/8	7/8	A/D (45% Cap.)	8.8
101732	A8AB	7/8	7/8	A/D	8.8
101729	A8AB	5/8	1-1/8	A/D	8.8
101726	A8AB	5/8	1-1/8	A/D (45% Cap.)	8.8
101733	A8AB	7/8	1-1/8	A/D	8.8
101730	A81B	5/8	1-1/8	A/D	10.3
101734	A81B	7/8	1-1/8	A/D	10.3
101737	A81B	1-1/8	1-1/8	A/D	10.3
101741	A81B	1-3/8	1-1/8	A/D	10.3
101731	A81B	5/8	1-3/8	A/D	10.3
101735	A81B	7/8	1-3/8	A/D	10.3
101738	A81B	1-1/8	1-3/8	A/D	10.3
101742	A81B	1-3/8	1-3/8	A/D	10.3
101736	A81B	7/8	1-5/8	A/D	10.3
101739	A81B	1-1/8	1-5/8	A/D	10.3
101743	A81B	1-3/8	1-5/8	A/D	10.3
101740	A81B	1-1/8	2-1/8	A/D	10.3
101744	A81B	1-3/8	2-1/8	A/D	10.3
102942	A82B	1-5/8	1-5/8	A/D	16.5
102945	A82B	2-1/8	1-5/8	A/D	16.5
102944	A82B	2-5/8	1-5/8	A/D	16.5
102943	A82B	1-5/8	2-1/8	A/D	16.5
102946	A82B	2-1/8	2-1/8	A/D	16.5
102948	A82B	2-5/8	2-1/8	A/D	16.5
103283	A82B	1-5/8	2-5/8	A/D	16.5
102947	A82B	2-1/8	2-5/8	A/D	16.5
102949	A82B	2-5/8	2-5/8	A/D	16.5

"B" feature — Wide open when energized, regulating when de-energized. Standard Range A/D (10Hg to 400 psig).
 To order: Specify type, port and connection sizes and voltage. Example: A8AB 5/8 in. x 7/8 in. 240 V, 60 Hz.
 Standard coil voltages: 24, 120, 208, 240 Volt, 60 Hertz. 110, 220 Volt, 50 Hertz.

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 Refrigeration

Refrigeration PARKER - PRESSURE REGULATORS A8 FLO-CON

COMPACT WIDE-RANGE PRESSURE REGULATORS — WITH ELECTRIC SHUT-OFF FEATURE

PART NO	Type	Port Size (in)	Connection (in)	Range
103904	A8ABS	5/8	5/8	A/D
103901	A8ABS	5/8	5/8	A/D (45% Cap.)
103905	A8ABS	5/8	7/8	A/D
103902	A8ABS	5/8	7/8	A/D (45% Cap.)
103909	A8ABS	7/8	7/8	A/D
103906	A8ABS	5/8	1-1/8	A/D
103903	A8ABS	5/8	1-1/8	A/D (45% Cap.)
103910	A8ABS	7/8	1-1/8	A/D
103907	A81BS	5/8	1-1/8	A/D
103911	A81BS	7/8	1-1/8	A/D
103914	A81BS	1-1/8	1-1/8	A/D
103918	A81BS	1-3/8	1-1/8	A/D
103908	A81BS	5/8	1-3/8	A/D
103912	A81BS	7/8	1-3/8	A/D
103915	A81BS	1-1/8	1-3/8	A/D
103919	A81BS	1-3/8	1-3/8	A/D
103913	A81BS	7/8	1-5/8	A/D
103916	A81BS	1-1/8	1-5/8	A/D
103920	A81BS	1-3/8	1-5/8	A/D
103917	A81BS	1-1/8	2-1/8	A/D
103921	A81BS	1-3/8	2-1/8	A/D
104313	A82BS	1-5/8	1-5/8	A/D
104314	A82BS	1-5/8	2-1/8	A/D
104317	A82BS	2-1/8	2-1/8	A/D
104315	A82BS	1-5/8	2-5/8	A/D
104318	A82BS	2-1/8	2-5/8	A/D
104321	AB2BS	2-5/8	2-5/8	A/D

"B" feature — Wide open when energized, regulating when de-energized. "S" feature — Electric shutoff. Standard Range A/D (10 Hg to 400 psig). To order: Specify type, port and connection sizes and voltage. Example: A8ABS 5/8 in. x 7/8 in. 240 V, 60 Hz.

DIFFERENTIAL PRESSURE REGULATORS

PART NO	Type	Port Size (in)	Connection (in)	Range	Wt (lb)
101953	A8AL	5/8	5/8	A	7.0
101950	A8AL	5/8	5/8	A (45% Cap.)	7.0
101954	A8AL	5/8	7/8	A	7.0
101951	A8AL	5/8	7/8	A (45% Cap.)	7.0
101958	A8AL	7/8	7/8	A	7.0
101955	A8AL	5/8	1-1/8	A	7.0
101952	A8AL	5/8	1-1/8	A (45% Cap.)	7.0
101959	A8AL	7/8	1-1/8	A	7.0
101956	A81L	5/8	1-1/8	A	8.5
101960	A81L	7/8	1-1/8	A	8.5
101963	A81L	1-1/8	1-1/8	A	8.5
101967	A81L	1-3/8	1-1/8	A	8.5
101957	A81L	5/8	1-3/8	A	8.5
101961	A81L	7/8	1-3/8	A	8.5
101964	A81L	1-1/8	1-3/8	A	8.5
101968	A81L	1-3/8	1-3/8	A	8.5
101962	A81L	7/8	1-5/8	A	8.5
101965	A81L	1-1/8	1-5/8	A	8.5
101969	A81L	1-3/8	1-5/8	A	8.5
102101	A81L	7/8	2-1/8	A	8.5
101966	A81L	1-1/8	2-1/8	A	8.5
101970	A81L	1-3/8	2-1/8	A	8.5
102950	A82L	1-5/8	1-5/8	A	17.6
102953	A82L	2-1/8	1-5/8	A	17.6
102952	A82L	2-5/8	1-5/8	A	17.6
102951	A82L	1-5/8	2-1/8	A	17.6
102954	A82L	2-1/8	2-1/8	A	17.6
102956	A82L	2-5/8	2-1/8	A	17.6
103285	A82L	1-5/8	2-5/8	A	17.6
102955	A82L	2-1/8	2-5/8	A	17.6
102957	A82L	2-5/8	2-5/8	--	17.6

L" feature — Maintains a set pressure difference between inlet and outlet. Standard Range A (0 - 90 psig). To order: Specify type, port and connection sizes and voltage. Example: A81L 1-1/8 in. x 1-1/8.

Refrigeration

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PARKER - PRESSURE REGULATORS A8 FLO-CON DIFFERENTIAL PRESSURE REGULATORS — LESS COIL — WITH WIDE OPENING FEATURE

PART NO	Type	Port Size (in)	Connection (in)	Range	Wt (lb)
101748	A8ABL	5/8	5/8	A	8.8
101745	A8ABL	5/8	5/8	A (45% Cap.)	8.8
101749	A8ABL	5/8	7/8	A	8.8
101746	A8ABL	5/8	7/8	A (45% Cap.)	8.8
101753	A8ABL	7/8	7/8	A	8.8
101750	A8ABL	5/8	1-1/8	A	8.8
101747	A8ABL	5/8	1-1/8	A (45% Cap.)	8.8
101754	A8ABL	7/8	1-1/8	A	8.8
101751	A81BL	5/8	1-1/8	A	10.3
101755	A81BL	7/8	1-1/8	A	10.3
101758	A81BL	1-1/8	1-1/8	A	10.3
101762	A81BL	1-3/8	1-1/8	A	10.3
101752	A81BL	5/8	1-3/8	A	10.3
101756	A81BL	7/8	1-3/8	A	10.3
101759	A81BL	1-1/8	1-3/8	A	10.3
101763	A81BL	1-3/8	1-3/8	A	10.3
101757	A81BL	7/8	1-5/8	A	10.3
101760	A81BL	1-1/8	1-5/8	A	10.3
101764	A81BL	1-3/8	1-5/8	A	10.3
102099	A81BL	7/8	2-1/8	A	10.3
101761	A81BL	1-1/8	2-1/8	A	10.3
101765	A81BL	1-3/8	2-1/8	A	10.3
102958	A82BL	1-5/8	1-5/8	A	17.8
102961	A82BL	2-1/8	1-5/8	A	17.8
102960	A82BI	2-5/8	1-5/8	A	17.8
102959	A82BL	1-5/8	2-1/8	A	17.8
102962	A82BL	2-1/8	2-1/8	A	17.8
102964	A82BL	2-5/8	2-1/8	A	17.8
103284	A82BL	1-5/8	2-5/8	A	17.8
102963	A82BL	2-1/8	2-5/8	A	17.8
102965	A82BL	2-5/8	2-5/8	A	17.8

“BL” feature —Wide open when energized, regulating pressure differential when de-energized.

Standard Range A (0 - 90 psig).

To order: Specify type, port and connection sizes and voltage.

Example: A82BL 2-1/8 in. x 2-1/8 in. 208 V, 60 Hz.

Standard coil voltages: 24, 120, 208, 240 Volt, 60 Hertz. 110, 220 Volt, 50 Hertz.

PARKER - PRESSURE REGULATORS A8 FLO-CON CRANKCASE OUTLET PRESSURE REGULATORS

PART NO	Type	Port Size (in)	Connection (in)	Range	Wt (lb)
101895	A8AOE	5/8	5/8	A/D	7
101892	A8AOE	5/8	5/8	A/D (45% Cap.)	7
101896	A8AOE	5/8	7/8	A/D	7
101893	A8AOE	5/8	7/8	A/D (45% Cap.)	7
101900	A8AOE	7/8	7/8	A/D	7
101897	A8AOE	5/8	1-1/8	A/D	7
101894	A8AOE	5/8	1-1/8	A/D (45% Cap.)	7
101901	A8AOE	7/8	1-1/8	A/D	7
101898	A81OE	5/8	1-1/8	A/D	8.5
101902	A81OE	7/8	1-1/8	A/D	8.5
101905	A81OE	1-1/8	1-1/8	A/D	8.5
101909	A81OE	1-3/8	1-1/8	A/D	8.5
101899	A81OE	5/8	1-3/8	A/D	8.5
101903	A81OE	7/8	1-3/8	A/D	8.5
101906	A81OE	1-1/8	1-3/8	A/D	8.5
101910	A81OE	1-3/8	1-3/8	A/D	8.5
101984	A81OE	5/8	1-5/8	A/D	8.5
101983	A81OE	5/8	1-5/8	A/D (45% Cap.)	8.5
101904	A81OE	7/8	1-5/8	A/D	8.5
101907	A81OE	1-1/8	1-5/8	A/D	8.5
101911	A81OE	1-3/8	1-5/8	A/D	8.5
102661	A81OE	5/8	2-1/8	A/D	8.5
105760	A81OE	7/8	2-1/8	A/D	8.5
101908	A81OE	1-1/8	2-1/8	A/D	8.5
101912	A81OE	1-3/8	2-1/8	A/D	8.5
102966	A82OE	1-5/8	1-5/8	A/D	16.9
102970	A82OE	2-1/8	1-5/8	A/D	16.9
103275	A82OE	1-5/8	2-1/8	A/D	16.9
102969	A82OE	2-1/8	2-1/8	A/D	16.9
103276	A82OE	1-5/8	2-5/8	A/D	16.9
103270	A82OE	2-1/8	2-5/8	A/D	16.9

"O" feature - Regulates outlet pressure.

To order: Specify type, port, connection sizes, & voltage.

Standard Range A/D (10Hg to 400 psig) Example: A8AOE 5/8 in. x 7/8 in.

CRANKCASE (OUTLET) PRESSURE REGULATORS — WITH ELECTRIC SHUTOFF FEATURE

PART NO	Type	Port Size (in)	Connection (in)	Range	Wt (lb)
101832	A8AOES	5/8	5/8	A/D	8.8
101829	A8AOES	5/8	5/8	A/D (45% Cap.)	8.8
101833	A8AOES	5/8	7/8	A/D	8.8
101830	A8AOES	5/8	7/8	A/D (45% Cap.)	8.8
101837	A8AOES	7/8	7/8	A/D	8.8
101834	A8AOES	5/8	1-1/8	A/D	8.8
101831	A8AOES	5/8	1-1/8	A/D (45% Cap.)	8.8
101838	A8AOES	7/8	1-1/8	A/D	8.8
101835	A81OES	5/8	1-1/8	A/D	10.3
101839	A81OES	7/8	1-1/8	A/D	10.3
101842	A81OES	1-1/8	1-1/8	A/D	10.3
101846	A81OES	1-3/8	1-1/8	A/D	10.3
101836	A81OES	5/8	1-3/8	A/D	10.3
101840	A81OES	7/8	1-3/8	A/D	10.3
101843	A81OES	1-1/8	1-3/8	A/D	10.3
101847	A81OES	1-03/8	1-3/8	A/D	10.3
101841	A81OES	7/8	1-5/8	A/D	10.3
101844	A81OES	1-1/8	1-5/8	A/D	10.3
101848	A81OES	1-3/8	1-5/8	A/D	10.3
101845	a82oes	1-1/8	2-1/8	a/d	10.3
101849	a81oes	1-3/8	2-1/8	A/D	10.3

"O" feature — Regulates outlet pressure. To order: Specify type, port and connection sizes and voltage.

"A" feature — Electric shutoff.

Example: A81OES 1-3/8 in. x 1-3/8 in.

Standard Range A/D (10 - 400 psig).

Standard coil voltages: 24, 120, 208, 240 Volt, 60 Hz. 110, 220 Volt, 50 Hz.

Refrigeration

Compressors, Chillers, Condensers
 Motors
 Electrical
 Heating Components
 Indoor Air Quality
 Thermostats
 Oils & Chemicals
 Accessories, Supplies & Commodities
 Tools & Instruments
 Refrigeration

PARKER - PRESSURE REGULATORS A8 FLO-CON HOT GAS BYPASS REGULATORS

PART NO	Type	Port Size (in)	Connection (in)	Range	Wt (lb)
100912	A9	5/8	5/8	A	3.0
100911	A9	5/8	5/8	A (30% Cap.)	3.0
100916	A9	5/8	5/8	B	3.0
100915	A9	5/8	5/8	B (30% Cap.)	3.0
101622	A9	7/8	5/8	A	3.0
101562	A9	7/8	5/8	B	3.0
103004	A9	1-1/8	5/8	A	3.0
101405	A9	5/8	7/8	A	3.3
103746	A9	5/8	7/8	A (30% Cap.)	3.3
101463	A9	5/8	7/8	B	3.3
102903	A9	5/8	7/8	B (30% Cap.)	3.3
100913	A9	7/8	7/8	A	3.3
100917	A9	7/8	7/8	B	3.3
106421	A9	5/8	1-1/8	A	3.3
101987	A9	5/8	1-1/8	B (30% Cap.)	3.3
101660	A9	7/8	1-1/8	A	3.3
102055	A9	7/8	1-1/8	B	3.3
100914	A9	1-1/8	1-1/8	A	3.3
100918	A9	1-1/8	1-1/8	B	3.3
100931	A9E	5/8	5/8	A	3.0
100930	A9E	5/8	5/8	A (30% Cap.)	3.0
100935	A9E	5/8	5/8	B	3.0
100934	A9E	5/8	5/8	B (30% Cap.)	3.0
101421	A9E	7/8	5/8	A	3.0
103594	A9E	7/8	5/8	B	3.0
101928	A9E	1-1/8	5/8	A	3.0
103293	A9E	1-1/8	5/8	B	3.0
101386	A9E	5/8	7/8	A	3.3
102032	A9E	5/8	7/8	A (30% Cap.)	3.3
102650	A9E	5/8	7/8	B	3.3
100932	A9E	7/8	7/8	A	3.3
100936	A9E	7/8	7/8	B	3.3
101466	A9E	5/8	1-1/8	A	3.3
102810	A9E	5/8	1-1/8	B	3.3
102133	A9E	7/8	1-1/8	A	3.3
100933	A9E	1-1/8	1-1/8	A	3.3
100937	A9E	1-1/8	1-1/8	B	3.3

Standard Range "A" - 10 in. Hg to 120 psig. Optional Range "B" - 80 to 220 psig

To order: Specify type, port, connection, and range.

Example: A9E 5/8 in. x 5/8 in. range A. Range "A" furnished unless otherwise specified.

HOT GAS BYPASS REGULATORS — LESS COIL — WITH WIDE OPEN FEATURE

PART NO	Type	Port Size (in)	Connection (in)	Range
103115	A9B	5/8	5/8	A
102868	A9B	5/8	5/8	B
103116	A9B	7/8	7/8	A
102869	A9B	7/8	7/8	B
103117	A9B	1-1/8	1-1/8	A
102870	A9B	1-1/8	1-1/8	B

Standard Range "A" - 10 in. Hg to 120 psig. Optional Range "B" - 80 to 220 psig.

To order: Specify type, port, connection, and range.

Example: A9B 5/8 in. x 5/8 in., 120 V, Range "A" furnished unless otherwise specified.

PARKER - PRESSURE REGULATORS A8 FLO-CON

HOT GAS BYPASS REGULATORS — LESS COIL — EXPLOSION PROOF WITH ELECTRIC SHUTOFF FEATURE

PART NO	Type	Port Size (in)	Connection (in)	Range
100946	A9SEX	5/8	5/8	A
103795	A9SEX	5/8	5/8	A (30% Cap.)
100949	A9SEX	5/8	5/8	B
100947	A9SEX	7/8	7/8	A
100950	A9SEX	7/8	7/8	B
100948	A9SEX	1-1/8	1-1/8	A
100951	A9SEX	1-1/8	1-1/8	B

Standard Range "A" - 10 in. Hg to 120 psig.

Optional Range "B" - 80 to 220 psig.

To order: Specify type, port, connection, and range.

Example: A9SEX 5/8 in. x 5/8 in. 120 V, Range "A" furnished unless otherwise specified.

HOT GAS BYPASS REGULATORS — LESS COIL — WITH ELECTRIC SHUTOFF

PART NO	Type	Port Size (in)	Connection (in)	Range	Wt (lb)
100923	A9S	5/8	5/8	A	3.5
100922	A9S	5/8	5/8	A (30% Cap.)	3.5
100927	A9S	5/8	5/8	B	3.5
100926	A9S	5/8	5/8	B (30% Cap.)	3.5
106407	A9S	5/8	7/8	A	3.8
106491	A9S	5/8	7/8	B	3.8
100924	A9S	7/8	7/8	A	3.8
100928	A9S	7/8	7/8	B	3.8
102794	A9S	5/8	1-1/8	A (30% Cap.)	3.8
106408	A9S	7/8	1-1/8	A	3.8
100925	A9S	1-1/8	1-1/8	A	3.8
100929	A9S	1-1/8	1-1/8	B	3.8
100939	A9SE	5/8	5/8	A	3.5
100938	A9SE	5/8	5/8	A (30% Cap.)	3.5
100943	A9SE	5/8	5/8	B	3.5
100942	A9SE	5/8	5/8	B (30% Cap.)	3.5
102893	A9SE	7/8	5/8	A	3.5
101435	A9SE	5/8	7/8	A	3.8
101986	A9SE	5/8	7/8	A (30% Cap.)	3.8
102929	A9SE	5/8	7/8	B	3.8
100940	A9SE	7/8	7/8	A	3.8
100944	A9SE	7/8	7/8	B	3.8
106879	A9SE	5/8	1-1/8	A	3.8
101545	A9SE	7/8	1-1/8	A	3.8
102074	A9SE	7/8	1-1/8	B	3.8
100941	A9SE	1-1/8	1-1/8	A	3.8
100945	A9SE	1-1/8	1-1/8	B	3.8

Standard Range "A" - 10 in. Hg to 120 psig.

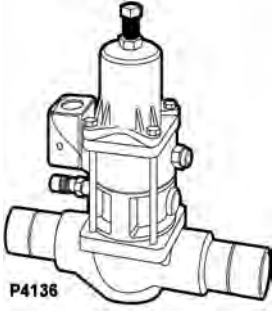
Optional Range "B" - 80 to 220 psig.

To order: Specify type, port, connection, and range.

Example: A9SE 5/8 in. x 5/8 in., 120 V, Range "A" furnished unless otherwise specified.

PARKER - EVAPORATOR PRESSURE REGULATORS

PARKER (S)PORT, (S)PORT II



FEATURES AND BENEFITS

- Highest capacity commercial regulator in the industry.
- Sweat-in-place without disassembly.
- Interchangeable capacity cartridges.
- Low pressure drop.
- Manual opening stem.
- Variations include electric shut-off along with bypass and shut-off feature.
- (S)PORT-II with corrosion resistant aluminum bronze construction.
- All stainless steel bolts, stem, locking nut, piston and plug.
- Dual voltage 208/240/60 Hz coil.

SPECIFICATIONS

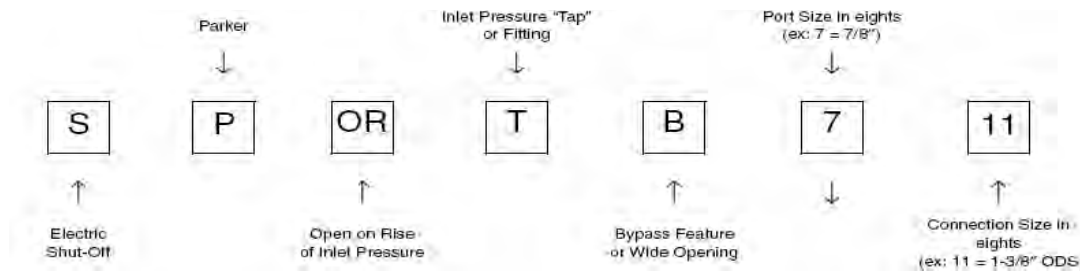
- Design pressure (M.R.P.): 450 psig (31.0 bar).
- Minimum fluid temperature -40° F (-40° C).
- Operating range: 10 in. Hg to 120 psig (250 mm Hg to 8.3 bar).
- UL listed (except 50 Hz versions), file SA5473.
- CSA certified, file LR20991-14.

STANDARD VOLTAGES

- 120 V/50 Hz, 110 V/50 Hz.
- 208 V/240 V/50 Hz, 220 V/50 Hz.
- 240 V/50 Hz.
- 240 V/50 Hz, 220 V/50 Hz (DIN).
- 240 V/50 Hz (DIN).

PARKER - EVAPORATOR PRESSURE REGULATORS

PARKER (S)PORT, (S)PORT II



Available Port Sizes: 3/8", 5/8", 7/8", 1-1/8", 1-3/8", 1-5/8", 2-1/8", 2-5/8"

Available Connection Sizes: 7/8", 1-1/8", 1-3/8", 1-5/8", 2-1/8", 2-5/8"

Coil Voltages: (24/60 24/50) (120/60 110/50) (240/60 220/50) (480/60 440/50)

Selection Procedure

This brochure has been developed for easy sizing and selection of the (S)PORT valve. Valve operation and parts information is available in the (S)PORT product Bulletin 26-01. Selecting the proper port size EPR valve is relatively easy when using the capacity tables. Certain basic information must be known and some specific steps should be followed to ensure accurate port size selection. The following guidelines have been provided to help make the selection process simple.

Specific operating conditions need to be known:

1. What is the refrigerant being used?
2. What is the medium flowing through the valve? (Suction vapor, hot gas, sub-cooled liquid, etc.).
3. How much is flowing through the valve? (Tons, btu/hr, MBH).
4. What is the valve inlet pressure or temperature?
5. What is the valve outlet pressure or temperature?
6. What is the liquid temperature to the evaporator?

Once the preceding information is known, a selection from the capacity table can be made.

(S)PORT Selection Table R-404A Low Temperature

Effective Port Size (in.) (Port size designation in model #)		3/8 (3)	5/8 (5)	7/8 (7)	1-1/8 (9)	1-3/8 (11)	1-5/8 (13)	2-1/8 (17)
Compr. Rack Suction Temp (°F)	Case Evap Temp (°F)	Valve Capacities — MBH						
-10	+20	27.00	59.40	91.80	145.8	203.4	324.0	486.0
	+15	23.07	50.76	78.45	124.6	173.8	276.9	415.3
	+10	19.33	42.52	65.71	104.4	145.6	231.9	347.9
	+5	15.67	34.48	53.29	84.6	118.1	188.1	282.1
	0	11.99	26.38	40.77	64.8	90.3	143.9	215.9
	-10	2.60	5.72	8.83	14.0	19.6	31.2	46.8
-20	+20	25.69	56.52	87.35	138.7	193.5	308.3	462.4
	+10	21.88	48.13	74.39	118.1	164.8	262.5	393.8
	0	15.56	34.24	52.92	84.0	117.2	186.8	280.1
	-10	9.59	21.09	32.60	51.8	72.2	115.0	172.6
	-15	6.33	13.92	21.51	34.2	47.7	75.9	113.9
	-20	2.24	4.94	7.63	12.1	16.9	26.9	40.4
-25	+10	20.57	45.24	69.92	111.1	154.9	246.8	370.2
	0	16.70	36.73	56.77	90.2	125.8	200.4	300.5
	-10	11.23	24.70	38.17	60.6	84.6	134.7	202.1
	-15	8.54	18.79	29.03	46.1	64.3	102.5	153.7
	-20	5.63	12.38	19.13	30.4	42.4	67.5	101.3
	-25	2.08	4.58	7.08	11.2	15.7	25.0	37.5
-30	+10	20.57	45.24	69.92	111.1	154.9	246.8	370.2
	0	16.31	35.87	55.44	88.1	122.8	195.7	293.5
	-10	12.40	27.29	42.17	67.0	93.4	148.8	223.2
	-20	7.58	16.67	25.76	40.9	57.1	90.9	136.4
	-25	4.99	10.97	16.95	26.9	37.6	59.8	89.7
	-30	1.93	4.24	6.55	10.4	14.5	23.1	34.7
-40	0	16.30	35.87	55.44	88.1	122.8	195.7	293.5
	-10	12.79	28.13	43.47	69.0	96.3	153.4	230.1
	-20	9.75	21.46	33.17	52.7	73.5	117.1	175.6
	-25	7.83	17.23	26.62	42.3	59.0	94.0	140.9
	-30	5.92	13.02	20.12	32.0	44.6	71.0	106.5
	-35	3.88	8.53	13.18	20.9	29.2	46.5	69.8
-40	1.64	3.60	5.57	8.8	12.3	19.6	29.5	

NOTE: Capacities are based on 100° F liquid, saturated evaporator and 10° F superheat at valve inlet (per ARI 770-84). For each 10° F liquid is below 100° F, INCREASE capacity values by 6%.

Refrigeration

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 Tools & Instruments
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PARKER - REGULATORS FLO-CON (S)PORT, (S)PORT II EVAPORATOR PRESSURE REGULATORS (Ductile Iron Body)

PART NO	MODEL NO	Type	Port Size (in)	Connection (in)	Range	Wt (lb)
107489	PORT 03 - 05	PORT	3/8	5/8	A	7.6
107491	PORT 05 - 05	PORT	5/8	5/8	A	7.6
103626	PORT 03 - 07	PORT	3/8	7/8	A	7.6
103627	PORT 05 - 07	PORT	5/8	7/8	A	7.6
103628	PORT 07 - 07	PORT	7/8	7/8	A	7.6
103629	PORT 09 - 07	PORT	1-1/8	7/8	A	7.6
103606	PORT 03 - 09	PORT	3/8	1-1/8	A	7.6
103563	PORT 05 - 09	PORT	5/8	1-1/8	A	7.6
103565	PORT 07 - 09	PORT	7/8	1-1/8	A	7.6
103568	PORT 09 - 09	PORT	1-1/8	1-1/8	A	7.6
103572	PORT 11 - 09	PORT	1-3/8	1-1/8	A	7.6
103607	PORT 03 - 11	PORT	3/8	1-3/8	A	7.6
103564	PORT 05 - 11	PORT	5/8	1-3/8	A	7.6
103566	PORT 07 - 11	PORT	7/8	1-3/8	A	7.6
103569	PORT 09 - 11	PORT	1-1/8	1-3/8	A	7.6
103573	PORT 11 - 11	PORT	1-3/8	1-3/8	A	7.6
103608	PORT 03 - 13	PORT	3/8	1-5/8	A	8.3
103610	PORT 05 - 13	PORT	5/8	1-5/8	A	8.3
103567	PORT 07 - 13	PORT	7/8	1-5/8	A	8.3
103570	PORT 09 - 13	PORT	1-1/8	1-5/8	A	8.3
103574	PORT 11 - 13	PORT	1-3/8	1-5/8	A	8.3
103832	PORT 13 - 13	PORT	1-5/8	1-5/8	A	8.3
103835	PORT 17 - 13	PORT	2-1/8	1-5/8	A	8.3
103838	PORT 21 - 13	PORT	2-5/8	1-5/8	A	8.3
103609	PORT 03 - 17	PORT	3/8	2-1/8	A	8.3
103611	PORT 05 - 17	PORT	5/8	2-1/8	A	8.3
103612	PORT 07 - 17	PORT	7/8	2-1/8	A	8.3
103571	PORT 09 - 17	PORT	1-1/8	2-1/8	A	8.3
103575	PORT 11 - 17	PORT	1-3/8	2-1/8	A	8.3
103833	PORT 13 - 17	PORT	1-5/8	2-1/8	A	14.9
103836	PORT 17 - 17	PORT	2-1/8	2-1/8	A	14.9
103839	PORT 21 - 17	PORT	2-5/8	2-1/8	A	14.9
103834	PORT 13 - 21	PORT	1-5/8	2-5/8	A	17.2
103837	PORT 17 - 21	PORT	2-1/8	2-5/8	A	17.2
103840	PORT 21 - 21	PORT	2-5/8	2-5/8	A	17.2

EVAPORATOR PRESSURE REGULATORS (Ductile Iron Body) — WITH WIDE OPEN FEATURE

PART NO	MODEL NO	Type	Port Size (in)	Connection (in)	Range	Wt (lb)
106609	PORT B 13 - 13	PORT B	1-5/8	1-5/8	A	8.9
106719	PORT B 17 - 17	PORT B	2-1/8	2-1/8	A	15.5
106885	PORT B 21 - 21	PORT B	2-5/8	2-5/8	A	17.8

Standard Range — 10 in. Hg to 120 psig.

To order: Specify type, port size, and connection size, or part number.

Refrigeration

PARKER - REGULATORS FLO-CON (S)PORT, (S)PORT II EVAPORATOR PRESSURE REGULATORS (Aluminum Bronze Body)

PART NO	MODEL NO	Type	Port Size (in)	Connection (in)	Range	Wt (lb)
104572	PORT II 03 - 07	PORT II	3/8	7/8	A	7.6
104577	PORT II 05 - 07	PORT II	5/8	7/8	A	7.6
104582	PORT II 07 - 07	PORT II	7/8	7/8	A	7.6
104587	PORT II 09 - 07	PORT II	1-1/8	7/8	A	7.6
104573	PORT II 03 - 09	PORT II	3/8	1-1/8	A	7.6
104578	PORT II 05 - 09	PORT II	5/8	1-1/8	A	7.6
104583	PORT II 07 - 09	PORT II	7/8	1-1/8	A	7.6
104588	PORT II 09 - 09	PORT II	1-1/8	1-1/8	A	7.6
104592	PORT II 11 - 09	PORT II	1-3/8	1-1/8	A	7.6
104574	PORT II 03 - 11	PORT II	3/8	1-3/8	A	7.6
104579	PORT II 05 - 11	PORT II	5/8	1-3/8	A	7.6
104584	PORT II 07 - 11	PORT II	7/8	1-3/8	A	7.6
104589	PORT II 09 - 11	PORT II	1-1/8	1-3/8	A	7.6
104593	PORT II 11 - 11	PORT II	1-3/8	1-3/8	A	7.6
104575	PORT II 03 - 13	PORT II	3/8	1-5/8	A	8.3
104580	PORT II 05 - 13	PORT II	5/8	1-5/8	A	8.3
104585	PORT II 07 - 13	PORT II	7/8	1-5/8	A	8.3
104590	PORT II 09 - 13	PORT II	1-1/8	1-5/8	A	8.3
104594	PORT II 11 - 13	PORT II	1-3/8	1-5/8	A	8.3
104576	PORT II 03 - 17	PORT II	3/8	2-1/8	A	8.3
104581	PORT II 05 - 17	PORT II	5/8	2-1/8	A	8.3
104586	PORT II 07 - 17	PORT II	7/8	2-1/8	A	8.3
104591	PORT II 09 - 17	PORT II	1-1/8	2-1/8	A	8.3
104595	PORT II 11 - 17	PORT II	1-3/8	2-1/8	A	8.3

Standard Range — 10 in. Hg to 120 psig.

To order: Specify type, port size, and connection size, or part number, or model number.

EVAPORATOR PRESSURE REGULATORS (Aluminum Bronze Body) — WITH WIDE OPEN FEATURE

PART NO	MODEL NO	Type	Port Size (in)	Connection (in)	Range	Wt (lb)
106608	PORT II B 03 - 07	PORT II B	3/8	7/8	A	8.9

Standard Range — 10 in. Hg to 120 psig.

To order: Specify type, port size, and connection size, or part number, or model number.

Compressors,
Chillers, Condensers

Motors

Electrical

Heating
Components

Indoor Air
Quality

Thermostats

Oils &
Chemicals

Accessories, Supplies
& Commodities

Tools &
Instruments

Refrigeration

Refrigeration

Compressors, Chillers, Condensers
 Motors
 Electrical
 Heating Components
 Indoor Air Quality
 Thermostats
 Oils & Chemicals
 Accessories, Supplies & Commodities
 Tools & Instruments
 Refrigeration

PARKER - REGULATORS FLO-CON (S)PORT, (S)PORT II EVAPORATOR PRESSURE REGULATORS (Ductile Iron Body) — WITH ELECTRIC SHUTOFF

PART NO	MODEL NO	Type	Port Size (in)	Connection (in)	Range	Wt (lb)
107494	SPORT 03 - 06	SPORT	3/8	5/8	A	8.2
107496	SPORT 05 - 05	SPORT	5/8	5/8	A	8.2
103622	SPORT 03 - 07	SPORT	3/8	7/8	A	8.2
103623	SPORT 05 - 07	SPORT	5/8	7/8	A	8.2
103624	SPORT 07 - 07	SPORT	7/8	7/8	A	8.2
103625	SPORT 09 - 07	SPORT	1-1/8	7/8	A	8.2
103599	SPORT 03 - 09	SPORT	3/8	1-1/8	A	8.2
103550	SPORT 05 - 09	SPORT	5/8	1-1/8	A	8.2
103552	SPORT 07 - 09	SPORT	7/8	1-1/8	A	8.2
103555	SPORT 09 - 09	SPORT	1-1/8	1-1/8	A	8.2
103559	SPORT 11 - 09	SPORT	1-3/8	1-1/8	A	8.2
103600	SPORT 03 - 11	SPORT	3/8	1-3/8	A	8.2
103551	SPORT 05 - 11	SPORT	5/8	1-3/8	A	8.2
103553	SPORT 07 - 11	SPORT	7/8	1-3/8	A	8.2
103556	SPORT 09 - 11	SPORT	1-1/8	1-3/8	A	8.2
103560	SPORT 11 - 11	SPORT	1-3/8	1-3/8	A	8.2
103601	SPORT 03 - 13	SPORT	3/8	1-5/8	A	8.3
103603	SPORT 05 - 13	SPORT	5/8	1-5/8	A	8.3
103554	SPORT 07 - 13	SPORT	7/8	1-5/8	A	8.3
103557	SPORT 09 - 13	SPORT	1-1/8	1-5/8	A	8.3
103561	SPORT 11 - 13	SPORT	1-3/8	1-5/8	A	8.3
103841	SPORT 13 - 13	SPORT	1-5/8	1-5/8	A	8.3
103844	SPORT 17 - 13	SPORT	2-1/8	1-5/8	A	8.3
103847	SPORT 21 - 13	SPORT	2-5/8	1-5/8	A	8.3
103602	SPORT 03 - 17	SPORT	3/8	2-1/8	A	8.3
103604	SPORT 05 - 17	SPORT	5/8	2-1/8	A	8.3
103605	SPORT 07 - 17	SPORT	7/8	2-1/8	A	8.3
103558	SPORT 09 - 17	SPORT	1-1/8	2-1/8	A	8.3
103562	SPORT 11 - 17	SPORT	1-3/8	2-1/8	A	8.3
103842	SPORT 13 - 17	SPORT	1-5/8	2-1/8	A	14.9
103845	SPORT 17 - 17	SPORT	2-1/8	2-1/8	A	14.9
103848	SPORT 21 - 17	SPORT	2-5/8	2-1/8	A	14.9
103843	SPORT 13 - 21	SPORT	1-5/8	2-5/8	A	17.2
103846	SPORT 17 - 21	SPORT	2-1/8	2-5/8	A	17.2
103849	SPORT 21 - 21	SPORT	2-5/8	2-5/8	A	17.2

Standard Range — 10 in. Hg to 120 psig.

To order: Specify type, port size, connection size and voltage.

Refrigeration

PARKER - REGULATORS FLO-CON (S)PORT, (S)PORT II EVAPORATOR PRESSURE REGULATORS (Ductile Iron Body) — LESS COILS — WITH ELECTRIC SHUTOFF AND WIDE OPEN FEATURE

PART NO	MODEL NO	Type	Port Size (in)	Connection (in)	Range
107499	SPORT B 03 - 06	SPORT B	3/8	5/8	A
107501	SPORT B 05 - 05	SPORT B	5/8	5/8	A
103630	SPORT B 03 - 07	SPORT B	3/8	7/8	A
103631	SPORT B 05 - 07	SPORT B	5/8	7/8	A
103632	SPORT B 07 - 07	SPORT B	7/8	7/8	A
103633	SPORT B 09 - 07	SPORT B	1-1/8	7/8	A
103613	SPORT B 03 - 09	SPORT B	3/8	1-1/8	A
103576	SPORT B 05 - 09	SPORT B	5/8	1-1/8	A
103578	SPORT B 07 - 09	SPORT B	7/8	1-1/8	A
103581	SPORT B 09 - 09	SPORT B	1-1/8	1-1/8	A
103585	SPORT B 11 - 09	SPORT B	1-3/8	1-1/8	A
103614	SPORT B 03 - 11	SPORT B	3/8	1-3/8	A
103577	SPORT B 05 - 11	SPORT B	5/8	1-3/8	A
103579	SPORT B 07 - 11	SPORT B	7/8	1-3/8	A
103582	SPORT B 09 - 11	SPORT B	1-1/8	1-3/8	A
103586	SPORT B 11 - 11	SPORT B	1-3/8	1-3/8	A
103615	SPORT B 03 - 13	SPORT B	3/8	1-5/8	A
103617	SPORT B 05 - 13	SPORT B	5/8	1-5/8	A
103580	SPORT B 07 - 13	SPORT B	7/8	1-5/8	A
103583	SPORT B 09 - 13	SPORT B	1-1/8	1-5/8	A
103587	SPORT B 11 - 13	SPORT B	1-3/8	1-5/8	A
103850	SPORT B 13 - 13	SPORT B	1-5/8	1-5/8	A
103853	SPORT B 17 - 13	SPORT B	2-1/8	1-5/8	A
103856	SPORT B 21 - 13	SPORT B	2-5/8	1-5/8	A
103616	SPORT B 03 - 17	SPORT B	3/8	2-1/8	A
103618	SPORT B 05 - 17	SPORT B	5/8	2-1/8	A
103619	SPORT B 07 - 17	SPORT B	7/8	2-1/8	A
103584	SPORT B 09 - 17	SPORT B	1-1/8	2-1/8	A
103851	SPORT B 13 - 17	SPORT B	1-5/8	2-1/8	A
103854	SPORT B 17 - 17	SPORT B	2-1/8	2-1/8	A
103857	SPORT B 21 - 17	SPORT B	2-5/8	2-1/8	A
103852	SPORT B 13 - 21	SPORT B	1-5/8	2-5/8	A
103855	SPORT B 17 - 21	SPORT B	2-1/8	2-5/8	A
103858	SPORT B 21 - 21	SPORT B	2-5/8	2-5/8	A

Standard Range — 10 in. Hg to 120 psig.

To order: Specify type, port size, connection size and voltage.

Compressors,
Chillers, Condensers

Motors

Electrical

Heating
Components

Indoor Air
Quality

Thermostats

Oils &
Chemicals

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Refrigeration

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Compressors,
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Accessories, Supplies
& Commodities

Tools &
Instruments

Refrigeration

PARKER - REGULATORS FLO-CON (S)PORT, (S)PORT II

EVAPORATOR PRESSURE REGULATORS (Aluminum Bronze Body) — WITH ELECTRIC SHUTOFF AND WIDE OPEN FEATURE

PART NO	MODEL NO	Type	Port Size (in)	Connection (in)	Range
104548	SPORT II 03 - 07	SPORT II	3/8	7/8	A
104553	SPORT 05 - 07	SPORT II	5/8	7/8	A
104558	SPORT 07 - 07	SPORT II	7/8	7/8	A
104563	SPORT 09 - 07	SPORT II	1-1/8	7/8	A
104549	SPORT 03 - 09	SPORT II	3/8	1-1/8	A
104554	SPORT 05 - 09	SPORT II	5/8	1-1/8	A
104559	SPORT 07 - 09	SPORT II	7/8	1-1/8	A
104564	SPORT 09 - 09	SPORT II	1-1/8	1-1/8	A
104568	SPORT 11 - 09	SPORT II	1-3/8	1-1/8	A
104550	SPORT 03 - 11	SPORT II	3/8	1-3/8	A
104555	SPORT 05 - 11	SPORT II	5/8	1-3/8	A
104560	SPORT 07 - 11	SPORT II	7/8	1-3/8	A
104565	SPORT 09 - 11	SPORT II	1-1/8	1-3/8	A
104569	SPORT 11 - 11	SPORT II	1-3/8	1-3/8	A
104551	SPORT 03 - 13	SPORT II	3/8	1-5/8	A
104556	SPORT 05 - 13	SPORT II	5/8	1-5/8	A
104561	SPORT 07 - 13	SPORT II	7/8	1-5/8	A
104566	SPORT 09 - 13	SPORT II	1-1/8	1-5/8	A
104570	SPORT 11 - 13	SPORT II	1-3/8	1-5/8	A
104552	SPORT 03 - 13	SPORT II	3/8	2-1/8	A
104557	SPORT 05 - 13	SPORT II	5/8	2-1/8	A
104562	SPORT 07 - 13	SPORT II	7/8	2-1/8	A
104567	SPORT 09 - 17	SPORT II	1-1/8	2-1/8	A
104571	SPORT 11 - 17	SPORT II	1-3/8	2-1/8	A

Standard Range — 10 in. Hg to 120 psig.

To order: Specify type, port size, connection size and voltage.

EVAPORATOR PRESSURE REGULATORS (Ductile Iron Body) — LESS COILS — WITH ELECTRIC SHUTOFF AND WIDE OPEN FEATURE

PART NO	MODEL NO	Type	Port Size (in)	Connection (in)	Range
104596	SPORT II B 03 - 07	SPORT II B	3/8	7/8	A
104601	SPORT II B 05 - 07	SPORT II B	5/8	7/8	A
104606	SPORT II B 07 - 07	SPORT II B	7/8	7/8	A
104611	SPORT II B 09 - 07	SPORT II B	1-1/8	7/8	A
104597	SPORT II B 03 - 09	SPORT II B	3/8	1-1/8	A
104602	SPORT II B 05 - 09	SPORT II B	5/8	1-1/8	A
104607	SPORT II B 07 - 09	SPORT II B	7/8	1-1/8	A
104612	SPORT II B 09 - 09	SPORT II B	1-1/8	1-1/8	A
104616	SPORT II B 11 - 09	SPORT II B	1-3/8	1-1/8	A
104598	SPORT II B 03 - 11	SPORT II B	3/8	1-3/8	A
104603	SPORT II B 05 - 11	SPORT II B	5/8	1-3/8	A
104608	SPORT II B 07 - 11	SPORT II B	7/8	1-3/8	A
104613	SPORT II B 09 - 11	SPORT II B	1-1/8	1-3/8	A
104617	SPORT II B 11 - 11	SPORT II B	1-3/8	1-3/8	A
104599	SPORT II B 03 - 13	SPORT II B	3/8	1-5/8	A
104604	SPORT II B 05 - 13	SPORT II B	5/8	1-5/8	A
104609	SPORT II B 07 - 13	SPORT II B	7/8	1-5/8	A
104614	SPORT II B 09 - 13	SPORT II B	1-1/8	1-5/8	A
104618	SPORT II B 11 - 13	SPORT II B	1-3/8	1-5/8	A
104600	SPORT II B 03 - 13	SPORT II B	3/8	2-1/8	A
104605	SPORT II B 05 - 13	SPORT II B	5/8	2-1/8	A
104610	SPORT II B 07 - 13	SPORT II B	7/8	2-1/8	A
104615	SPORT II B 09 - 17	SPORT II B	1-1/8	2-1/8	A
104619	SPORT II B 11 - 17	SPORT II B	1-3/8	2-1/8	A

Standard Range — 10 in. Hg to 120 psig.

To order: Specify type, port size, connection size and voltage.

PARKER - EVAPORATOR PRESSURE REGULATORS SPORT, SPORT II, SC SOLENOID VALVE

SPORT, SPORT II, SC SOLENOID VALVE

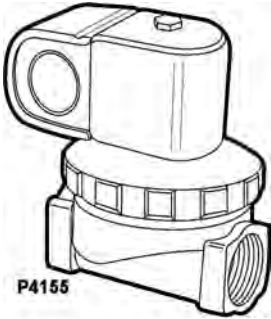
PART NO	VOLTAGE	
202940	120V/60 or 110V/50	Coil & Hsg. Kit
202941	240 V	Coil & Hsg. Kit
202942	208 V	Coil & Hsg. Kit
202943	480 V	Coil & Hsg. Kit
202944	24 V	Coil & Hsg. Kit

A8 AND A9 SERIES

PART NO	VOLTS/HZ	DESCRIPTION
206004	120 V	Coil & Hsg. Kit
206005	208/240 V	Coil & Hsg. Kit
206006	480 V	Coil & Hsg. Kit

PARKER - GENERAL PURPOSE SOLENOID VALVES

Two-Way Solenoid Valves — Type I (Normally Closed Only)



APPLICATIONS

These valves are for General application on non-corrosive fluids such as air, Water below 180°F, light oils below 300 SSU, and low vacuum. All seal off Bubbletight.

GENERAL SPECIFICATIONS

Type I two-way solenoid valves can be used on either low or high pressure And available in 1/4" NPT through 1" NPT. The smaller valves are direct acting While the larger valves are pilot operated.

MATERIALS

BODY.....Forged Brass or Brass Bar
 PLUNGER.....430 Stainless Steel
 SEALS, DISCS & DIAPHRAGMS...Buna A (Seat Disc in "G" models is Fluoroelastomer)
 ENCLOSING TUBE.....300 Series Stainless Steel
 SPRINGS.....300 Series Stainless Steel

Type I Two-way Normally closed (AC) Voltages

VALVE MODEL NO	PIPE SIZE	ORIFICE	Cv	OPERATING PRESSURE DIFFERENTIAL				°F MAXIMUM TEMP	COIL TYPE
				Minimum PSI	Maximum (MOPD) PSI Air Inert Gas	Maximum (MOPD) PSI Water	Maximum (MOPD) PSI Light Oil 300		
GP200	1/4	5/16	.98	1	150	150	150	225	G-23
GP300	3/8	1/2	3.00	1	150	150	150	225	G-23
GP400	1/2	1/2	3.60	1	150	150	150	225	G-23
GP600	3/4	3/4	7.40	1	150	150	150	225	G-23
GP10A	1	1	12.20	1	150	150	150	225	G-23