# A/C & REFRIGERATION

Valves and Coils Torrellation

## Refrigeration Solenoid Valves



No. 5BA92 Solder Connection



#### :01 ರಾಜ ಆರ್. - ಎರಡಿ ಆರ್. SAE flare and solder connections ■ 650 psi safe working pressure: 😘

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Encapsulated coil is waterproof

Parker

SASTI NITTO MANA

Brass body, two-way, normally closed solenoid valves are suitable for use with all CFC, HFC, and HCFC refrigerants in liquid, suction, and discharge lines, on small to medium tonnage systems. R10 Series valves are direct acting. R20 and R30 Series valves are pilot operated. Pilot operated

	on are direc	rt acting, BZ	e systems: 7 20 and R30 Pilot operated	a' .	rating coil, s tified (with C	sold separate operating coi	ii), and CE	Certified
trom	Refrige: Lindid Line	erant 12 Suction Line	Refrige Liquid Line	erant 22 Suction Line	Tous @ 5 hai	Suction Line	Liquid Line Fons @ 3 psi	orant 502 (2) Suction Un Tons: @ 40 0 1
No.	Tons @ 2 psi 0.91	Tons @ 40°F	1.18	0:12	1.4	0:15 0:15	0.79	U1 12 0 10
58A92 58A93	0.91	0.09	1.18 5.53	0.12 0.59	6.61	0.73	* 3.73 * 3.73	0.540
58A94 58A95	4.29 4.29	0.45 0.45	5.53	0.59	6.61 6.61	0:73 0:73	3.73	0.548
58A96 10	√ 134.29	0.45 0.88	5.53 10.8	0.59 1.15	12.9	1.42	7.27 16.7	1.05 2.49
5BA97 5BA98	8.38 12.5	<u> </u>	16.2	1.46 1.46	19.3 19.3	3,36 3.36	16.7	2.49
5BA99	12.5	1.11	16.2			and the life	<b>Р</b> П	Sh

40	.5	<b>1</b>	10,2	100	3.3	IR.	10.7		
- Control of the cont		1	16.2 1.	46 19.3	U, L	No. Care Sec.	2 2	理的學學學	2 × 20
5BA99 12	.5	<u> </u>		. Starting	Me	- Item	inering a	30.22	OHIUS
		Port	Overali Dim. (in.	Width (In.)	Model	No.		Each	A COLOR
_Connection	Connection	(in.)	H L	Mind (m.)	-1000	5BA92	3	40.85	07/6
Type/Size (ln.)		5.00	3 45%	2	R10E32	51 5BA93	100	42.55	N/OV/
Solder 1/4	ODF	3/32		7.1. 79 13 170	R10E33		V	60.35	0(9
Solder 3/8	ODF _	3/32	3 5	292 Office	CR20E84	√ (5BA94	1		
201061 3/0	ODF	1/4	31/6 5		R20E83	5BA95	1	61.45	0.8
Solder 1/2	ODF	1/4	31/4 5	21/4		5BA96	7	58.95	0.8
Solder 3/8			31/6. 5	21/4	R20F83			68.60	12
Flare 3/8	SAE	1/4		1/8::	R30E124	5BA97			1.3
Solder 1/2	ODF :	3/8	<sub>4</sub> 3¾ 5	47/	R30E154	5BA98	·	80:95	
	ODF	15/32	33/45	1/8		5BA99	1	80.95	15
Solder 1/2		5/8	3% 51/2	11/6	R30E155			- Vall 163	
Solder 5/8	ODF	970	2 680 Nov. 1					100.75	a region

### **Replacement Operating Coils**

- Continuous duty
- Class F Rated
- Operating temperature: t40°F
   For use with Nos.:5BA92 inrough 5BA99



and resistant to oil, dust, and most corrosive fluids, fumes, and vapors. Junction box with two knockouts and 6" wire leads. Easy to assemble with single screw mount. UL Listed and CSA Certified.

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₹.₹	\$26B		4	- , 1	6	lane.	0.\$	Shpa.
	195.23	Amos	6844		Mfr. <sup>©</sup> Nodel	item No.	Each	Shpg. Wt.
Coil		Holding	nrush · V	latts 🔻	logel		the second second second	
Velts	HZ	Holuting			K1B2	5BB10	28.75	∴D.6
	06.6 <b>6</b> 0	19	37				28.75	0.6
24			37	10 - F	K1P3	5BB11		
130/120	j ≈6.50/60 <u>.</u>	13"			K1U3	5BB12	28.75	ಾ0.7
208/24		19	37	10	IK 100	000.0		
208/249	י יטטיין							

#### **Water-Regulating Valves**

All range — 70-260 psig-refrigerant

May File / Dryon

valves are piston actuated with a silver

brass and Rulon® piston and and is is its

separate plunger assembly. This design eliminates

diaphragms and yields a high maximum working pressure and an MOPD of 450 psi on all A/C

applications. Valve body must be combined yith operating coil, sold separately. UL Listed, CSA

- Max. water pressure: 150 psig russoiq 366, 1611 Corrosion-resistant material for longer valve life
- Control condenser pressure on any water-cooled refrig eration unit. Used with standard noncorrosive 100% refrigerants. Units can be repaired without removal 3 from piping. Take-apart construction allows accessibility to interior of valve. Accessible range spring for easy manual flushing. Pressure actuated for precise control of head pressure (open on pressure rise). Pressurebalanced design maintains consistent setpoint. No close-fitting or sliding parts in water passages

Thermos

Balanced port (

control over a

load, to minim

starving proble

for commercia

in coolers, dis

refrigeration s heat pump ar

equalizer are pressure dro Series valves valve for hea

Size (In.)	Mir. Model	item No.	Each 91	Shog. Wi.
NPT Threaded	V46AA-1E	4LZ96	102.55	1.9
	V46AB-1E	4LZ97 *	111.45	2.8
1/2		4LZ98	134.15 °	3.6
3/4		4LZ99	282.25	7.9

#### Compact Thermostatic Expansion Valves VYIOA9883-163种

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PHIENDS LANGUAGE



)1660 (B. - - 1914), 1941 No. 5X245

Multirange capacity

■ Sensing bulb is 1/2" dia. x 2"L

Balanced port design provides accurate control over wide variations in evaporator load and/or condensing pressure. 21/2" long valves can be used where conventional size valves will not fit. Sensing bulb mounting hardware included.

and reviled dist Uses: For small tonnage refrigeration systems, such as ice machines. cold drink dispensers, slush machines, and reach-in coolers.

> Warn. 1.83

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	clifor state of hold had	Capillary	SAE Flare C	oyar kur oyar kur onn. (la.)	R-12 Cap. (Tons)	R-22 Cap. (Tons)	Mfr. Mfr.	item No.	Each	Shpg. Wt.
Rom: Tons Refrigerant Range*	neilas A. V. V. Veri	Length (in.)		Outlet 1/2	1/4 to 2	1½ to 3	N1/4-1/2JW	x 3A664:	38.15	0,5
R-12, R-134A, 1/4 to 1/2 R-401A, R-401B	-40 to 40	30	3/8	1/2	1/4 to 2	1½ to 3	N-2JW	6X245 6X246	38.15 + 38.15	
R-12, B-134A R-401A, R-401B	-40 to 40	30	3/8	1/2	1/4 to 2	1½ to 3	N-3VX100B10	QAZ40	A are so un	Andrew State (1985)
R-22, R-407C 1½ to 3  (*) 1 ton is equivalent to 12,000 Bto	H cooling, (‡) 100 MOF	and permane	nt 10% bleed po	rð.						

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