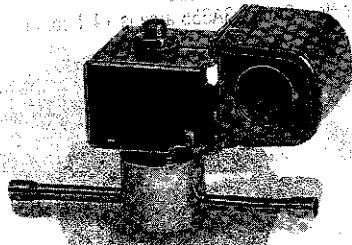


A/C & REFRIGERATION

Valves and Coils

Refrigeration Solenoid Valves



No. 5BA92
Solder Connection



No. 5BA96
Flare Connection

- SAE flare and solder connections
- 650 psi safe working pressure

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

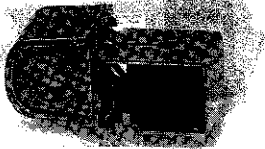
valves are piston actuated with a brass and Rulon® piston and separate plunger assembly. This design eliminates diaphragms and yields a high maximum working pressure and an MOPD of 450 psi on all A/C applications. Valve body must be combined with operating coil, sold separately. UL Listed, CSA Certified (with operating coil), and CE Certified

| Item No. | Refrigerant 12 | | Refrigerant 22 | | Refrigerant 410A | | Refrigerant 502 | |
|----------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| | Liquid Line Tons @ 2 psi | Suction Line Tons @ 40°F | Liquid Line Tons @ 3 psi | Suction Line Tons @ 40°F | Liquid Line Tons @ 5 psi | Suction Line Tons @ 40°F | Liquid Line Tons @ 3 psi | Suction Line Tons @ 40°F |
| 5BA92 | 0.91 | 0.09 | 1.18 | 0.12 | 1.4 | 0.15 | 0.79 | 0.12 |
| 5BA93 | 0.91 | 0.09 | 1.18 | 0.12 | 1.4 | 0.15 | 0.79 | 0.12 |
| 5BA94 | 4.29 | 0.45 | 5.53 | 0.59 | 6.61 | 0.73 | 3.73 | 0.54 |
| 5BA95 | 4.29 | 0.45 | 5.53 | 0.59 | 6.61 | 0.73 | 3.73 | 0.54 |
| 5BA96 | 4.29 | 0.45 | 5.53 | 0.59 | 6.61 | 0.73 | 3.73 | 0.54 |
| 5BA97 | 8.38 | 0.88 | 10.8 | 1.15 | 12.9 | 1.42 | 7.27 | 1.05 |
| 5BA98 | 12.5 | 1.11 | 16.2 | 1.46 | 19.3 | 3.36 | 16.7 | 2.49 |
| 5BA99 | 12.5 | 1.11 | 16.2 | 1.46 | 19.3 | 3.36 | 16.7 | 2.49 |

| Connection Type/Size (In.) | Connection | Port (In.) | Overall Dim. (In.) | Max. Width (In.) | Mfr. Model | Item No. | Each | Shpg. Wt. |
|----------------------------|------------|------------|--------------------|------------------|------------|----------|-------|-----------|
| Solder 1/4 | ODF | 3/32 | 3 3/4 | 2 | R10E32 | 5BA92 | 40.85 | 0.12 |
| Solder 3/8 | ODF | 3/32 | 3 3/4 | 2 | R10E33 | 5BA93 | 42.55 | 0.12 |
| Solder 1/2 | ODF | 1/4 | 3 3/4 | 2 1/4 | R20E84 | 5BA94 | 60.35 | 0.09 |
| Solder 3/8 | ODF | 1/4 | 3 3/4 | 2 1/4 | R20E83 | 5BA95 | 61.45 | 0.09 |
| Flare 3/8 | SAE | 1/4 | 3 3/4 | 2 1/4 | R20E83 | 5BA96 | 59.95 | 0.09 |
| Solder 1/2 | ODF | 3/8 | 3 3/4 | 1 3/4 | R30E124 | 5BA97 | 88.60 | 1.24 |
| Solder 1/2 | ODF | 15/32 | 3 3/4 | 1 3/4 | R30E154 | 5BA98 | 80.95 | 1.09 |
| Solder 5/8 | ODF | 5/8 | 3 3/4 | 1 3/4 | R30E155 | 5BA99 | 80.95 | 1.09 |

Replacement Operating Coils

- Continuous duty
- Class F Rated
- Operating temperature: 140°F
- For use with Nos. 5BA92 through 5BA99



No. 5BB11

Encapsulated coil is waterproof 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.

| Coil Volts | Coil Hz | Amps Holding | Inrush | Watts | Mfr. Model | Item No. | Each | Shpg. Wt. |
|------------|---------|--------------|--------|-------|------------|----------|-------|-----------|
| 24 | 60 | 19 | 37 | 10 | RK1B2 | 5BB10 | 28.75 | 0.6 |
| 110/120 | 50/60 | 19 | 37 | 10 | RK1P3 | 5BB11 | 28.75 | 0.6 |
| 208/240 | 60 | 19 | 37 | 10 | RK1U3 | 5BB12 | 28.75 | 0.7 |

Water-Regulating Valves

- All range — 70-260 psig refrigerant pressure
- Max. water pressure: 150 psig
- Corrosion-resistant material for longer valve life



No. 4LZ96

Control condenser pressure on any water-cooled refrigeration unit. Used with standard noncorrosive refrigerants. Units can be repaired without removal 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). Pressure-balanced design maintains consistent setpoint. No close-fitting or sliding parts in water passages.

| Size (In.) NPT Threaded | Mfr. Model | Item No. | Each | Shpg. Wt. |
|-------------------------|------------|----------|--------|-----------|
| 3/8 | V46AA-1E | 4LZ96 | 102.55 | 0.9 |
| 1/2 | V46AB-1E | 4LZ97 | 111.45 | 2.8 |
| 3/4 | V46AC-1E | 4LZ98 | 134.15 | 3.6 |
| 1 | V46AD-1E | 4LZ99 | 282.25 | 7.9 |

Compact Thermostatic Expansion Valves



No. 6X245

- 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. 2 1/2" long valves can be used where conventional size valves will not fit. Sensing bulb mounting hardware included.

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

| Refrigerant | Nom. Tons Range* | Evaporator Temp. Range (°F) | Capillary Length (In.) | SAE Flare Inlet | Conn. (In.) Outlet | R-12 Cap. (Tons) | R-22 Cap. (Tons) | Mfr. Model | Item No. | Each | Shpg. Wt. |
|------------------------------|------------------|-----------------------------|------------------------|-----------------|--------------------|------------------|------------------|-------------|----------|-------|-----------|
| R-12, R-134A, R-401A, R-401B | 1/4 to 1/2 | -40 to 40 | 30 | 1/4 | 1/2 | 1/4 to 2 | 1 1/2 to 3 | N1/4-1/2JW | 3A664 | 38.15 | 0.5 |
| R-12, R-134A, R-401A, R-401B | 3/4 to 2 | -40 to 40 | 30 | 3/8 | 1/2 | 1/4 to 2 | 1 1/2 to 3 | N-2JW | 6X245 | 38.15 | 0.3 |
| R-22, R-407C | 1 1/2 to 3 | -40 to 40 | 30 | 3/8 | 1/2 | 1/4 to 2 | 1 1/2 to 3 | N-3VX100B10 | 6X246 | 38.15 | 0.5 |

(*) 1 ton is equivalent to 12,000 BtuH cooling. (†) 100 MOP and permanent 10% bleed port.