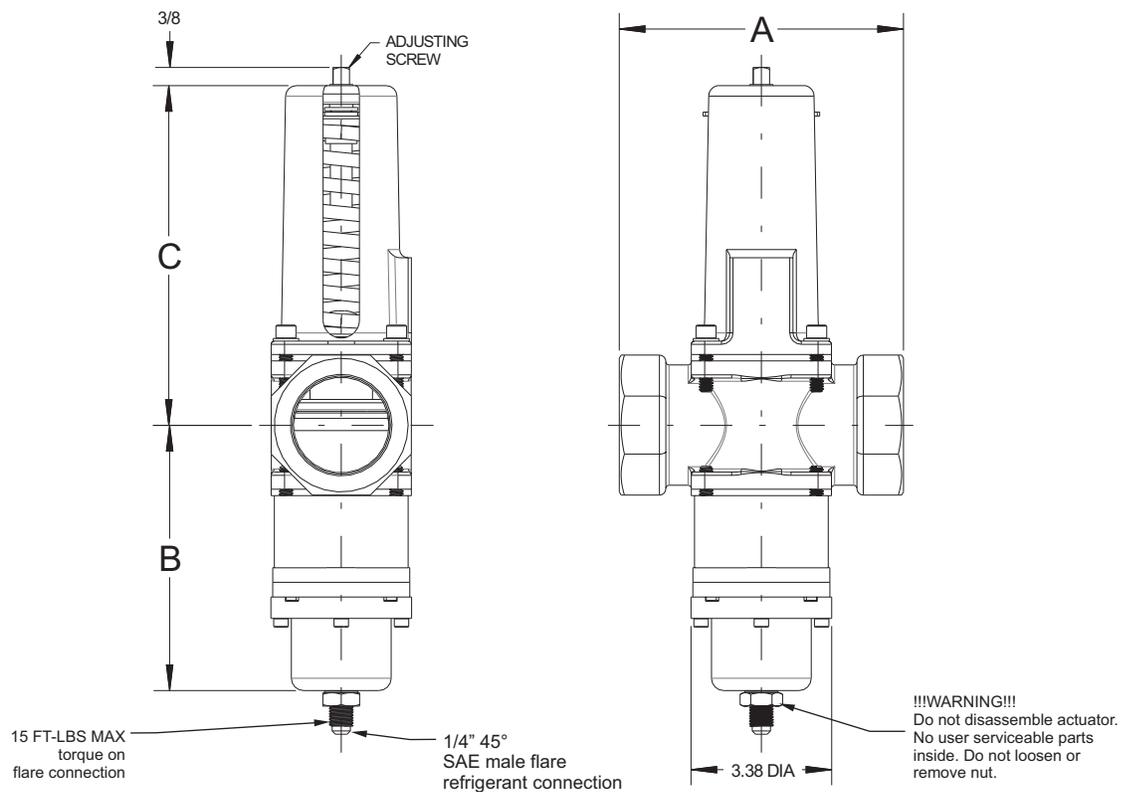


SELECTION CRITERIA

- Fresh water use
- Direct acting
- 200 PSI water pressure rating
- 650 PSI rated R-410a actuator
- NPT connections
- 2-Way configuration
- 1", 1-1/4" & 1-1/2" sizes
- O-ring seals

CONSTRUCTION DETAILS

- Brass & Stainless Steel internals
- Buna-N o-ring seals
- Brass body



VALVE SIZING CHART

VALVE PART NUMBER	PIPE SIZE	C _V APPROX.	DIMENSIONS		
			A ± .06	B ± .12	C ± .12
8265P-100	1"	9.5	4.75	5.64	6.20
8265P-125	1-1/4"	14.5	4.88	5.79	6.35
8265P-150	1-1/2"	17.5	5.31	5.79	6.35

All dimensions are in inches

ORDERING INFORMATION

- Use the valve sizing chart on the preceding page to determine the complete part number.

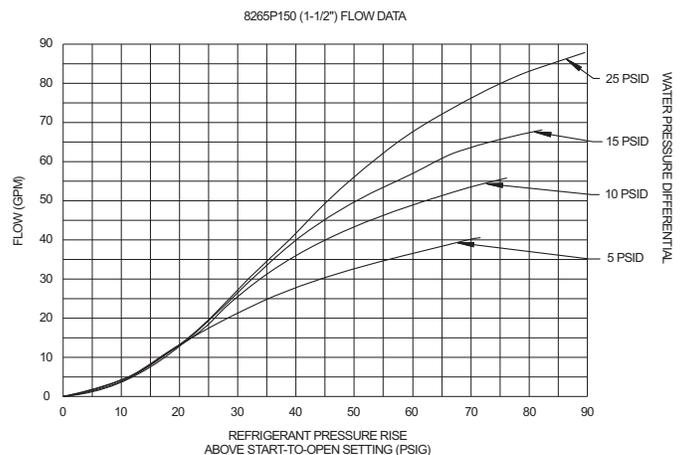
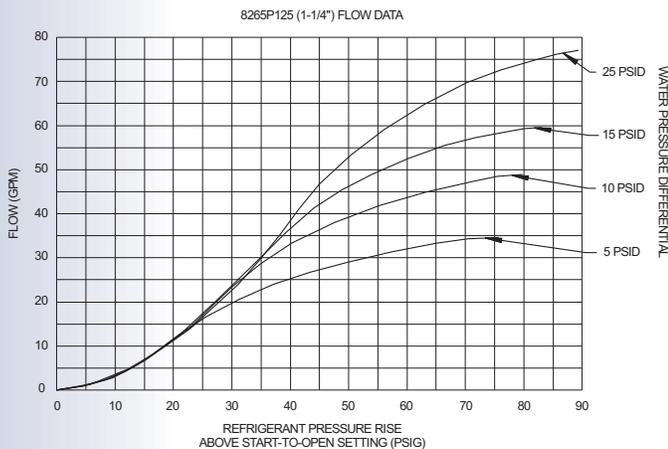
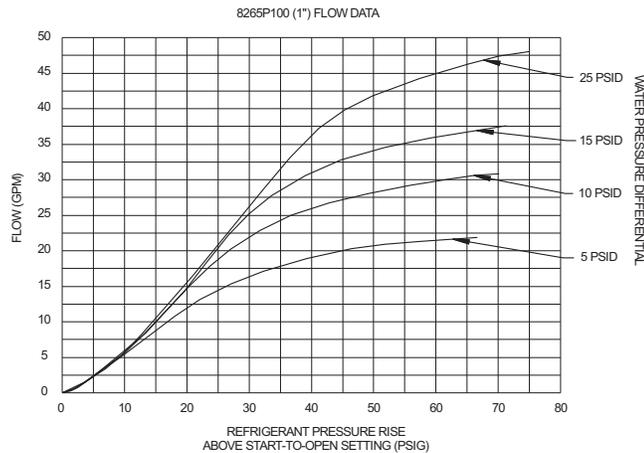
BASIC PART NO.: 8265P-

VALVE SIZING CHART
(100, 125 or 150)

PRESSURE RANGE ADJUSTMENT

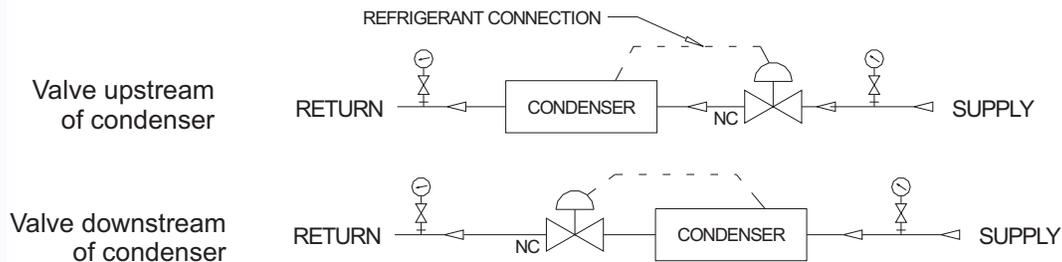
- The refrigerant pressure at which the valve begins to open can be adjusted from 150 to 350 PSIG. An approximate *65 PSIG increase in refrigerant pressure is required to fully open the valve.
- * Based on 10 PSID water pressure drop through the valve. Higher pressure drops will require a greater increase in refrigerant pressure to fully open the valve.

FLOW DATA



2-WAY HEAD PRESSURE REGULATOR TYPICAL APPLICATION

- Typically used to modulate the cooling water through a condenser in response to a pressure signal from the condenser. Refrigerant head pressure is maintained over a wide range of operating conditions for a maximum system operating efficiency.



INSTALLATION INSTRUCTIONS

- Valves can be mounted in any position without affecting performance. However, for ease of adjustment consider the accessibility of the adjusting screw.
- Connect the incoming water line to the valve inlet. Direction of water flow is indicated by the arrow cast on the side of the valve body.
- Connect capillary tube (1/4" flare nut) to refrigerant head pressure connection on condenser.
- See Metrex datasheet 50M-366 for available capillary assemblies for connecting the valve.
- Do not disassemble actuator. There are no user serviceable parts inside the actuator.

GENERAL DESCRIPTION

- The 8265P series valves are direct acting, modulating water regulating valves utilizing an internal balancing diaphragm to give smooth, well balanced action. The pressure-balanced design assures fast response to changes in refrigerant pressure and protection against both gradual and sudden water pressure changes. All o-ring seal construction insures leak-free reliability. The high pressure actuator is designed for R-410a refrigerant applications and is rated at a full 650 PSIG.

ADJUSTMENT

- All valve sizes are applicable to high pressure refrigerants such as R-410a. See "Pressure Range Adjustment" on sheet 2.

To adjust condensing head pressure, use the adjusting screw on top of the spring housing. When facing the top of the valve as shown on sheet 1, turn counter clockwise to raise the opening point (raise head pressure). Turn clockwise to lower the opening point (lower head pressure).

MANUAL OVERRIDE

- All valves may be manually flushed by inserting a screwdriver in openings at opposite sides of the spring housing and lifting the lower spring plate to open the valve. The valve adjustment is not affected by manual flushing.

