### CARTRIDGE VALVE

**SPECIFICATIONS:**

- Normally Closed Check Valve
- Manual Override to hold Open.
- Maximum pressure at Ports 1 and 2 is 5,000 PSI.
- Install Cartridge valve using 1" wrench
- Final tightening to 20 foot pounds torque.
- Use lubricant on external oil seals and mounting threads.
- Fluid temperature: -45°F (-42.7°C) to 200°F (93.3°C)

**MATERIALS & OPTIONS**

- T Option 10-32 vent ports at Key 7 (2 Places)
- Seat (Key 4) material is heat treated Stainless.
- Seal Materials used are Buna-N and Teflon.
- Optional seal and construction materials available.

**SHIFT FORCE NOTES:**

15 Pounds of Force is required to compress springs, Key 3 & 9

To determine the additional operating force imposed by the system pressure, multiply the system pressure X .062 and add the result to the 15 Pound spring force.

Example: 1,000 PSI System

1,000 X .062 = 62#

62 + 15 = 77#

Total Operator Force = 77#

**PRESSURE DROP CHART**

- **Valve Number:** 94H92M##06
- Operators:
  - O = No Overtravel Protection
  - P = Overtravel Protection
  - D = Direct Plunger
  - K = Knob, Aluminum
  - R = Knob, Red Ano.
  - S = Knob, Stainless

**Cavity & Housing**

- Cavity C-8542 (10-2):
  - See Spec. Sheet 1200621
- Line Mount Housings:
  - See Spec. Sheets 1200674 and 1201455
- Panel Mount Housings:
  - See Spec. Sheets 1202982 and 1202990

**Direct Plunger Operator**

- .75/19.1 Radiused End
- Material 17-4 PH900

**Check Valve with Manual Override**

- To hold open.

**Fluid temperature**

- -45°F (-42.7°C) to 200°F (93.3°C)

**SPECIFICATIONS:**

- Valve ORIFICE DIAMETER = .25"
- Add 6 PSI Seat Crack Pressure
  - 150 PSI
  - 100 PSI
  - 50 PSI
  - 0

**Pressure Drop Chart**

- CV = 0.9

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**Example:**

1,000 PSI System

1,000 X .062 = 62#

62 + 15 = 77#

Total Operator Force = 77#