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SPECIFICATIONS:

Manually Operated poppet valve.
Two way, normally closed, push operator to open.
Use Port No. 1 for Pressure Inlet. Maximum pressure 5,000 PSI, Cavity C-8502 Cavity C-8542, 5,000 PSI Port 1, 3,500 PSI Port 2 See 'SHIFT FORCE NOTES' regarding operating force required to open and hold open the valve. 1/4" Stroke is approximate.

Overtravel Protection is available. Overstroking will damage the valve. Use 1' wrench to install valve. Torque to 20 foot pounds.

Use lubricant on external oil seals and mounting

Fluid temperature -45°F (-42.7°C) to 200°F (93.3°C)

STANDARD OPTIONS

Hand Knob operator shown. Hand Knob is available in Aluminum or Stainless Steel. Direct Plunger available for mechanical operation. T Option 10-32 vent ports at Key 7 (2 Places) Poppet & Seat (Key 4) 17-4 PH900 SST. Seal Materials used are Buna-N and Teflon. Optional seal and construction materials available.

SHIFT FORCE NOTES:

10 to 15 Pounds of Force is required to shift the valve poppet with zero pressure on ports 1 and 2.

To determine the additional operating force imposed by the system pressure, multiply the system pressure X .013 and add the result to the 10 or 15 Pounds.

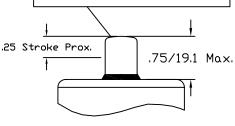
Example: 3,000 PSI System

 $3000 \times .013 = 39$ # 39 + 15 = 54#

Total □perator Force = 54#

CARTRIDGE VALVE Knob □perators See Order Info. Ø1.25 31.8 1/4" STROKE Rod Wiper Dilite Bushing OPTIONAL FEATURE: Overtravel Protection Option Not included in all models Provides approximately 3.25 1/8" additional travel 82.6 - Wear Ring, UHMW Follower .50 12.7 -1" Hex for wrench See Part Number and Cavity Info.-Port 2 Port 1 Optional orifice fits into this space.

Direct Plunger Operator .75/19.1 Radiused End Material 17-4 PH900, SST.



Cavity & Housing

For 82H204M##1 Valve: Cavity C-8502 (8-2): See Spec. Sheet 1200630

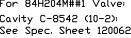
Line Mount Housings: See Spec. Sheets 1200672 and 1203123

Panel Mount Housings: See Spec. Sheets 1202981 and 1202990

For 84H204M##1 Valve: Cavity C-8542 (10-2): See Spec, Sheet 1200621

Line Mount Housings: See Spec. Sheets 1200674 and 1201455

1202982 and 1202990



Panel Mount Housings: See Spec. Sheets

Valve Number: 8#H204M##1 2 = 3/4-16 Thread Operators: Cavity C-8502 D = Direct Plunger (8-2) K = Knob, Aluminum4 = 7/8-14 Thread R = Knob, Red Ano.Cavity C-8542 S = Knob, Stainless (10-2) □ = No □vertravel Protection P = Overtravel

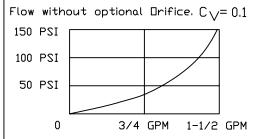
Protection

INCH

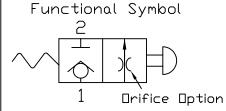
METRIC

PRESSURE DROP CHART

Call for order information.



SERIES



With optional DRIFICE, flow from Port 2 to Port 1 may damage the valve.

