SPECIFICATIONS:

Manually Operated poppet valve.
Two way, normally closed, push operator to open...
Maximum pressure 5,000 PSI, Cavity C-8502
Cavity C-8542, 5,000 PSI Port 1, 3,000 PSI Port 2
See 'SHIFT FORCE NOTES' regarding operating force required to open valve.
Full Flow is a scholard at 08' Strake

Full Flow is achieved at .08' Stroke. Full Travel is at Prox. 16' Stroke. Do not travel to or past full stroke with positive force.

Use Pin Spanner tool to install valve. Torque to 20 foot pounds.

Use lubricant on external oil seals and mounting threads.

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

STANDARD OPTIONS

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

Optional seal and construction materials available. Direct Plunger is Heat Treated 17-4 PH SST.

SHIFT FORCE NOTES:

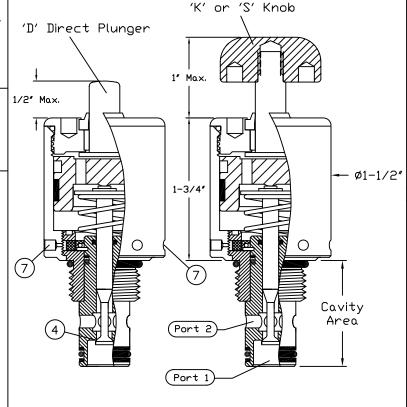
10 to 15 Pounds of Force is required to shift the valve poppet with zero pressure on ports 1 and 2.

Any pressure on port 1 will increase Force requirement by .030 X PSI at No. 1 Port. Any pressure on port 2 will increase Force requirement by .003 X PSI at No. 2 Port.

For total force requirement, add all 3 results.

Using port 2 as pressure inlet may reduce the force requirement to shift valve.

CARTRIDGE VALVE



Cavity & Housing

For 82#227M0#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

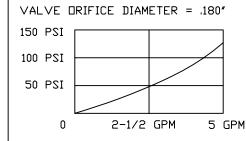
For 84#227M0#1 Valve: Cavity C-8542 (10-2): See Spec. Sheet 1200621

Line Mount Housings: See Spec. Sheets 1200674 and 1201455

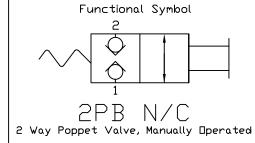
Panel Mount Housings: See Spec. Sheets 1202982 and 1202990

Valve Number: 8##227M0#1 2 = 3/4-16 Thread Cavity C-8502 (8-2) 4 = 7/8-14 Thread Cavity C-8542 (10-2) Key No. 4 Blank = Hard Seat K = Soft Seat

PRESSURE DROP CHART CV= 0.4



2PB SERIES



2DOERING