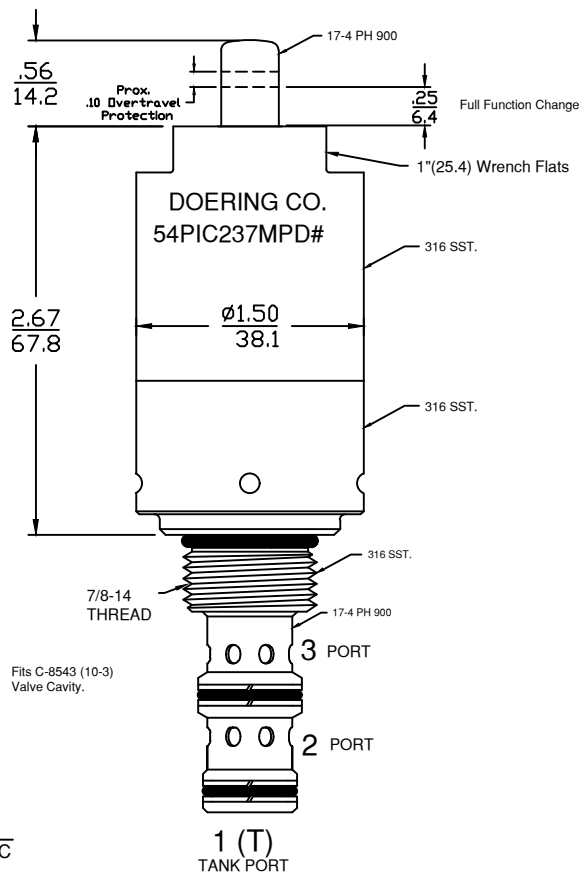


6343 RIVER ROAD SE ■ CLEAR LAKE, MN 55319 USA
 Telephone: 320-743-2276 ■ Fax: 320-743-3723
 mailbox@doering.com ■ www.doering.com

CARTRIDGE VALVE



OPERATION

Valve is Three Way, two position, spring return. Pressure Internally Compensated through T Port. Ideal for Sub-Sea applications.

Manually Operated Hydraulic Spool Valve.
 Three Way, Directional Control.
 Maximum System Pressure: Ports Two and Three is 3,000 PSIG.

The No. 1 (T) Port, must be used for Tank connection. Valve is pressure compensated through this port. Pressure at the T Port must be at the ambient pressure where the valve is used.

Spool Stroke is 1/4".
 Overtravel Option allows additional .10" Max. Stroke. Stroke and Over Travel dimensions are approximate. Fluid temperatures -40°F (-40°C) to 200°F (93.3°C)
 Install Cartridge valve using 1" wrench
 Valve should screw in freely to the Mount Seal. Final tightening 20 to 30 foot pounds torque. Use lubricant on external oil seals and mounting threads.

Seals

Standard seals are Buna-N some internal seals are Teflon. Back Up Rings are Teflon G/F (Glass Filled)
 Seal Options: EPR, Kalrez, Teflon, Viton
 Please call for Part Number and Price for Listed or Non-Listed Seal Options.

Cavity & Housing

Cavity & Tooling C-8543 (10-3):
 See Spec. Sheet 1200634

Line Mount Housings:
 See Spec. Sheet 1200673 & 1201903

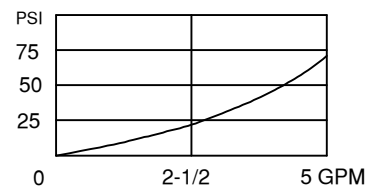
Panel Mount Housings & Stand Offs:
 See Spec. Sheets
 1202983 and 1203290

Cavity, Tooling & Housing Info found at www.doering.com
 Cavities, Housings & Manifolds.

Doering Company also manufactures multi function and multi station Housings & Manifolds.

Please call for assistance.

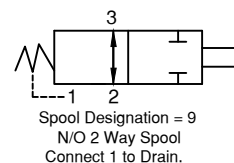
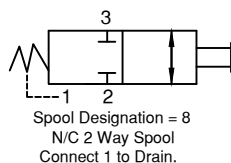
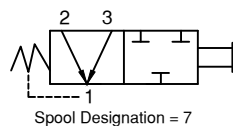
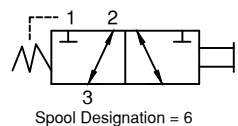
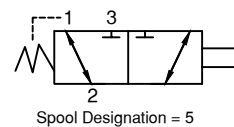
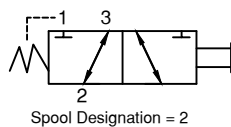
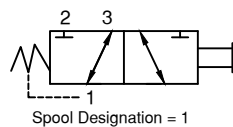
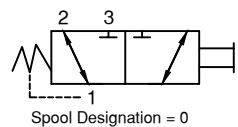
PRESSURE DROP CHART



CARTRIDGE VALVE ORDERING INFORMATION:

Order P/N 54PIC237MPD#####

Spool Designations Seal & Material Options



PIC-3S SERIES

3 Way Spool Valve, Manually Operated.
 Pressure Internally Compensated through T Port.
 Sub Sea rated with SS316 Suffix.

