CARTRIDGE VALVE

SPECIFICATIONS:
Manually Operated Hydraulic Spool Valve.
Three Way, Directional Control or Selector Valve.
Maximum System Pressure: Ports 1, 2, and 3) is 5,000 PSI. See "SHIFT FORCE NOTES" Fluid temperature -40°F (-40°C) to 200°F (93.3°C)
Install Cartridge Valve using No. 471 Spanner Tool.
Valve should screw in freely to the Mount Seal.
Final tightening to 15 foot pounds torque.
Use lubricant on external oil seals and mounting threads.

OPTIONS
Hand Button Operator Shown.
Valve is available with Direct Plunger operator.
Standard seals are Buna-N with Teflon back up rings.
Optional seals include Viton, Teflon and others.

SHIFT FORCE NOTES:
10 to 15 Pounds of Force is required to shift the valve spool with zero pressure on port no. 1.
Any pressure on Port No. 1 will increase Force Requirement by .012 x Port No. 1 PSI.

Cavity & Housing
Cavity & Tooling C-8543 (10-3):
See Spec. Sheet 1200634
Line Mount Housings:
See Spec. Sheet 1200673 & 1201903
Panel Mount Housings & Spacers:
See Spec. Sheets 1202983 and 1202990
Cavity, Tooling & Housing Info found at www.doering.com Cavities, Housings & Manifolds.

TOOLING
1/8 (3.175) Pin Spanner Tool
Order No. 471, Ref. Key No. 20
3/16 (4.763) Pin Spanner Tool
Order No. 472, Ref. Key No. 13

SHIFT FORCE NOTES:
Cartridge Valve
Order Number
54237MOK5
Suggested Connections
3 Way, Normally Closed
1 to TANK
2 to CYLINDER
3 to PRESSURE

54237MOK6
3 Way, Normally Open
1 to TANK
2 to PRESSURE
3 to CYLINDER

PRESSURE DROP CHART

3PS SERIES
3 Way Spool Valve, Manually Operated.
Directional Control or Selector Valve.