SPECIFICATIONS:

Manually Operated Hydraulic Spool Valve.

Three Way, Directional Control or Selector Valve.

Maximum System Pressure: Ports
1, 2, and 3) is 3,000 PSIG. 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 ore Buna-N with Teflon back up rings.
Optional seals include Viton, Teflon and others.

Keys 7 & 20 are vents to atmosphere.
T Option provides 10-32 Threaded ports at these
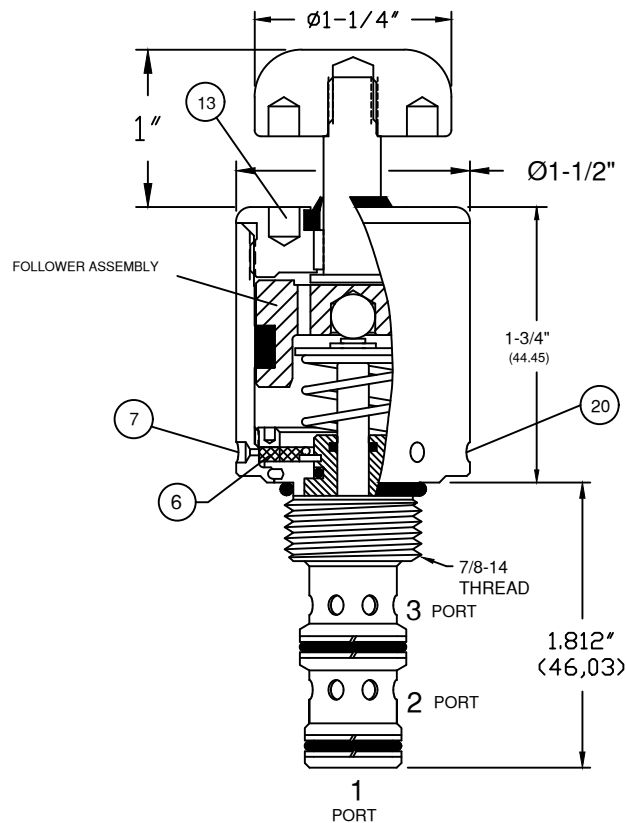locations. Key 6 Filter is not used with T Option.

· TOOLING

· 1/8 (3.175) Pin Spanner Tool
Order No. 471, Ref. Key No. 20
3/16 (4.763) Face Spanner Tool
Order No. 482, Ref. Key No. 13

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.

CARTRIDGE VALVE

Ø1-1/4"
1"
13
Ø1-1/2"
FOLLOWER ASSEMBLY
1-3/4"
(44.45)
7
20
6
7/8-14
THREAD
3 PORT
1.812"
(46,03)
2 PORT
1
PORT

Cavity & Housing

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

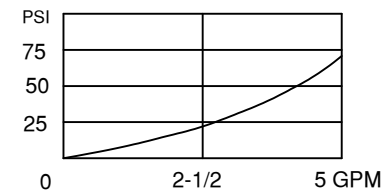Line Mount Housings:
See Spec. Sheet 1200673 & 1201903

Panel Mount Housings & Spacers:
See Spec. Sheets
1202983 and 1202990

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

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

Please call for assistance.

DOERING

Cartridge Valve Order Number	Suggested Connections	Functional Symbol
54237MOK5	3 Way, Normally Closed 1 to TANK 2 to CYLINDER 3 to PRESSURE	SHIFT NOTE 1 3 2
54237MOK6	3 Way, Normally Open 1 to TANK 2 to PRESSURE 3 to CYLINDER	SHIFT NOTE 1 2 3
54237MOK0	3 Way, Normally Open 1 to CYLINDER 2 to PRESSURE 3 to TANK	SHIFT NOTE 2 3 1
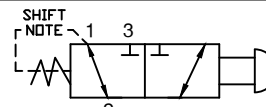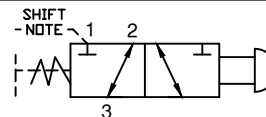
PRESSURE DROP CHART

PSI
75
50
25
0   2-1/2   5 GPM

3PS SERIES

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