CARTRIDGE VALVE

KEY EXPLANATION:

1. Port No. 1, Working
2. Port No. 2, Working
3. Poppet, Check, SST.
4. Poppet Check Spring, SST.
6. Filter, 10 Micron, Bronze
7. Vent (2 Pl.)
9. Follower Return Spring, SST.
10. Actuator Follower

SHIFT FORCE NOTES:

To determine operator Force in POUNDS to shift valve, multiply pressures at port 1 and port 2 times the respective areas:
Port No. 1 pressure X .062
Port No. 2 pressure X .030
Add the greater of these forces to 15 pounds required to compress springs 3 & 9.

Example: 1,000 PSI System
1,000 X .062 = 62#
62 + 15 = 77#
Total Operator Force = 77#

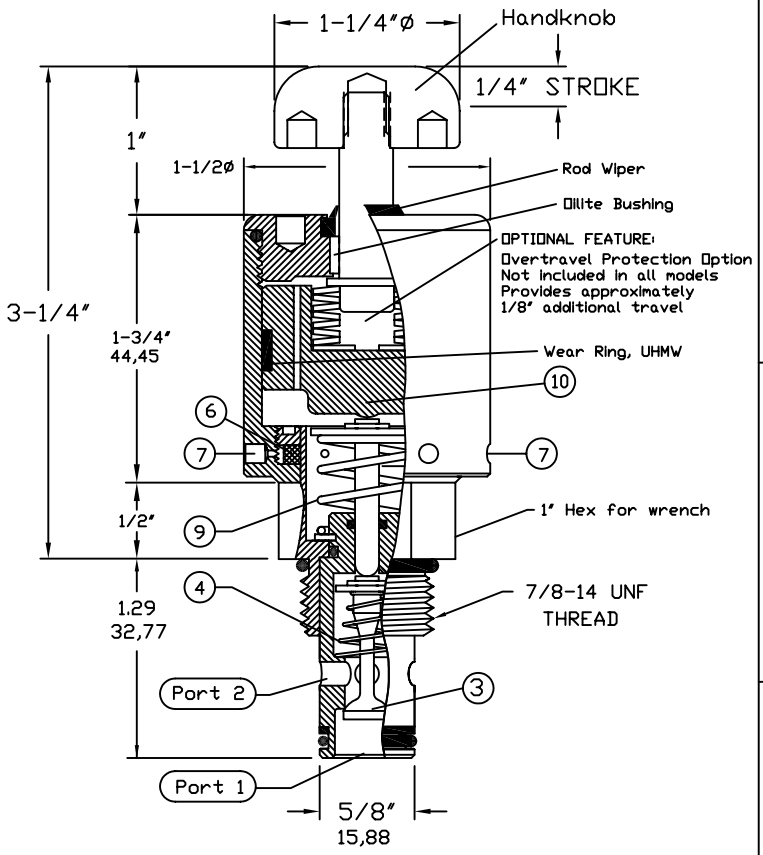


Illustration Shows: 94H92MPK06

Cavity & Housing

Cavity Drawing C-8542 (10-2):
1200621 Spec. Sheet

Line Mount Housings:
1200674 and 1201455
Spec. Sheets

Panel Mount Housings:
1202982 and 1202990
Spec. Sheets

SPECIFICATIONS:

Normally Closed Check Valve
Manually operate to Open
Maximum pressure at Ports 1 and 2 is 5,000 PSI.
See "SHIFT FORCE NOTES" regarding operating force required to open valve.
1/4" Stroke is approximate.
Overtravel protection feature is available.
Install Cartridge valve using 1" wrench
Final tightening to 20 foot pounds torque.
Use lubricant on external oil seals and mounting threads.
Fluid temperature -45°F (-42.7°C) to 200°F (93.3°C)

OPTIONS

Handknob operator shown. Other operators available are Cam Operators and Overtravel Protection.
Handknob is Aluminum standard or Stainless optional.
T Option 10-32 vent ports at Key 7 (2 Places)
Seat (Key 4) material is heat treated Stainless.
Seal Materials used are Buna-N and Teflon.
Optional seal and construction materials available.

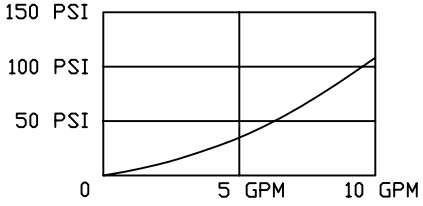
Valve Number: 94H92M##06

- O = No Overtravel Protection
- P = Overtravel Protection
- D = Direct Plunger
- K = Knob, Aluminum
- R = Red. Anodized Alum.
- S = Knob, Stainless

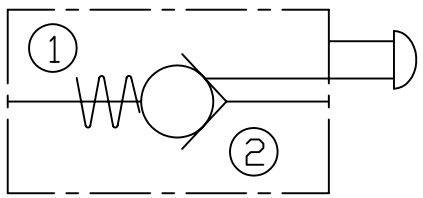
Drawn with K, R or S.

PRESSURE DROP CHART C_V=0.9

VALVE ORIFICE DIAMETER = .25"
Add 6 PSI Seat Crack Pressure



POC SERIES



Check Valve, Manually Operated to Open

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