



Cavity & Housing

For 82H204MOK1 Valve:
 Cavity C-8502 (8-2):
 See Spec. Sheet 1200630

Line Mount Housings:
 See Spec. Sheet 1200672

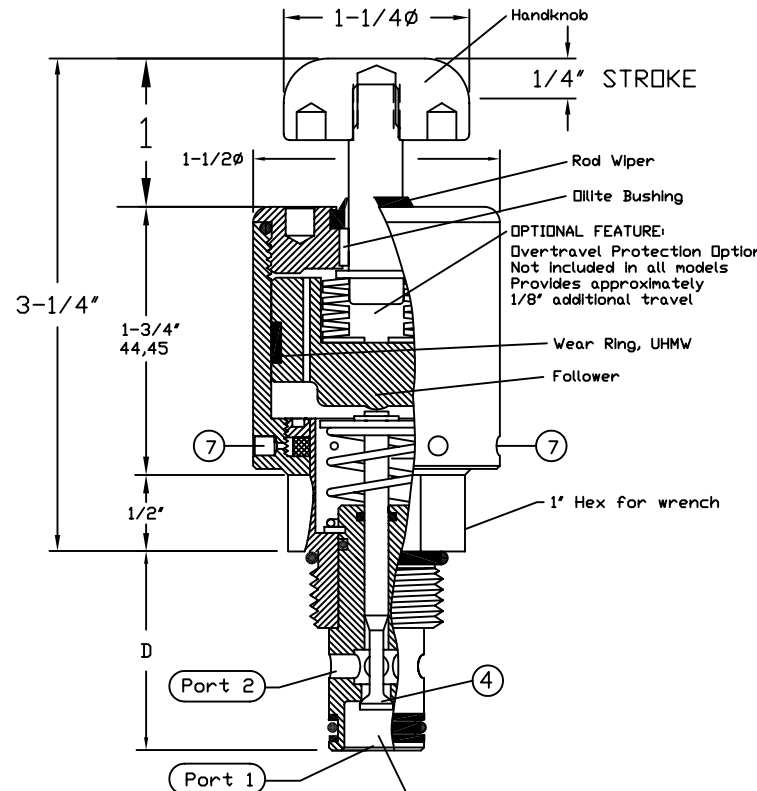
Panel Mount Housings:
 See Spec. Sheets
 1202981 and 1202990

For 84H204MOK1 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

CARTRIDGE VALVE



Optional orifice fits into this space.
 Call for order information.

SPECIFICATIONS:

Manually Operated poppet valve.
 Two way, normally closed, push operator to open.
 Use Port no. 1 for pressure Inlet.
 Maximum pressure 5,000 PSI, Cavity C-8502
 Cavity C-8542, 5,000 PSI Port 1, 3,500 PSI Port 2
 See 'SHIFT FORCE NOTES' regarding operating force
 required to open valve.
 1/4" Stroke is approximate.
 Overtravel Protection is available.
 Use 1" wrench 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

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) is hard Stainless Steel.

Seal Materials used are Buna-N and Teflon.
 Optional seal and construction materials available.

SHIFT FORCE NOTES:

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

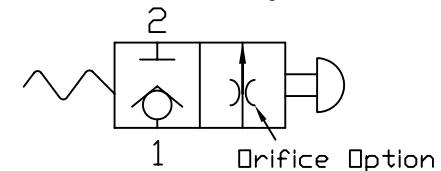
To determine the additional
 operating force imposed by
 the system pressure, multiply
 the system pressure X .013
 and add the result to the
 10 or 15 Pounds.

Example: 3,000 PSI System
 3000 X .013 = 39#
 39 + 15 = 54#
 Total Operator Force = 54#

* C * MAXIMUM APPLICABLE TO T OPTION ONLY	CARTRIDGE VALVE NO.	HOUSING CAVITY	" D " SUB SURFACE DETAIL	PRESSURE DROP CHART
.15 (3.8)	82H204MOK1	C-8502 (8-2)	<p>Use with Cavity C-8502.</p>	Flow without optional Orifice. $C_v = 0.1$
.15 (3.8)	84H204MOK1	C-8542 (10-2)	<p>Use with Cavity C-8542.</p>	

2PB SERIES

Functional Symbol



With optional DRIFICE, flow
 from Port 2 to Port 1
 may damage the valve.