SPECIFICATIONS:
Manually Operated Poppet Valve.
Two way, normally closed, push operator to open.
Maximum pressure 5,000 PSI Port 1, 3,000 PSI Port 2
Use Port no. 1 for pressure inlet.
See "SHIFT FORCE NOTES" regarding operating force required to open valve.
1/4" Stroke is approximate.
Overtravel protection feature 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. Optional soft seat is available. Add letter S after H in part no.
to order Kel-F &1 soft seat. Seal Materials used are Buna-N and Teflon.
Optional seal and construction materials available.

SHIFT FORCE NOTES:
To determine operator force in POUNDS to shift valve, multiply pressure at Port No. 1 pressure X .062
Add the result to 15 pounds required to compress spring.

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

Cavity & Housing
Cavity Drawing C-8542 (10-2):
1200621 Spec. Sheet
Line Mount Housings:
1200674 and 1202982
Spec. Sheets
Panel Mount Housings:
1202990
Spec. Sheets

Valve Number: 84H209M##1
D = No Overtravel Protection
P = Overtravel Protection
Operators:
K = Knob, Aluminum
R = Knob, Red Ano.
S = Knob, Stainless

PRESSURE DROP CHART

2PB SERIES
2PB N/C
2 Way Poppet Valve, Manually Operated