

**BRAND**  
**HYDRAULICS Co.**

Made in the Heartland of America  
Serving the World

Engineering & Manufacturing Solutions

# POR75-3/4

Adjustable Pilot Operated  
Relief Valves

## Specifications:

- Pressure rating 3000 psi (207 bar).
- Rated for 0-30 gpm (0-114 lpm)
- Weighs 5 lbs (2.3 kg).
- 30 Micron filtration recommended



PPOR75-3/4



ISO 9001:2008 WITH DESIGN  
Certificate #02.002.1

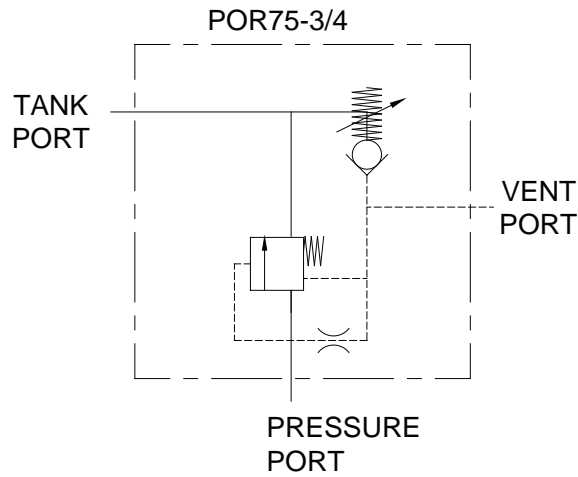


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# POR75-3/4

Adjustable Pilot Operated Relief Valves



### MATERIALS:

- Cast Iron Body
- Buna N O'Rings
- Heat Treated Steel Spool

### FEATURES:

- PRECISION GROUND HEAT TREATED SPOOL that assures long life.
- STEEL BALL will not jam, lock or seize and will always open.
- OPENING AND CLOSING of this relief valve is very accurate concerning repeatability and is smooth and surgeless.
- HOLES DRILLED CROSS-WISE allow the flow to gradually increase and decrease so that the change from closed to open is stepless and smooth.
- DAMPENING ORIFICE smoothes out pulsations caused by the poppet relief

**POR75-3/4 – GENERAL INFORMATION:**

The Brand, adjustable pilot operated relief valve maintains the same cracking pressure at low and high flows. As the pressure setting is exceeded a poppet type relief opens and allows a small pilot supply of fluid to escape a chamber at the end of the main spool. The escape of pilot supply causes the main spool to shift and thus opens a passageway which allows the main volume of pressurized fluid to escape to tank without passing over the poppet type relief. The higher the pump output the farther the spool shifts over to enlarge the opening to tank.

Paint (Optional) (P) painted black (other colors available, consult factory), (MP) epoxy coating.

**DIMENSIONAL DATA (POR75-3/4): inches & [millimeters]**

