



Shipping: 2332 S 25th St  
Omaha, NE 68105  
Phone: (402) 344.4434  
Fax: (402) 344.8091  
www.BRAND-HYD.COM



## HPV4 DIRECTIONAL CONTROL VALVES INSTALLATION & USER GUIDE

### SAFETY PRECAUTIONS:

- It is the purchaser's responsibility to determine the suitability of any Brand Hydraulics Co. product for an intended application, and to ensure that it is installed in accordance with all federal, state, local, private safety and health regulations, codes and standards. Due to the unlimited variety of machines, vehicles and equipment on which our products can be used, it is impossible for Brand Hydraulics Co. to offer expert advice on the suitability of a product for a specific application. It is our customer's responsibility to undertake the appropriate precautions, testing and evaluation to prevent injury to the end-user.
- Overpressure may cause sudden and unexpected failure of a component in the hydraulic system, resulting in serious personal injury or death. Always use a gauge when adjusting a relief valve.

### SPECIFICATIONS:

- Rated 0-5 gpm (0-19 lpm).
- Rated for 6000 psi (414 bar).
- Weighs 1.25 lbs. (0.6 kg).
- Standard port size 1/4" NPT all.
- 30 in lbs (3.4 Nm) to turn HPV4 spool @ 3000 psi (207 bar).
- 15 degrees of rotation before work ports open to pressure or tank.
- 30 – Micron filtration recommended.

### MOUNTING INSTRUCTIONS:

- **Mounting** – Valve can be mounted in any orientation. Valve must be mounted on a flat surface. Special attention should be paid to not bend or twist the casting when mounting. Doing so may cause the valve to fail.

### FREQUENTLY ASKED QUESTIONS:

**Q:** How many in-lb is required to turn HPV4 spool at 3000psi?

**A:** 30 in-lb is required.

**Q:** How many degrees of rotation are required from neutral before work ports open to tank?

**A:** 15 degrees is required.

**Q:** What kits are available for this valve?

**A:** There is a replacement seal kit (Part #: HPV4-K)

**Q:** Can I paint the valve?

**A:** Painting valves is acceptable as long as all ports are plugged.

### GENERAL INFORMATION:

**Pipe Thread Sealant** - Warranty is void when Teflon tape is used to seal pipe threads. This is because Teflon tape is a friction reducing agent which allows customers to over-torque fittings. We recommend using a sealant that does not include friction reducing agents i.e. Lead Plate.



Shipping: 2332 S 25th St  
Omaha, NE 68105  
Phone: (402) 344.4434  
Fax: (402) 344.8091  
www.BRAND-HYD.COM



**DIMENSIONAL DATA:**

