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## FP STYLE ADJUSTABLE PROPORTIONAL DIVIDER 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 for 3000 psi (207 bar).
- Rated for 0-30 gpm (0-114 lpm).
- 30-Micron filtration recommended.
- Weighs 7-1/2 lbs. (3.4 kg).

### MOUNTING & ADJUSTMENT 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 compensator spool to bind, causing valve to fail. It is recommended to install washers between casting and mounting surface.
- **Relief Adjustment (FP53 valve)** –Relief setting is factory preset to 1500 psi, unless otherwise noted within model code. Relief valve can be set anywhere within the range of 500 psi to 3000psi.  
**To adjust relief pressure:** There is a 5/16" hex screw located inside the port on the side of the valve that does not have large hex jam nut. Turning the screw in, or clockwise 1 full turn will increase pressure by 800 psi.

### FREQUENTLY ASKED QUESTIONS:

**Q:** Can one of the outlet ports be blocked?

**A:** No. If one of the outlet ports is blocked or plugged for any reason the compensation spool will attempt to compensate for increasing pressure, and shift thus blocking the other port as well, and rendering valve inoperable. **DO NOT BLOCK EITHER OUTLET PORT.**

**Q:** Can flow be sent in reverse through valve.

**A:** Yes, but only if you have the FP55 OR FP56 valve. If you're unsure of your valve's model number, please contact factory for assistance.

### 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.



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**DIMENSIONAL DATA:**  
 FP53-3/4 or FP55-3/4 SHOWN:

