

INSTALLATION SHEET FOR BG5, BGR5 & BGC5 STYLE PRIORITY DIVIDER KEEP WITH PRODUCT UNTIL INSTALLED

ADDITIONAL SHEETS MAY BE PRINTED OUT FROM OUR WEBSITE WWW.BRAND-HYD.COM UNDER PRODUCT CATALOG SECTION

Priority Port – The Priority Port is identified by a number stamped into the casting identifying the priority flow rate controlled by the valve. For example, a BG506-3/4 will have a priority flow rate of 6gpm. The flow coming out of the Priority Port is pressure compensated.

EX port (Excess Flow) - Flow coming from the EX port is also pressure compensated.

WHAT IF I?

Block the Priority port – Compensator spool will shift over and close off the EX port. Do not block the Priority port.

Block the EX port – to do this a pressure compensated or load sense pump must be used. We also offer a special compensator spool (C9A-2P) to help reduce instability issues.

Mounting Surface – The valve must be mounted on a flat surface. It is important not to bend or twist the casting when mounting because this may cause the comp spool to bind. On rigid surfaces we recommend washers between casting and mounting surface.

Have Instability Issues – Most instability issues can be resolved by using a different compensator spool or spring. The following parts can be substituted for the C9A compensator spool: C9AS, C9A-093, C9A-2P and XDC609, spring: P1652.

Instability generally occurs when a motor is turning something that can free wheel (fan) or has a shaking force (vibration). When this occurs the compensator spool tries to compensate for all the changes in load. The reaction to each other becomes unstable and leads to chatter & noises.

Adjusting the Relief (BGR valves) – The 5/16” hex screw used to adjust the relief is located inside the Excess Port. Turning the screw in, or clockwise, ¼ will increase the relief pressure by 200psi.

Other Information – Valves are available in NPT and optional SAE, consult factory for sizes.

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.

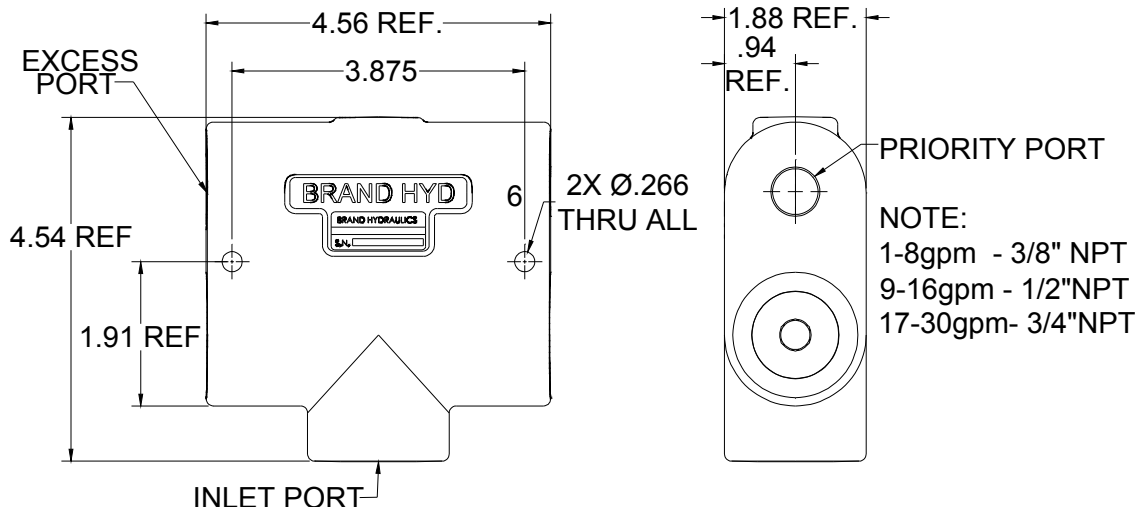


Figure 1: Dimensional Data for BG valves (BG506-3/4 Shown)