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ISO 9001:2000 WITH DESIGN
Certificate #02.002.1

INSTALLATION SHEET FOR 36EFC SECTIONAL DIRECTIONAL CONTROL VALVES WITH ELECTRONIC FLOW CONTROL KEEP WITH PRODUCT UNTIL INSTALLED

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

Notice: Series 36 Work Sections have #8(3/4-16) SAE O-ring Ports; Series 38 Work Sections have #10(7/8-14) SAE O-ring Ports. The Inlet and Outlet sections are both #12 SAE Ports.

How do I adjust pressure relief?

High Spool Sections with Port Relief:

Inlets with “C” & “R” style relief: This relief is identified by a black 1” hex lock nut. Once the lock nut is loosened, the relief can be adjusted using a 5/16” hex wrench. The factory relief setting will be stamped on the set screw. The pressure range your valve will work best in will depend on which spring was installed, if your spring is:

White (p/n: P1279): 2400 - 3000psi [165.5-206.8bar]

Yellow (p/n: P1270): 1400 - 2500psi [96.5-172.4bar]

(Spring will have ~7.5 coils, cross section dia. ~ 0.119 [3.02mm])

Orange (p/n: P1270-360): 700 - 1400psi [48.3-96.5bar]

Yellow (p/n: DC7594): 300 - 700psi [20.7-48.3bar]

(Spring will have ~8.25 coils, cross section dia. ~ 0.090 [2.29mm])

Clockwise rotation of the screw will increase the relief pressure.

EFC Section with Relief:

Relief Adjustment –The relief pressure will be preset to customer specifications. In order for the relief to work, the EX port must be plumbed back to tank. To adjust the relief, simply loosen the relief lock nut and then turn the relief adjustment fitting clockwise to increase the pressure setting. Both the relief lock nut and relief adjustment fitting accept a 1.375” wrench.

Mounting Surface – The valve must be mounted on a flat surface. It is important not to bend or twist the castings when mounting because this may cause the valves to bind.

Can I paint my valve? –Yes, as long as all the ports are properly plugged. Failure to take the proper precautions prior to painting your valve may void your warranty.

What is the correct torque for the tie rod nuts?

The correct torque spec on the tie rod nuts is 85 inch pounds [9.6Nm]. Both nuts on each rod should be tightened at the same time to prevent bind in the section.

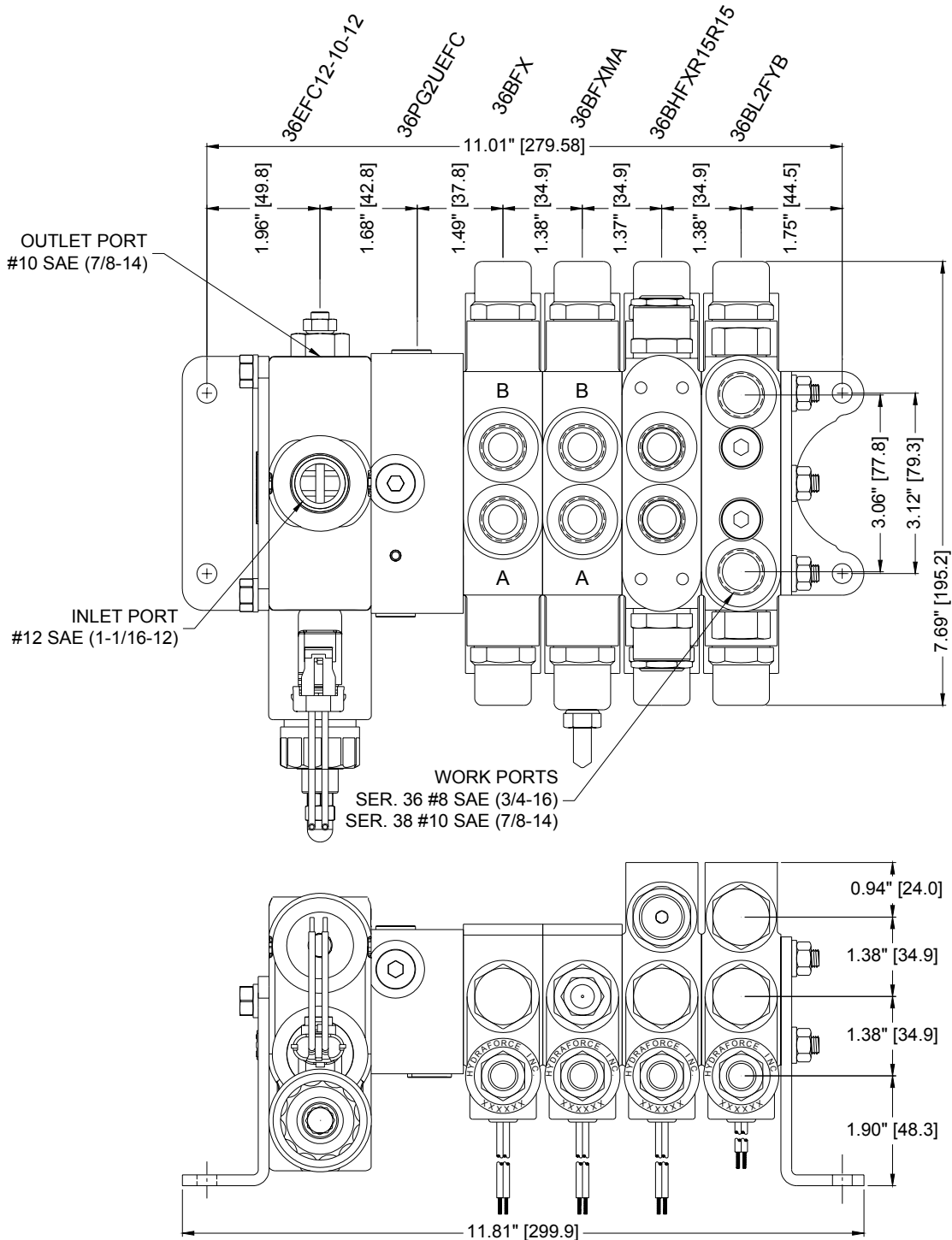


Figure 1: Dimensional data for various 36EFC valve sections in inches & [millimeters].