



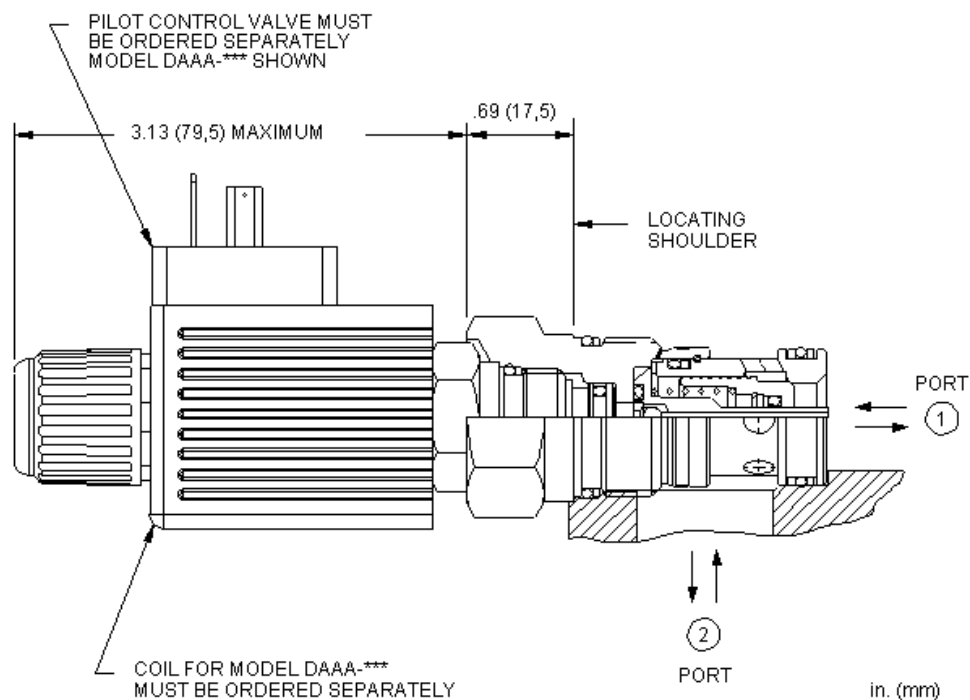
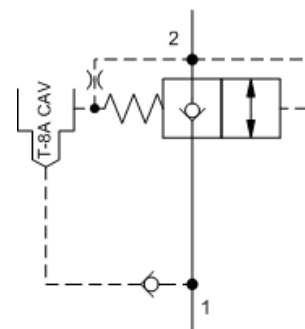
2-way, poppet directional valve with integral T-8A control cavity - control 2-1

Capacity:
30 gpm (120
L/min.)

Model:
DFDB

Product Description

This valve is a 2-position, 2-way poppet cartridge that incorporates an integral pilot control cavity. It controls flow from port 2 to port 1, exhibits extremely low leakage rates and will accept 5000 psi (350 bar) at both ports. Installing a pilot solenoid cartridge in the T-8A cavity results in a high flow directional valve. Other pilot options include manual, hydraulic and pneumatic pilot cartridges.

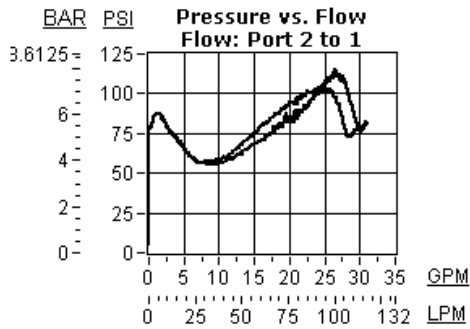
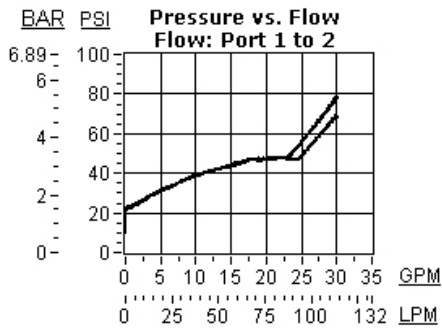


Technical Features

- NOTE: The main stage valve should first be installed to the correct torque value followed by the T-8A pilot control section into the main stage valve to its required torque value.
- The -8 control option allows the pilot control valve to be incorporated directly into the end of the directional cartridge via the T-8A cavity. These pilot control cartridges are sold separately and include solenoid operation, air pilot operation, and hydraulic pilot operation. See Pilot Control Cartridges.
- Incorporates the Sun floating style construction to minimize the possibility of internal parts binding due to excessive installation torque and/or cavity/cartridge machining variations.

Technical Data

	U.S. Units	Metric Units
Cavity	T-5A	
Capacity	30 gpm	120 L/min.
Maximum Operating Pressure	5000 psi	350 bar
Maximum Valve Leakage at 110 SUS (24 cSt)	10 drops/min.@5000 psi	0,7 cc/min.@350 bar
Pilot Control Cavity	T-8A	
Pilot Control Valve Installation Torque	20 - 25 lbf ft	27 - 33 Nm
Response Time - Typical	see pilot control ms	
Series (from Cavity)	Series 2	
Valve Hex Size	1 1/8 in.	28,6 mm
Valve Installation Torque	45 - 50 lbf ft	60 - 70 Nm
Seal Kits - Cartridge	Buna: 990-203-007	
Seal Kits - Cartridge	Viton: 990-203-006	
Model Weight	0.33 lb.	0.15 kg.



DFDB-8DN

Control

Standard Options

8 T-8A Cavity

Cracking Pressure

Standard Options

D 50 psi (3,5 bar)

Seal Material

Standard Options

N Buna-N
V Viton