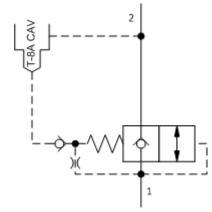
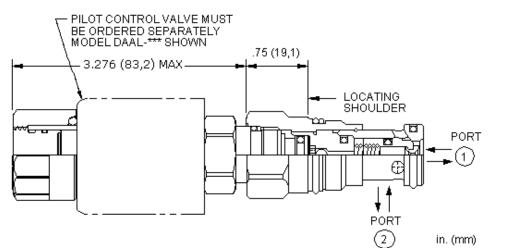


MODEL



sunhydraulics.com/model/DFCA8





## CONFIGURATION

Seal Material Material/Coating

This valve is a 2-position, 2-way poppet cartridge that incorporates an integral pilot control cavity. It controls flow

from port 1 to port 2, 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 DATA NOTE: DATA MAY VARY BY CONFIGURATION. SEE CONFIGURATION SECTION.

Cavity	T-13A	
Series	1	
Capacity	15 gpm	
Maximum Operating Pressure	5000 psi	
Maximum Valve Leakage at 110 SUS (24 cSt)	10 drops/min.@5000 psi	
Pilot Control Cavity	T-8A	
Pilot Control Valve Installation Torque	20 - 25 lbf ft	
Response Time - Typical	see pilot control ms	
Valve Hex Size	7/8 in.	
Valve Installation Torque	30 - 35 lbf ft	
Model Weight	0.00 lb.	
Seal kit - Cartridge	Buna: 990-310-007	
Seal kit - Cartridge	Viton: 990-310-006	

NOTES: • Compound cartridge (pilot and main stage) assembly information is provided for reference only. Cartridges must be ordered separately and assembled at point of use.

SEAL MATERIAL	(V)	MATERIAL/COATING
V Viton		Standard Material/Coating
N Buna-N		IAP Stainless Steel, Passivated

## **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.

## PERFORMANCE CURVES

