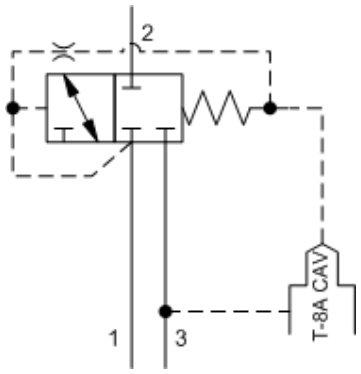
MODEL
DVCB

2-way, vent-to-operate, directional valve with internal drain to port 3 and integral T-8A control cavity - normally closed

SERIES 2 / CAPACITY: 15 gpm / CAVITY: T-2A

sunhydraulics.com/model/DVCB



This valve is a normally closed, 2-way directional cartridge that incorporates an integral pilot control cavity. It may be used by itself or to actuate larger pilot-operated directional cartridges or logic elements. The valve shifts when there is flow through the pilot control cartridge installed in the T-8A cavity.

CONFIGURATION

8	Control	T-8A Cavity
F	Minimum Control Pressure	100 psi (7 bar)
N	Seal Material	Buna-N

TECHNICAL DATA

NOTE: DATA MAY VARY BY CONFIGURATION. SEE CONFIGURATION SECTION.

Cavity	T-2A
Series	2
Capacity	15 gpm
Maximum Operating Pressure	5000 psi
Control Pilot Flow	10 - 15 in³/min.
Maximum Valve Leakage at 110 SUS (24 cSt)	2 in³/min.@1000 psi
Pilot Control Cavity	T-8A
Valve Hex Size	1 1/8 in.
Valve Installation Torque	45 - 50 lbf ft
Seal kit - Cartridge	Buna: 990202007
Seal kit - Cartridge	Polyurethane: 990002002
Seal kit - Cartridge	Viton: 990202006
Model Weight	0.42 lb.

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.

CONFIGURATION OPTIONS

Model Code Example: DVCBArray

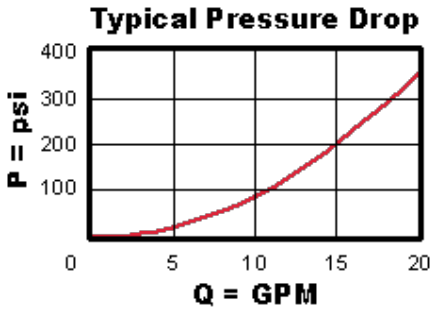
CONTROL (8)	MINIMUM CONTROL PRESSURE (F)	SEAL MATERIAL (N)
8 T-8A Cavity	**F** 100 psi (7 bar)	**N** Buna-N
		V Viton

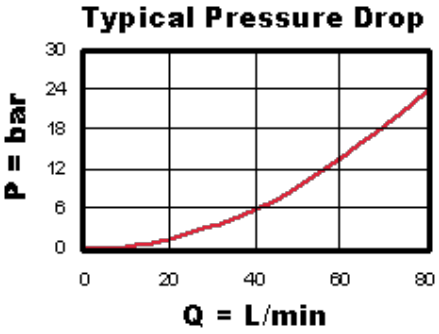
TECHNICAL FEATURES

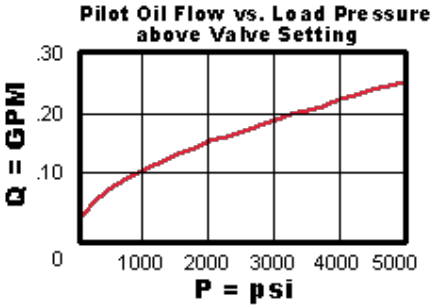
- NOTE: The main stage valve should first be installed to the correct torque value followed by the T-8A pilot control section into the main stage valve to its required torque value.
- This valve is not bistable; it is capable of modulating between the two positions shown.
- Pressure at port 3 may oppose the opening of the valve. Because of this, port 3 may not be useable as a work port in your circuit. If this is a consideration, the 4 port version of this valve may be a solution.
- There must be a pressure source at port 1, relative to port 3, to shift the valve.
- 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.
- Leakage listed in technical data is for each path.
- 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.

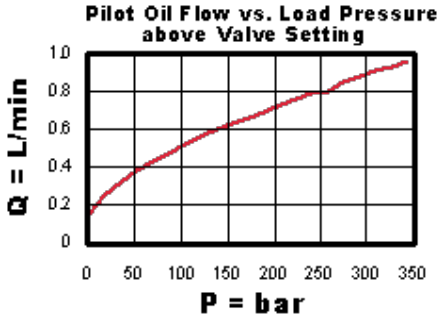
PERFORMANCE CURVES

© 2026 Sun Hydraulics









© 2026 Sun Hydraulics