

OPERATION

This is a normally-closed, pilot-operated, poppet-style 10-size solenoid valve. When de-energized, the HSVP10-NC acts as a check valve allowing flow from port 1 to port 2, and blocking flow from port 2 to port 1. When energized, the valve's poppet is shifted and allows flow from port 2 to port 1, and severely restricts from port 1 to port 2.

APPLICATIONS

The HSVP10-NC is designed to function as load holding or blocking valve in applications where low internal leakage is required. In load holding applications, the circuit should be designed so that the de-energized state is the position that is holding the load.



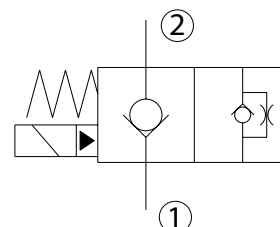
Shown with Standard H16 Coil,
Deutsch Connector

SPECIFICATIONS

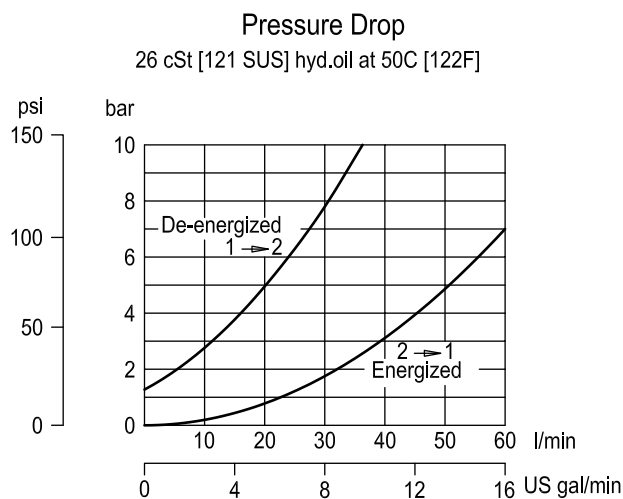
Rated pressure*	350 bar [5075 psi]*
Rated flow at 7 bar [100 psi]	65 l/min [17 US gal/min]
Leakage	6 drops/min @ Rated pressure
Weight	0.42 kg [0.93 lb]
Cavity	SDC10-2
Standard Coil	H16 29 Watt

* Rated Pressure based on NFPA fatigue test standards (at 1 Million Cycles).

SCHEMATIC



PERFORMANCE CURVES

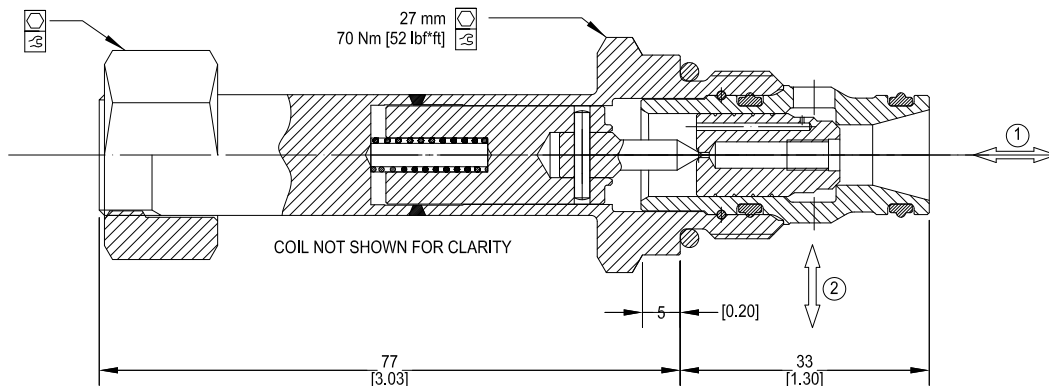


DIMENSIONS

mm [in]

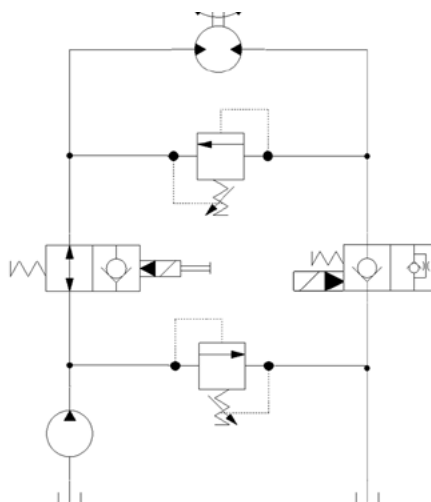
24mm
9-11 Nm
[80-97 lbf*in]
P/N 173804910

Cross-sectional view



EXAMPLE CIRCUITS

On/Off Motor Circuit



ORDERING INFORMATION

HSVP10 - NC - H12D - DE - XC - P - 00

High Pressure Solenoid Valve
Normally-Closed, Pilot Operated,
10 Size, Poppet Type

Coil Voltage

Code	Description
00	No Coil
H12D	12 VDC
H24D	24 VDC

Coil Termination

Code	Description	IP Rating
00	No Coil	-
FL	Flying Lead	IP69K
DE	Deutsch	IP69K
AS	AMP Super Seal 1.5 & Metri Pack 150 type 1	IP69K
ASDB	AMP Super Seal with Diode Bidirectional	IP69K
DEDB	Deutsch with Diode Bidirectional	IP69K
FLDB	Flying Lead with Diode Bidirectional	IP69K

Bodies

Code	Ports & Material	Body Nomenclature
00	Cartridge Only	No Body
S3B	3/8 BSP, Ductile	SDC10-2-S3B
S4B	1/2 BSP, Ductile	SDC10-2-S4B
S6S	#6 SAE, Ductile	SDC10-2-S6S
S8S	#8 SAE, Ductile	SDC10-2-S8S

*** Aluminum Bodies available for lower pressure applications. Please consult factory for details.

Seal Option

Code	Seal Material	Seal Kit
P	Polyurethane Single Seal	11132135
V	Viton	354000819

Manual Overrides

Code	Description
XC	No Manual Override