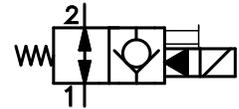
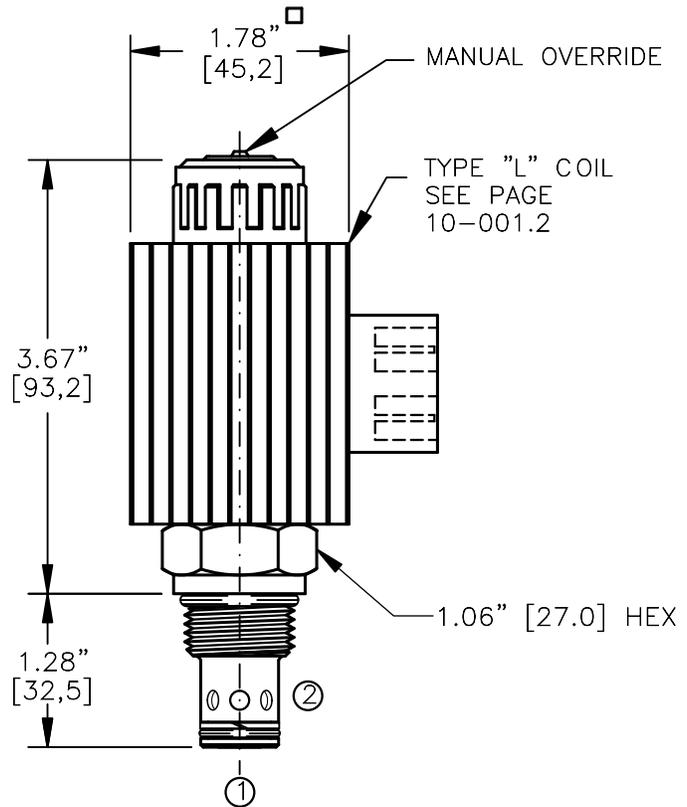
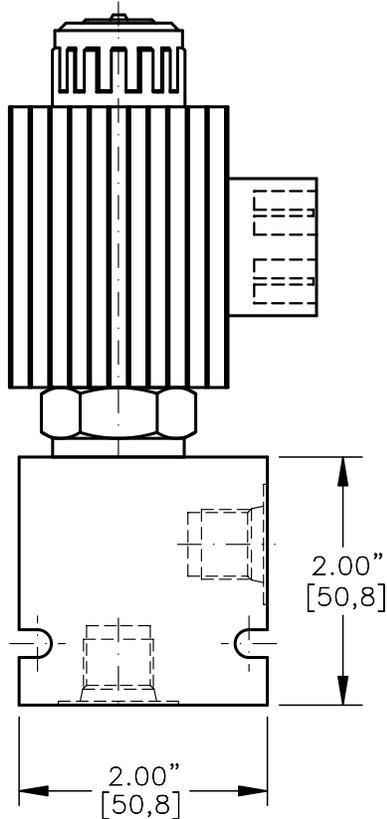


SOLENOID VALVE, NORMALLY OPEN.
PILOT OPERATED, POPPET TYPE (2/2)



TORQUE:

Steel = 55/60 Ft-Lb. [74/81 Nm]
Aluminum = 35/40 Ft-Lb. [47/54 Nm]



NOTES:

1. FOR ALUMINUM OR STEEL VALVE HOUSING CONFIGURATIONS SEE PAGE 0-012.1
2. SOLENOIDS AVAILABLE WITH DIODES - CONSULT FACTORY.
3. ALL A.C. COILS ARE INTERNALLY A.C. TO D.C. RECTIFIED.
4. FOR SOFT SHIFT SOLENOID VALVE SEE PAGE 10-002.0

EMDV-10-X-O4-X-XXX X

BASIC

SIZE
10 = 7/8"-14UNF

SEALS
N = BUNA "N"
V = VITON

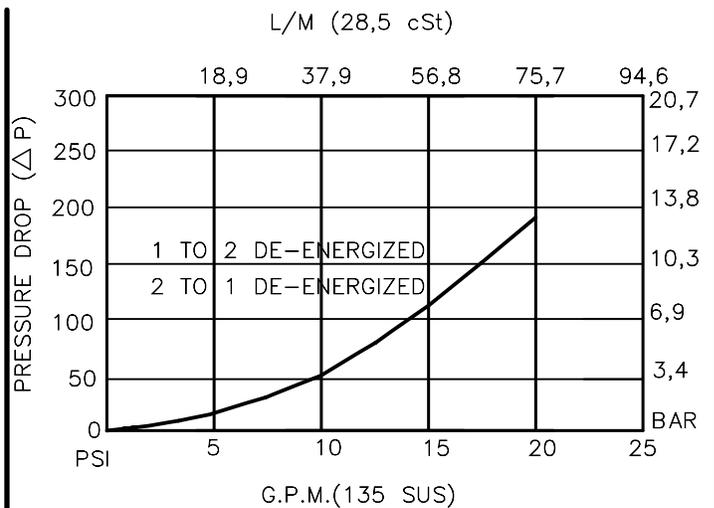
TYPE
O4=NORMALLY OPEN
2-WAY, 2-POSITION

PORTS
0 = CARTRIDGE ONLY
06TX = SAE - #6
08TX = SAE - #8
02BX = 1/4" BSPP
03BX = 3/8" BSPP

TERMINALS
L = 18GA. 24" LEADS
T = SPADE TERM.
B = BOLT TERM.
G = DIN43650
W = WEATHER-PACK
D = DEUTSCH-DT04-2P
M = METRI-PACK CONN.

VOLTAGE	AMPS
12D = 12 VDC	3.00
24D = 24 VDC	1.50
36D = 36 VDC	1.00
48D = 48 VDC	0.75
110D = 110 VDC	0.33
115A = 115 VAC	0.32
230A = 230 VAC	0.16

"A" - ALUM. HOUSING
"S" - STEEL HOUSING



SOLENOID VALVE NORMALLY OPEN, PILOT OPERATED, POPPET TYPE (2/2)

DESCRIPTION

This unit is a NORMALLY OPEN, TWO POSITION, screw-in cartridge type, pilot operated, poppet type, solenoid operated, bidirectional, control valve.

OPERATIONS

When solenoid coil is de-energized, this valve allows flow between ports 2 and 1 and free reverse flow between ports 1 and 2. When solenoid coil is energized, the poppet in this valve is shifted to block flow between ports 2 and 1 and reverse flow between ports 1 and 2 at a high pressure drop.

Manual Operator Standard: Push in and hold a small plunger on top of the valve with a screw driver or a similar plunger smaller than .188" dia.

FEATURES AND BENEFITS

Continuous-duty, very low heat rise & waterproof solenoid coil.
Interchangeable solenoid coils & terminations options available.
Hardened precision fitted spool & sleeve provides reliable, long life.
Very efficient, wet-armature solenoid core tube construction.
All external carbon steel parts are plated for longer life against the elements.
All cartridge valves are 100% functionally tested.
Industry common cavity.

**SOLENOID VALVE NORMALLY OPEN,
PILOT OPERATED, POPPET TYPE (2/2)****SPECIFICATIONS**

OPERATING PRESSURE: 5,000 PSI [350 Bar]
PROOF PRESSURE: 10,000 PSI [700 Bar]
FLOW: 20.0 GPM [75,7 l/m] See performance chart.
INTERNAL LEAKAGE: 5 drops/min [0.25 cc/m] @ 5,000 PSI [350 Bar]
VALVE HOUSINGS: 2500 PSI [175 Bar] = Aluminum – Anodized.
5000 PSI [350 Bar] = Steel – Unplated.
OIL TEMPERATURE: -40° to +175° F. [-40° to +80° C.]
AMBIENT TEMPERATURE: -40° to +122° F. [-40° to +50° C.]
Please consult factory for continuously energized or
high ambient temperature application (>122° F [50°C])
OPERATING MEDIA: All general purpose hydraulic fluids such as
MIL-H-5606, SAE-#10, SAE-#20, etc.
RESPONSE TIME: First indication of change in pressure with 100%
voltage supplied @ 80% of nominal flow rating.
* Pull-in: 50 ms
* Drop-Out: 50 ms
SEAL KIT: SKN-1022 Buna "N"
SKV-1022 Viton
INSTALLATION: No restrictions.
WEIGHT: 1.80 lb [0,82 kg] cartridge with coil only.
VALVE CAVITY: #C1020, See Page 0-012.0.

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www.bucherhydraulics.com/commoncavity

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