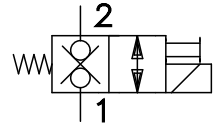
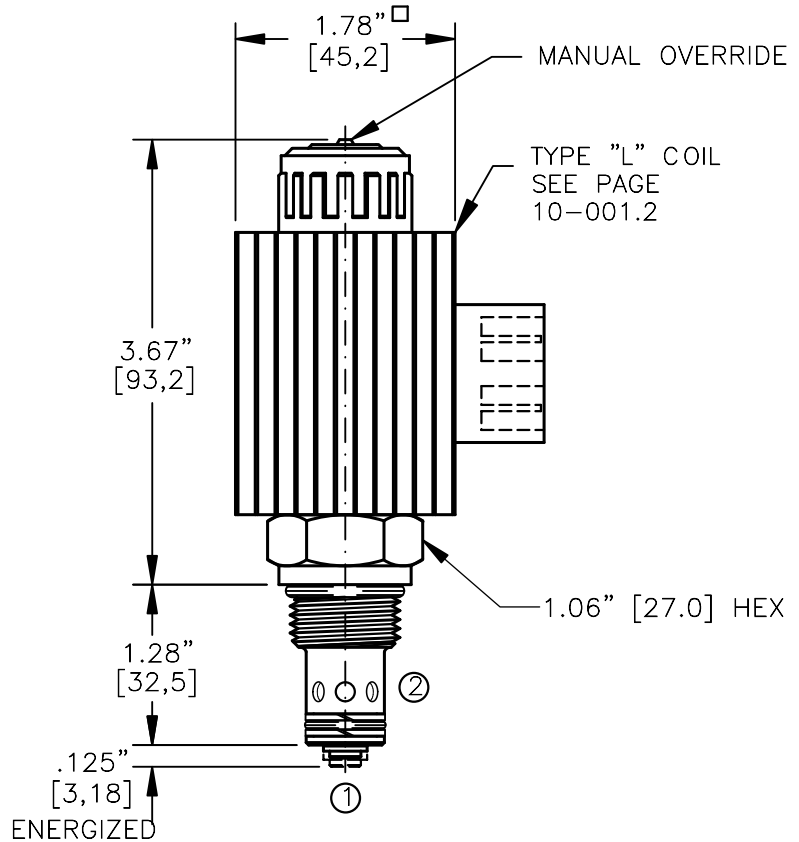
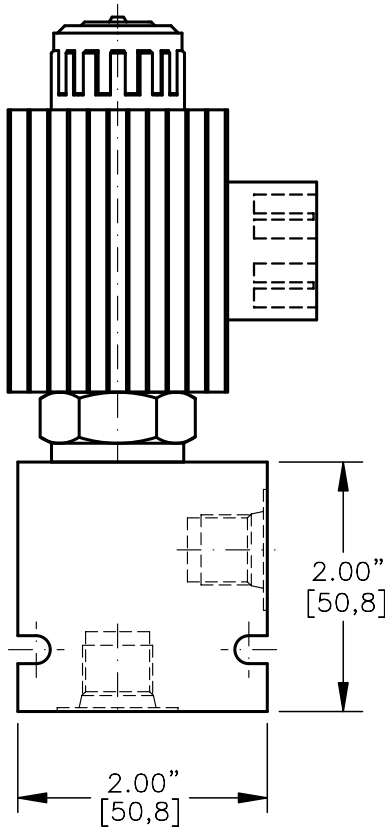


SOLENOID VALVE, NORMALLY CLOSED.  
DIRECT ACTING, BALANCED POPPET (2/2)



TORQUE:

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



NOTES:

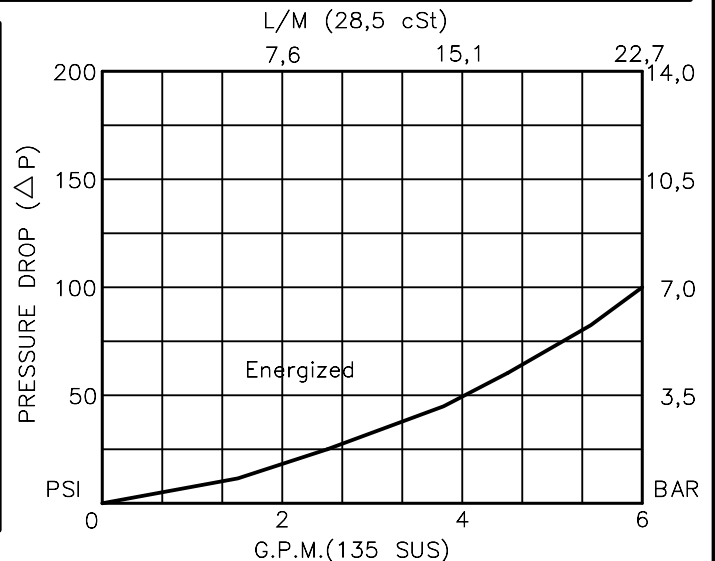
1. FOR ALUMINUM OR STEEL VALVE HOUSING CONFIGURATIONS SEE PAGE 0-012.1
2. SOLENOIDS AVAILABLE WITH DIODES - CONSULT FACTORY.
3. ALL A.C. COILS ARE INTERNALLY A.C. TO D.C. RECTIFIED.
4. FOR SOFT SHIFT SOLENOID VALVE SEE PAGE 10-002.0

EMDV-10-X-C3-X-XXX X

BASIC \_\_\_\_\_  
 SIZE \_\_\_\_\_  
 10 = 7/8"-14UNF  
 SEALS \_\_\_\_\_  
 N = BUNA "N"  
 V = VITON  
 TYPE \_\_\_\_\_  
 C3=N.C. BALANCED POPPET  
 2-WAY, 2-POSITION  
 PORTS \_\_\_\_\_  
 0 = CARTRIDGE ONLY  
 02BX = G 1/4" BSPP  
 03BX = G 3/8" BSPP  
 06TX = SAE - #6  
 08TX = SAE - #8  
 "A" = ALUM. HOUSING  
 "S" = STEEL HOUSING

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



**SOLENOID VALVE, NORMALLY CLOSED,  
DIRECT ACTING, BALANCED POPPET (2/2)****DESCRIPTION**

This unit is a NORMALLY CLOSED, TWO POSITION, cartridge type, balanced poppet, direct acting, screw in type, solenoid operated, directional control valve.

**OPERATIONS**

When solenoid coil is de-energized, this valve allows no flow from ports 1 to 2 and 2 to 1.

When solenoid coil is energized, the spool in this valve is shifted and allows flow from ports 1 to 2 and 2 to 1.

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 poppet & 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 CLOSED,  
DIRECT ACTING, BALANCED POPPET (2/2)**

**SPECIFICATIONS**

OPERATING PRESSURE: 5,000 PSI [350 Bar]  
 PROOF PRESSURE: 10,000 PSI [700 Bar]  
 FLOW: 6.0 GPM [22 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: 1.90 lb [0,86 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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