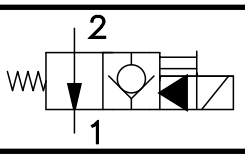
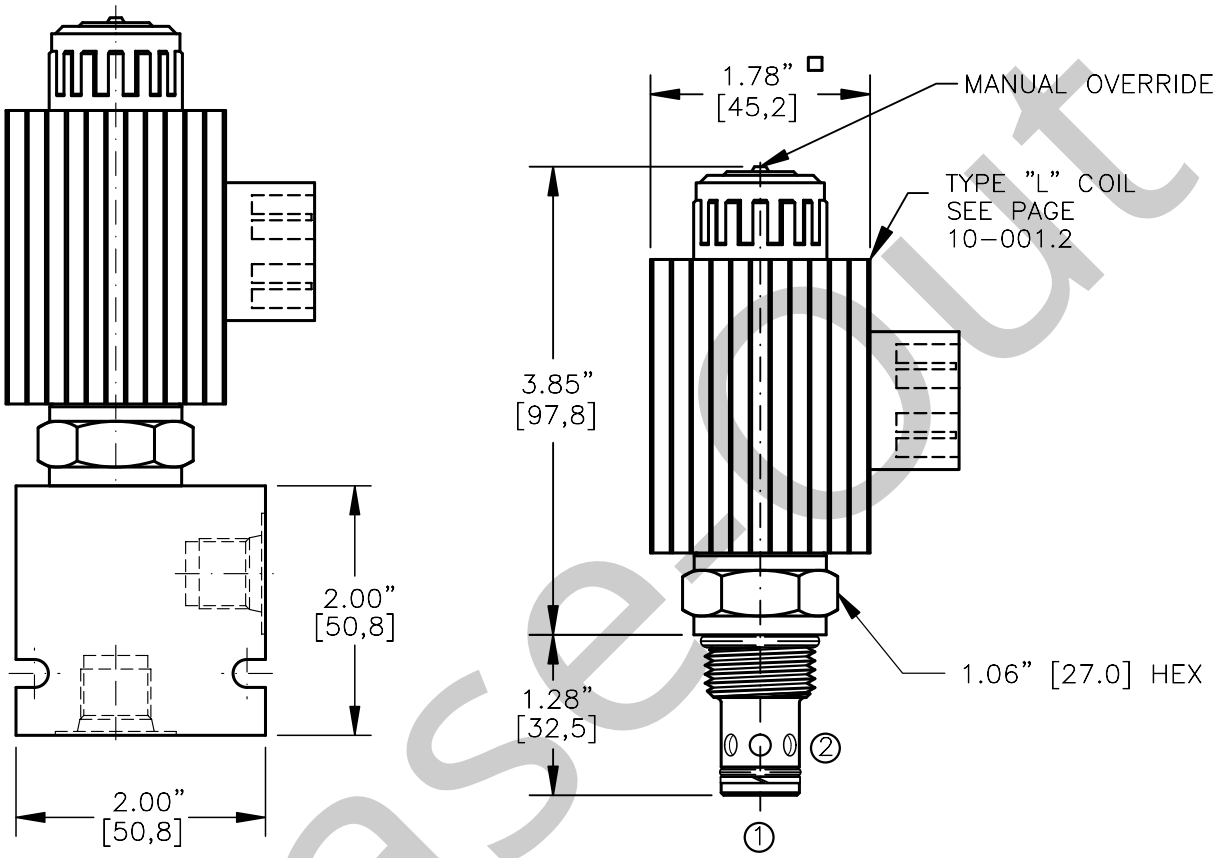
BUCHER hydraulics

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–02–X–XXX X

BASIC

SIZE
10 = 7/8"–14UNF

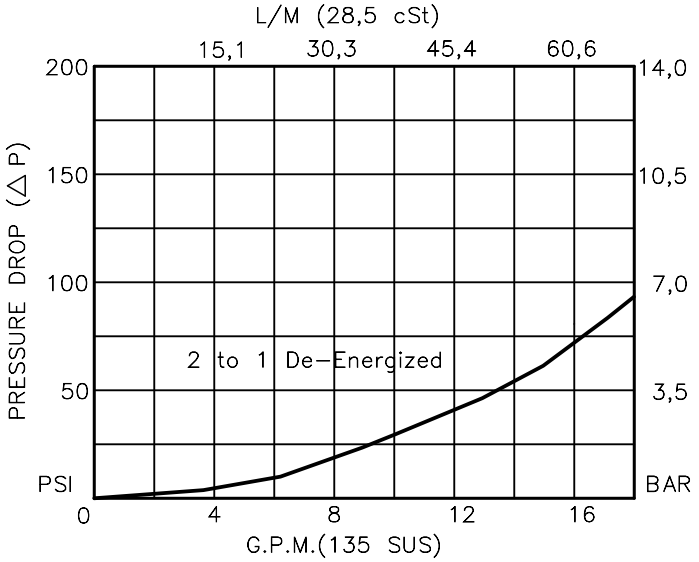
SEALS
N = BUNA "N"
V = VITON

TYPE
02=NORMALLY OPEN 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



Phased Out

BUCHER hydraulics

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

DESCRIPTION

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

OPERATIONS

When solenoid coil is de–energized, this valve allows flow from ports 2 to 1 and restricted flow from ports 1 to 2.
When solenoid coil is energized, the poppet in this valve is shifted and allows no flow from ports 2 to 1 and reverse flow between ports 1 and 2 is at 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 then .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.

Phase-Out

BUCHER hydraulics

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: 16.0 GPM [60 l/m] See performance chart.
INTERNAL LEAKAGE: 5 drops/min [,25 cc/m] energized @5000 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–1021 Buna "N"
SKV–1021 Viton
INSTALLATION: No restrictions.
WEIGHT: 1.90 lb [0,86 kg] cartridge with coil only.
VALVE CAVITY: #C1020, See Page 0–012.0.

Phase-Out

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www.bucherhydraulics.com/commoncavity

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