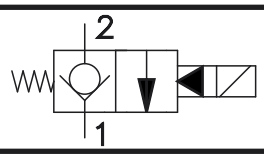
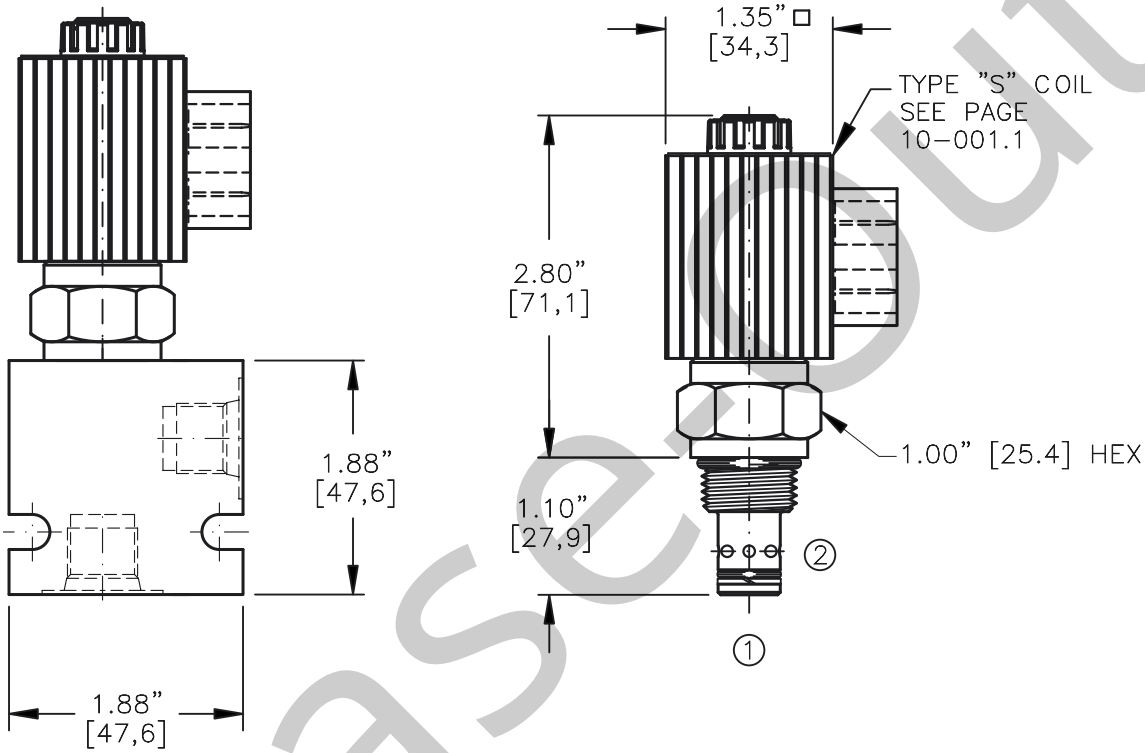
BUCHER hydraulics

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



TORQUE:
Steel = 35/40 Ft–Lb. [47/54 Nm]
Aluminum = 25/30 Ft–Lb. [34/41 Nm]



NOTES:
1. FOR ALUMINUM OR STEEL VALVE HOUSING CONFIGURATIONS SEE PAGE 0–011.1
2. SOLENOIDS AVAILABLE WITH DIODES – CONSULT FACTORY.
3. FOR "AC" COILS USE RECTIFIED DIN CONNECTOR 20828.

EMDV–08–X–C7–X–XXX X

BASIC

SIZE
08 = 3/4"–16UNF

SEALS
N = BUNA "N"
V = VITON

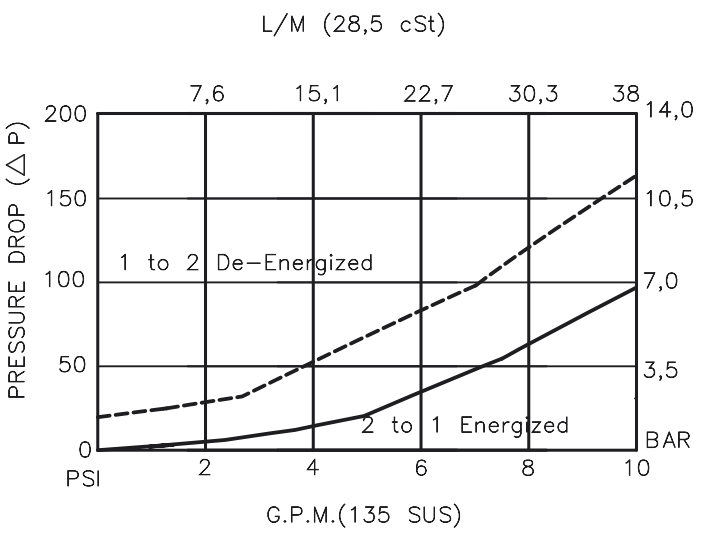
TYPE
C7=NORMALLY CLOSED POPPET
2–WAY, 2–POSITION

PORTS
0 = CARTRIDGE ONLY
02BX = G 1/4" BSPP
06TX = SAE – #6
"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	1.7
24D =	24 VDC	.9
36D =	36 VDC	.6
48D =	48 VDC	.5
115D =	115 VDC	.2



Phased Out

BUCHER hydraulics

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

DESCRIPTION

This unit is a NORMALLY CLOSED, 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 no flow from ports 2 to 1 and free flow from ports 1 to 2. When solenoid coil is energized, the poppet in this valve is shifted and allows flow from ports 2 to 1 and restricted flow from ports 1 to 2.

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.

Phase-Out

BUCHER hydraulics

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

SPECIFICATIONS

OPERATING PRESSURE: 5,000 PSI [350 Bar]
PROOF PRESSURE: 10,000 PSI [700 Bar]
FLOW: 10.0 GPM [38 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–0821 Buna "N"
SKV–0821 Viton
INSTALLATION: No restrictions.
WEIGHT: .80 lb [0,36 kg] cartridge with coil only.
VALVE CAVITY: #C0820, See Page 0–011.0.

Phase-Out

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www.bucherhydraulics.com/commoncavity

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