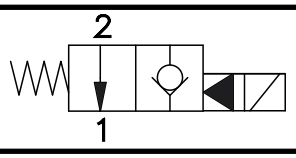
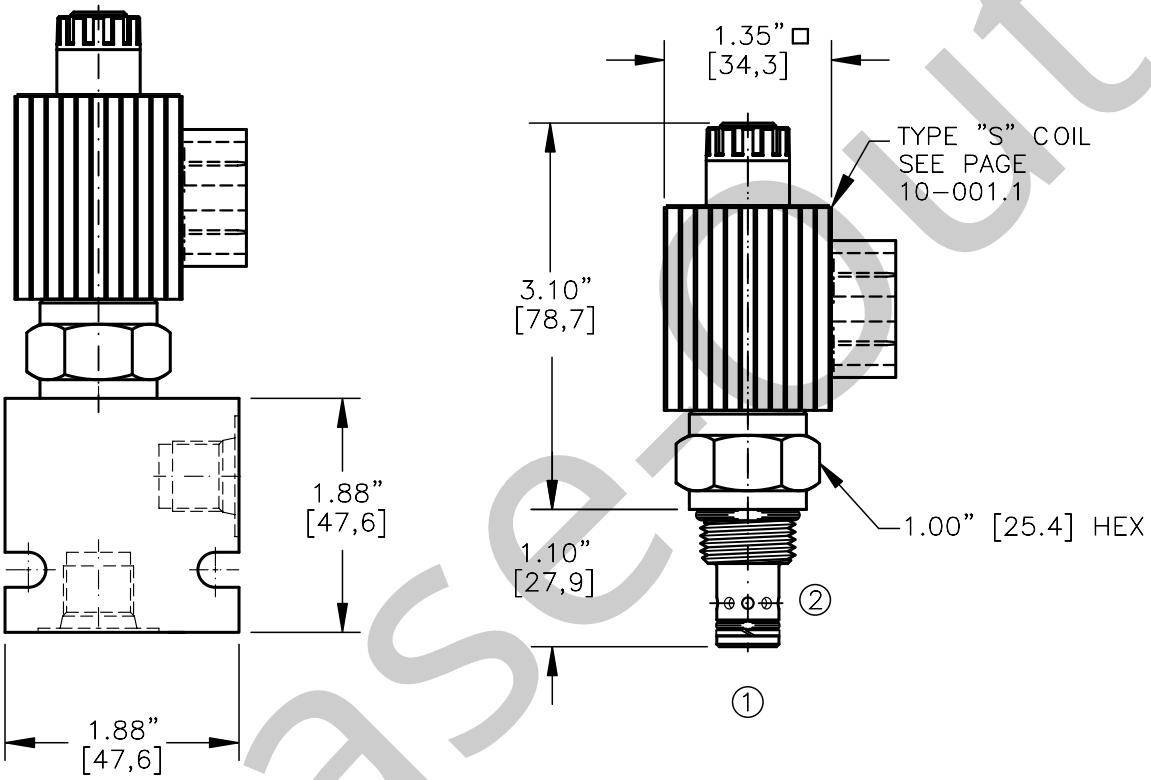
BUCHER hydraulics

SOLENOID VALVE, NORMALLY OPEN. 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–07–X–XXX X

BASIC

SIZE
08 = 3/4"–16UNF

SEALS
N = BUNA "N"
V = VITON

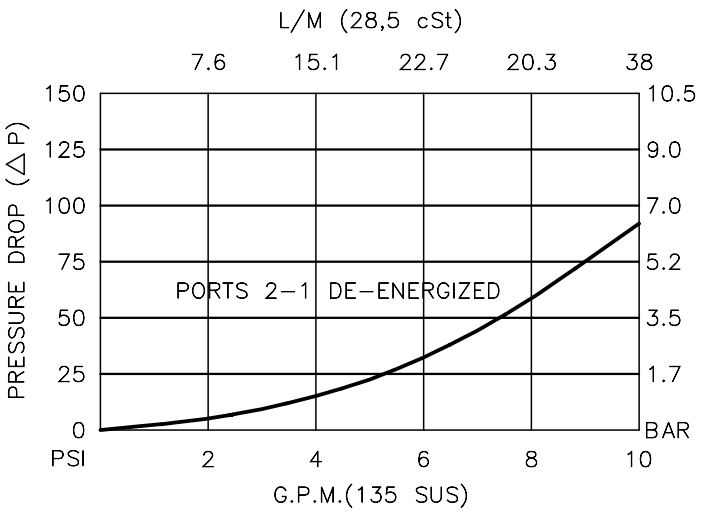
TYPE
07=NORMALLY OPEN POPPET
2–WAY, 2–POSITION

PORTS
0 = CARTRIDGE ONLY
02BX = G 1/4" BSSP
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

CARTRIDGE ONLY



Phase 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 restricts flow from ports 1 and 2. When solenoid coil is energized, the poppet in this valve is shifted to block flow from ports 2 to 1 and allow reverse flow between ports 1 and 2 at a high pressure drop.

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 constraction.
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: 10.0 GPM [38,5 l/m] See performance chart.
INTERNAL LEAKAGE: 5 drops/min [.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: .90 lb [0,41 kg] cartridge with coil only.
VALVE CAVITY: #C0820, See Page 0–011.0.

Phase-Out

info.el@bucherhydraulics.com

www.bucherhydraulics.com/commoncavity

© 2015 by Bucher Hydraulics, Inc., 2545 Northwest Parkway, Elgin, Illinois 60124, USA
All rights reserved.
The technical information in this catalog, may contain calculated figures (for reference only) and not actual performance data for this product. Data is provided for the purpose of product description only, and must not be construed as warranted characteristics in the legal sense. The information does not relieve users from the duty of conducting their own evaluations and tests. Because the products are subject to continual improvement, we reserve the right to amend the product specifications contained in this catalogue.