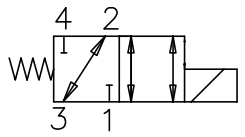
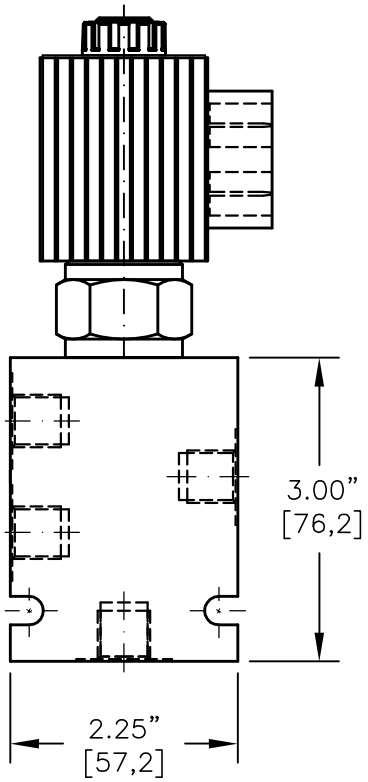
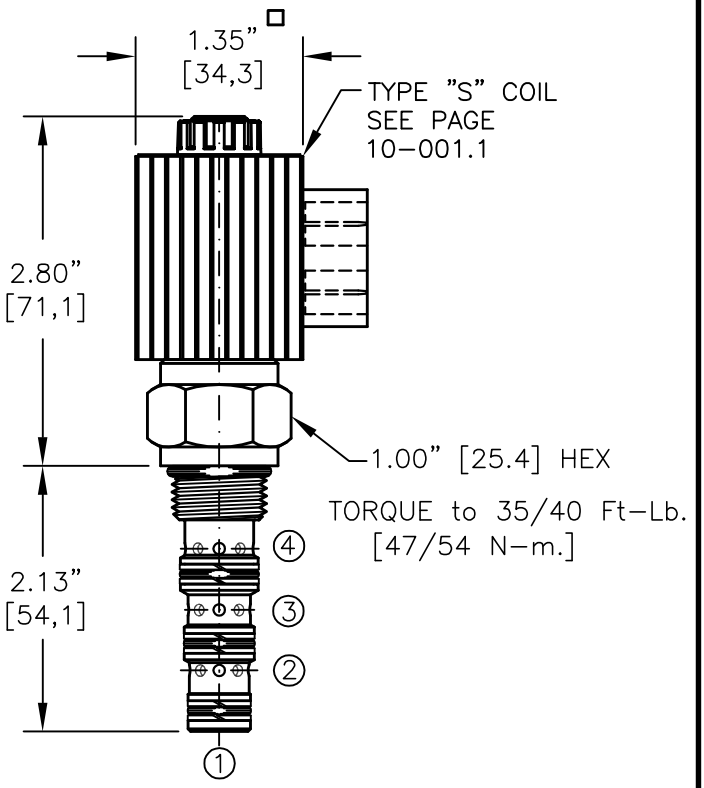
SOLENOID VALVE, 4–WAY, 2–POSITION. DIRECT ACTING, SPOOL TYPE (4/2)







NOTES:
1. FOR ALUMINUM OR STEEL VALVE HOUSING CONFIGURATIONS SEE PAGE 0–041.1
2. SOLENOIDS AVAILABLE WITH DIODES – CONSULT FACTORY.
3. FOR "AC" COILS USE RECTIFIED DIN CONNECTOR 20828.

EMDV–08–X–4M–X–XXX X

BASIC

SIZE
08 = 3/4"–16UNF

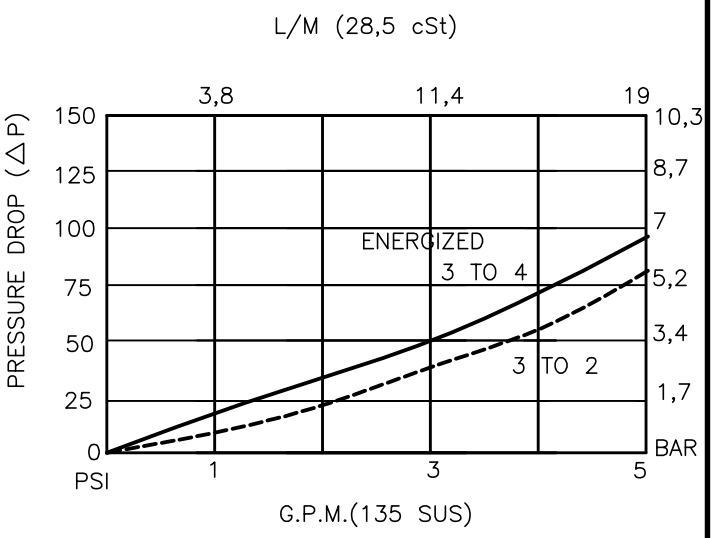
SEALS
N = BUNA "N"
V = VITON

TYPE
4M= "M" SPOOL
4–WAY, N.O. SELECTOR

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



SOLENOID VALVE 4–WAY, 2–POSITION, DIRECT ACTING, SPOOL TYPE (4/2)

DESCRIPTION

This unit is a FOUR–WAY, TWO POSITION, cartridge type, spool type, direct acting, screw in type, solenoid operated, normally open selector valve.

OPERATIONS

When solenoid coil is de–energized, this valve allows flow from port 3 to port 2 and blocks 1 & 4.
When solenoid coil is energized, the spool in this valve is shifted and allows flow from port 1 to 2, and port 3 to 4 and vice versa.

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.

SPECIFICATIONS

OPERATING PRESSURE: 5,000 PSI [350 Bar]
PROOF PRESSURE: 10,000 PSI [700 Bar]
FLOW: 5.0 GPM [19 l/m] See performance chart.
INTERNAL LEAKAGE: 5cu.in/min [82 cc/m] @ 5,000 PSI (350 Bar)
VALVE HOUSINGS: 2500 PSI [175 Bar] = Aluminum – Anodized.
5000 PSI [350 Bar] = Steel – Unplated.
OPERATING TEMPERATURE: –40° to +250° F. [–40° to +120° 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–0842 Buna "N"
SKV–0842 Viton
WEIGHT: .98 lb [.44 kg] cartridge with coil only.
VALVE CAVITY: #C0840, See Page 0–041.0.