BUCHER EMDV-12-4D hydraulics 2 SOLENOID VALVE, 4-WAY, 2-POSITION. **4**| ΞA WW DIRECT ACTING, SPOOL TYPE (4/2) 3 1 1.78" **D** haninad [45,2] MANUAL OVERRIDE TYPE "L" COIL SEE PAGE 10-001.2 ET. === L== 3.67" [93,2] -1.31" [33,3] HEX. _ _ _| ୦୦୭ 4 4.75" [120,6] 3.55" 71 [90,2] 3 000 2 0 0 0(1)3.50" [88,9] TORQUE: Steel = 70/75 Ft-Lb. [95/102 Nm] Aluminum = 55/60 Ft-Lb. [74/81 Nm] L/M (28,5 cSt) EMDV-12-X-4D-X-XXX X 7,6 15 22,7 30,3 38 45,4 53 120 BASIC _ L =18GA. 24" LEADS T = SPADE TERM. SIZE -12 = 1.062" - 12UNF<u>ه</u> 90 B = BOLT TERM.G = DIN43650 6,2 2 10 1 \triangleleft SEALS -W = WEATHER-PACK ENERGIZED N = BUNA "N" D =DEUTSCH-DT04-2P DROP V = VITON M = METRI-PACK CONN. 60 4,1 TYPE 4D= "D" SPOOL 3 1 PRESSURE NERGIZED VOLTAGE AMPS 12D = 12 VDC 3.00 24D = 24 VDC 1.50 4-WAY, 2-POSITION 3.00 1.50 PORTS -30 2,1 36D = 36 VDC 1.00 3 TO 4 0 = CARTRIDGE ONLY48D = 48 VDC 0.75 ENERGIZED 04BX= G 1/2" BSPP 06BX= G 3/4" BSPP 10TX = SAE - #10 12TX = SAE - #12 """ 110D = 110 VDC 0.33 115A = 115 VAC 0.32 PSI BAR 230A = 230 VAC 0.16 0 2 4 6 8 10 12 14 16 "A" = "ALUM. HOUSING "S" = STEEL HOUSING G.P.M.(135 SUS)



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, directional control valve.

OPERATIONS

When solenoid coil is de-energized, this valve allows flow between ports 1 and 3, no flow to ports 2 and 4. When solenoid coil is energized, the spool in this valve is shifted and allows flow between ports 1 and 2, ports 3 and 4. 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 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. EMDV-12-4D



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

SPECIFICATIONS

OPERATING PRESSURE: 5,000 PSI [350 Bar] PROOF PRESSURE: 10,000 PSI [700 Bar] FLOW:16.0 GPM [60 I/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.OIL TEMPERATURE: -40° to $+175^{\circ}$ F. $[-40^{\circ}$ to $+80^{\circ}$ C.] AMBIENT TEMPERATURE: -40° to $+122^{\circ}$ F. $[-40^{\circ}$ to $+50^{\circ}$ C.] Please consult factory for continuously energized or high ambient temperature application $(>122^{\circ} F [50^{\circ}C])$ OPERATING MEĎIA: 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-1242 Buna "N" SKV-1242 Viton INSTALLATION: No restrictions. WEIGHT: 2.13 Ib [.97 kg] cartridge with coil only. VALVE CAVITY: #C1240, See Page 0-043.0.

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