NORMALLY OPEN SOLENOID VENTED RELIEF VALVE, PILOT OPERATED, SPOOL TYPE (2/2)

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 CONTINUOUS ENERGIZED OR HIGH AMBIENT TEMPERATURE (>120°F) APPLICATION CONSULT FACTORY
FOR FURTHER DETAILS

TERMINALS
L = 18GA, 24" LEADS
T = SPADE TERM.
B = BOLT TERM.
G = DIN43650
W = WEATHER-PACK
D = DEUTSCH-DT04-2P
M = METRI-PACK CONN.

REGULATED PRESSURE
10 = 1000 PSI
15 = 1500 PSI
20 = 2000 PSI
25 = 2500 PSI
30 = 3000 PSI
35 = 3500 PSI
* FOR CUSTOM SETTINGS

PORTS
0 = CARTRIDGE ONLY
28X = G 1/4" BSPP
38X = G 3/8" BSPP

SETTINGS
087X = SAE - #6

CONTRACT
“L” = ALUM. HOUSING
“S” = STEEL HOUSING

PRESSURE DROP (ΔP)

L/M (28,5 cSt)

G.P.M.(135 SUS)

TORQUE:
Steel = 55/60 Ft-Lb. [74/81 Nm]
Aluminum = 35/40 Ft-Lb. [47/54 Nm]
**DESCRIPTION**

This unit is a NORMALLY OPEN, TWO POSITION, cartridge type, spool type, pilot operated, screw in type, solenoid operated, hydraulic relief valve.

**OPERATIONS**

When the solenoid coil is de-energized, this valve allows flow from port 1 to port 2 (tank). When the solenoid coil is energized this valve blocks flow from port 1 to port 2. When the solenoid coil is energized and the pressure at port 1 exceeds the relief pressure setting, this valve will open and allow flow from port 1 to port 2.

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. Pressure in tank port (2) will add to the bias spring setting, and is limited to 2000 PSI. Hardened precision fitted spool & sleeve provides reliable, long life. A unique self aligning (floating) cage provides very low hysteresis and reliable operation. 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:** 5000 PSI [350 Bar]

**PROOF PRESSURE:** 10,000 PSI [700 Bar]

**FLOW:** 26.0 GPM [100 L/M] nominal. See performance chart.

**INTERNAL LEAKAGE:** 5 cu.in/min [85 cc/m] @ 95% of crack pressure.

**INTERNAL PILOT FLOW:** 60 cu.in/min [1,0 l/m] @ 3000 PSI [210 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.

**SEAL KIT:** SKN-1022 Buna “N” SKV-1022 Viton

**INSTALLATION:** No restrictions.

**WEIGHT:** 1.90 lb [0.86 kg] cartridge with coil only.

**VALVE CAVITY:** #C1020, See Page 0-012.0.

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