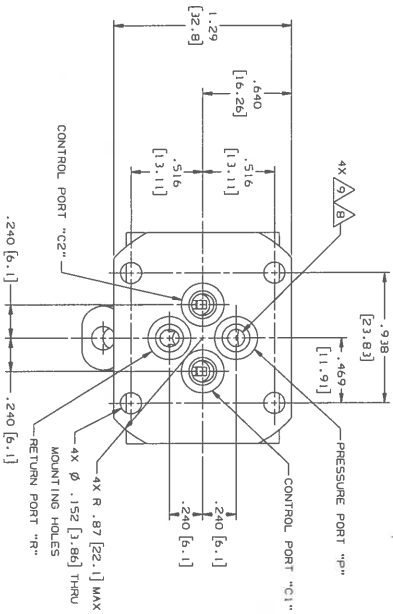
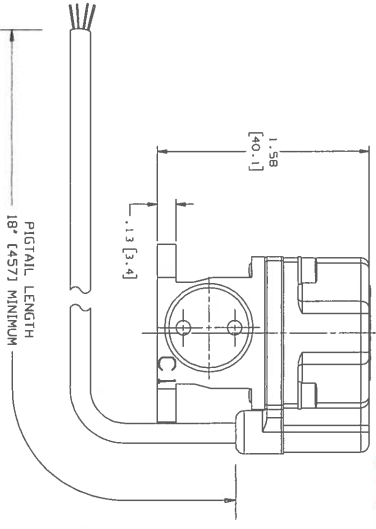
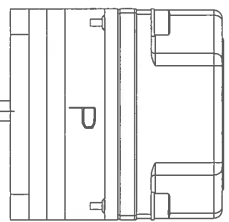
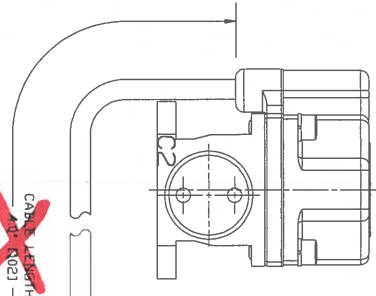
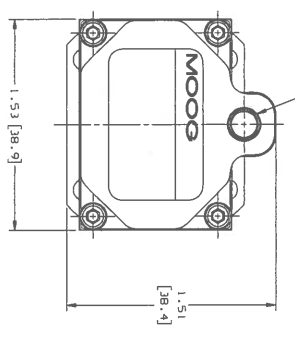


NOTES:

1. FLUID: PETROLEUM BASE, OR SELECTED PHOSPHATE ESTER FLUID, 60 TO 450 SSU AT 100°F (110 TO 97 CENTISTOKES AT 38°C).
2. FLUID CLEANLINESS LEVEL: PER NAS 1638 CLASS B.
3. OPERATING TEMPERATURE RANGE: -20°F TO +275°F (-28°C TO +135°C).
4. MAXIMUM OPERATING PRESSURE: 4000 PSI (275 BAR).
5. POLARITY OPERATION: FLOW OUT CONTROL PORT "C2" WHEN:
 - SERIES: RED & YELLOW TIED, GREEN * BLUE
 - PARALLEL: GREEN & YELLOW TIED, RED & BLUE TIED
 - SINGLE: GREEN * RED OR YELLOW * BLUE
6. CABLE EXIT OVER ~~CONTROL PORT "C2"~~ RETURN PORT "R".
7. DIMENSIONS WITHOUT TOLERANCE ARE FOR REFERENCE ONLY.
8. PORTS P, R, C1, C2:
 - Ø .310 (7.87) O.D. X Ø .200 (5.08) I.D. ± .030 (0.76)
9. FOUR PORT O-RINGS:
 - .229 (5.82) I.D. X .040 (1.02) CROSS SECTION
10. SURFACE TO WHICH VALVE IS MOUNTED REQUIRES $\frac{Z}{\sqrt{V}}$ [0.001 (0.025)].
11. SUGGESTED MOUNTING SCREWS: #6-32 X .375 LONG SOCKET HEAD CAP SCREWS.
12. ~~LOW VOLTAGE OPERATION FOR 2 PIN CONNECTOR:~~
13. ~~CONTROL PORT "C2" WHEN:~~
14. ~~CONTROL PORT "C2" WHEN:~~
15. ~~CONTROL PORT "C2" WHEN:~~
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98. ~~CONTROL PORT "C2" WHEN:~~
99. ~~CONTROL PORT "C2" WHEN:~~
100. ~~CONTROL PORT "C2" WHEN:~~



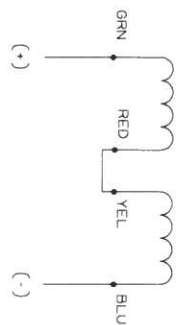
SECTION A-A
SCALE: 4/1

MOOG
INSTALLATION,
-030 SERIES, STANDARD
E94697
CC21138
1 OF 2

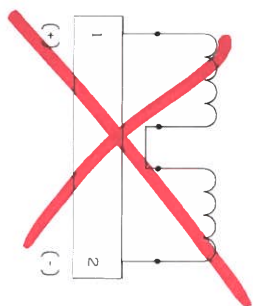
Configuration:
• 4 wide pig tail, 18 inches
Exits over Return.
• CAN BE WIRED IN ONE OF
THREE METHODS:
- SERIES (± 20mA)
- PARALLEL (± 40mA)
- SINGLE COIL (± 40mA)
• WIRE GAUGE: 24AWG

SERIES CONNECTION:

$\pm 20\text{mA}$ For Full Flow. Resistance total is 160 OHMS

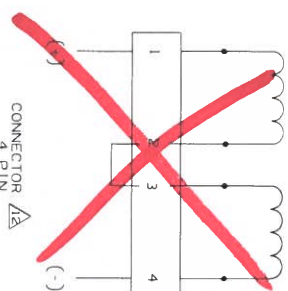


OR



~~COILS ARE INTERNALLY CONNECTED IN SERIES~~

CONNECTOR 2 PIN



~~COILS SHOULD BE EXTERNALLY CONNECTED BY CUSTOMER IN SERIES AS SHOWN~~

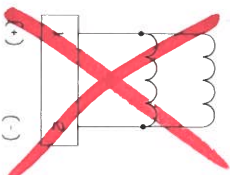
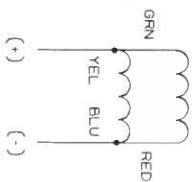
CONNECTOR 4 PIN

Polarity: + -

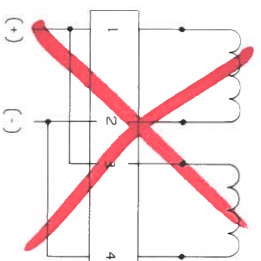
For Flow OUT C2.

PARALLEL CONNECTION:

$\pm 40\text{mA}$ For Full Flow. Resistance total is 40 OHMS
Provides Redundant coil wiring in case one coil is defective.



~~COILS ARE INTERNALLY CONNECTED IN PARALLEL~~



~~COILS SHOULD BE EXTERNALLY CONNECTED BY CUSTOMER IN PARALLEL AS SHOWN~~

CONNECTOR 4 PIN

Polarity: + -

For Flow OUT C2.

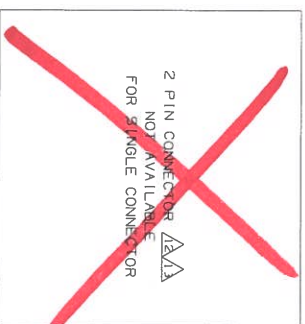
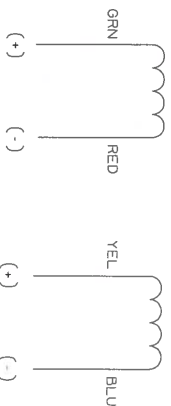
PIGTAIL

CONNECTOR 2 PIN

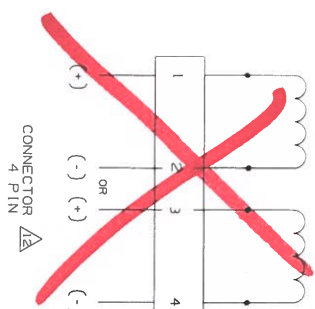
CONNECTOR 4 PIN

SINGLE CONNECTOR:

$\pm 40\text{mA}$ For Full Flow, Resistance total is 80 OHMS (1 coil)
Uses only one coil. GEN/RED OR Yellow Blue.



~~2 PIN CONNECTOR NOT AVAILABLE FOR SINGLE CONNECTOR~~



CONNECTOR 4 PIN

~~EITHER COIL PAIR 1, 2 OR 3, 4 CAN BE CONNECTED BY CUSTOMER~~

Polarity: + -
For Flow OUT C2.

PIGTAIL