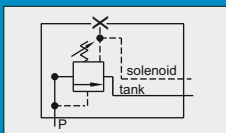
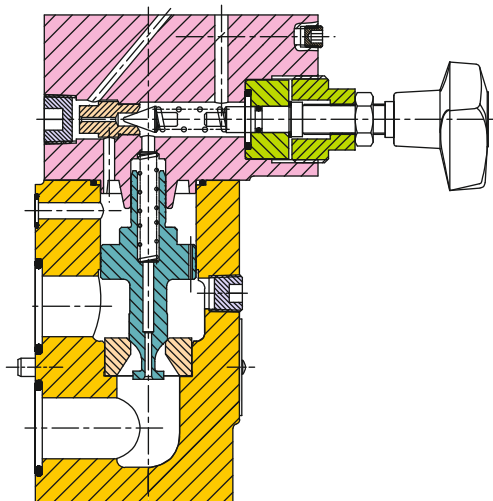


SOLENOID CONTROL PILOT OPERATED RELIEF VALVES (GASKET CONNECTION)



SERIES - PCV11



Basic Characteristics

Operating Pressure (maximum) - 210 bar (3000 psi)

Rated Capacity (maximum) - **PCV11-06** = 95 L/min.
PCV11-10 = 245 L/min.

Approx. Weights

PCV11-06 = 7.5 kg
PCV11-10 = 12.5 kg

General Description

All valves are of Microtact Balanced Piston Type construction. These valves are generally used for applications requiring a electricity controlled adjustable Pressure Relief or Regulating Valve to limit the pressure in an oil circuit to the desired maximum.

Pressure adjustment

Select pressure range so that excessively high working pressure will not be imposed upon pump or other equipment. Adjustment of pressure is accomplished by loosening jam nut and turning adjustment screws. Clock wise rotation increases pressure and counterclockwise rotation decreases pressure.

Installation Data

Tank Connection : The tank connection should be piped directly to tank to minimize back pressure. Any back pressure in the tank line is additive to the valve pressure setting. If tank line back pressure exceeds system pressure by 7.0 bar (100 psi) a malfunction may occur. Transient pressure peaks in the tank line must not exceed 155 bar (2250 psi).

Note : Surges of oil in a common tank line serving these and other valves can be of sufficient magnitude to cause inadvertent shifting of the pilot spool of the valves. Separate tank lines or a vented manifold with a continuous downward path to tank is necessary.

ORDERING INFORMATION

PCV 11 - * - G - * * - * - * - M - * - * - 40 - IN

1 2 3 4 5 6 7 8 9 10 11 12

1. Model Code - PCV

2. Model Series - 11

3. Nominal Valve Size -

- 06 - 3/4" Pipe or 1.0625 SAE ST-THD
- 10 - 1-1/4" Pipe or 1.6250 SAE ST-THD

4. Connection Type -
G = Gasket Connection

5. Pilot Spool Function -
0, 1, 2 - indicates venting condition

6. Pilot Spool Spring Arrangement -
A - Spring Offset
C - Spring Centered
F - Energize to center

7. Pressure Range -

- YD = 125 - 1000 psi
- DI = 500 - 2000 psi
- RD = 1500 - 3000 psi

8. High Vent Spring -
V = Optional High Vent Spring Installed
(Omit if not required)

9. M - Flag Symbol

10. Connector -
C0 - without plugin connector
C1 - with plugin connector
C2 - with plugin connector & light indicator

11. Voltage - Coil Identification -
A 115 - AC Coil
A 230 - AC Coil
D 24 - DC Coil

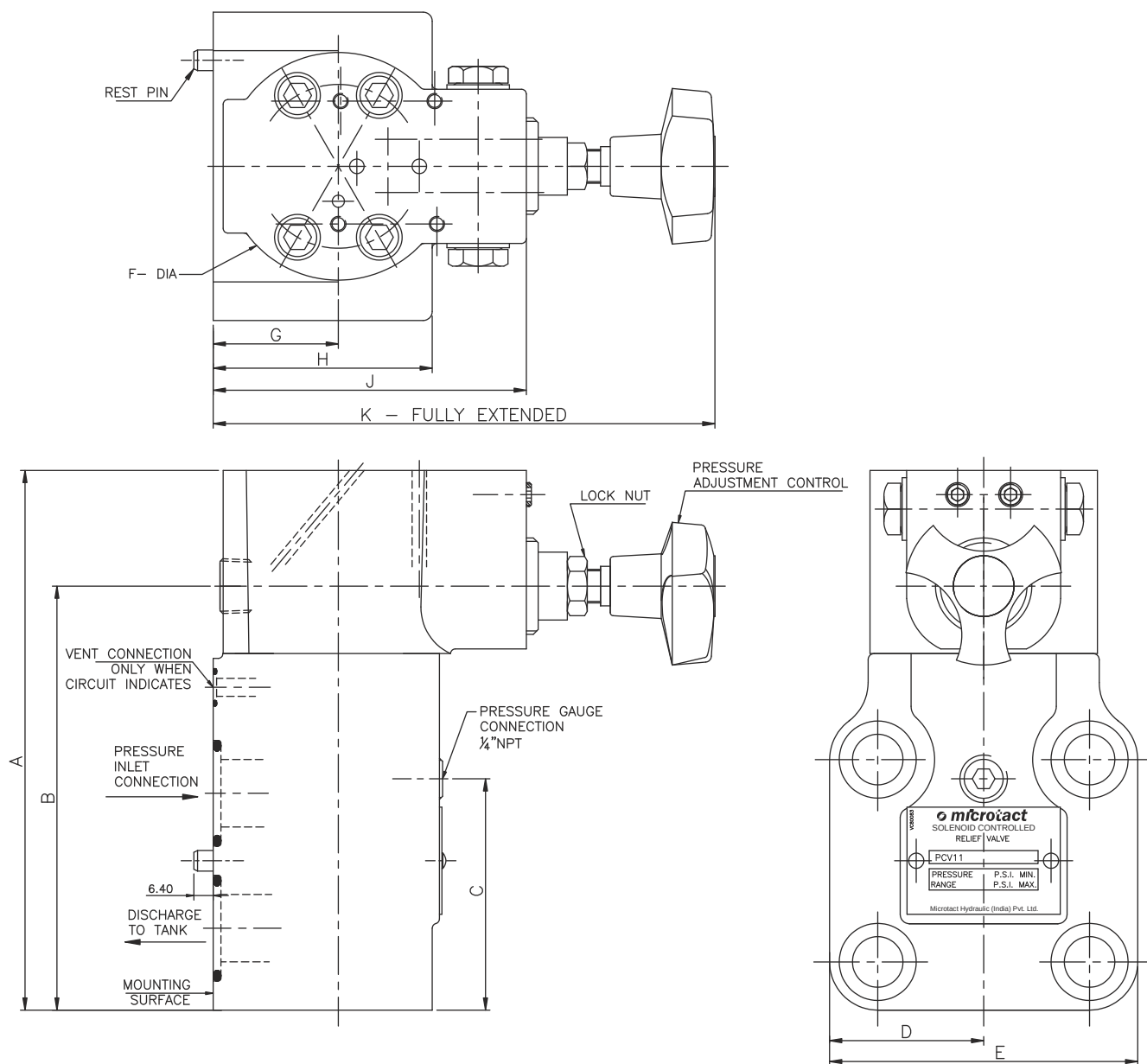
12. Design No - 40-IN (Subject to change)

Note:- Required Order as per Directional Control Valve (DCV1) order separately.

Typical Model Code :- **PCV11-06-G-0A-YD-V-M-CO-A115-40-IN**
PCV11-10-G-0A-YD-V-M-CO-A115-40-IN

SOLENOID CONTROLLED PILOT OPERATED RELIEF VALVES (GASKET CONNECTION)

PCV11



ALL DIMENSIONS ARE IN mm.

Model Series	A	B	C	D	E	F	G	H	J	K	L	M	N
PCV11-06	178	140	76	51	102	76	41	73	103	175	17	25	16
PCV11-10	209	179	95	60	121	95	51	91	113	185	20	29	19