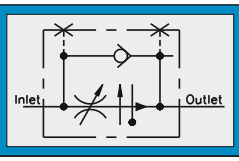
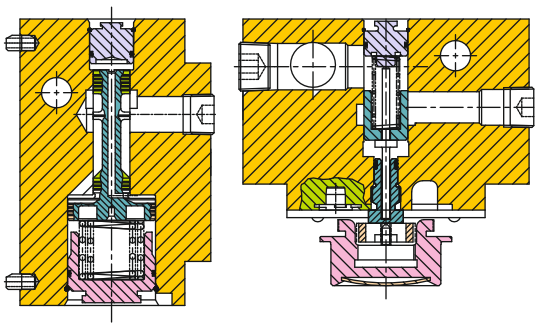


SERIES - FC3



Basic Characteristics

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

Nominal Reverse Free Flow Pressure Drop - 65 psi

Rated Capacity (maximum) - 106 L/min

Seal Kit - VC90038

Mounting Subplate - VC20099

Approx. Weights

FC3 - 03 = 8.1 kg

General Description

These valves provide precise adjustable control of flow rates in Hydraulic circuits. They are pressure and temperature compensated to minimize flow variation due to changes in fluid pressure and temperature, they can be used in meter-in, meter-out and bleed off circuits.

APPLICATION GUIDANCE FLOW ADJUSTMENT

Adjust flow rate by rotation dial, a lettered (A thru E) indicator marks approximately four revolutions from a full closed to fully open condition.

Maximum throttle opening may be limited by addition of spacers to the throttle shaft under the selector dial. Spacers are available from Microtact for installation by the user.

Number of Spacers	Percent of Maximum Flow
3	15 to 20
2	35 to 45
1	65 to 75

Minimum Metered Flow Rates

Operating Pressure (psi)	Approx. Minimum Flow (Cu.in/Min)
500	5
1000	10
1500	15
2000	20
2500	25
3000	30

Note: Minimum Pressure difference between Inlet and Outlet Ports should be 150 psi for consistent satisfactory regulations of flow.

ORDERING INFORMATION

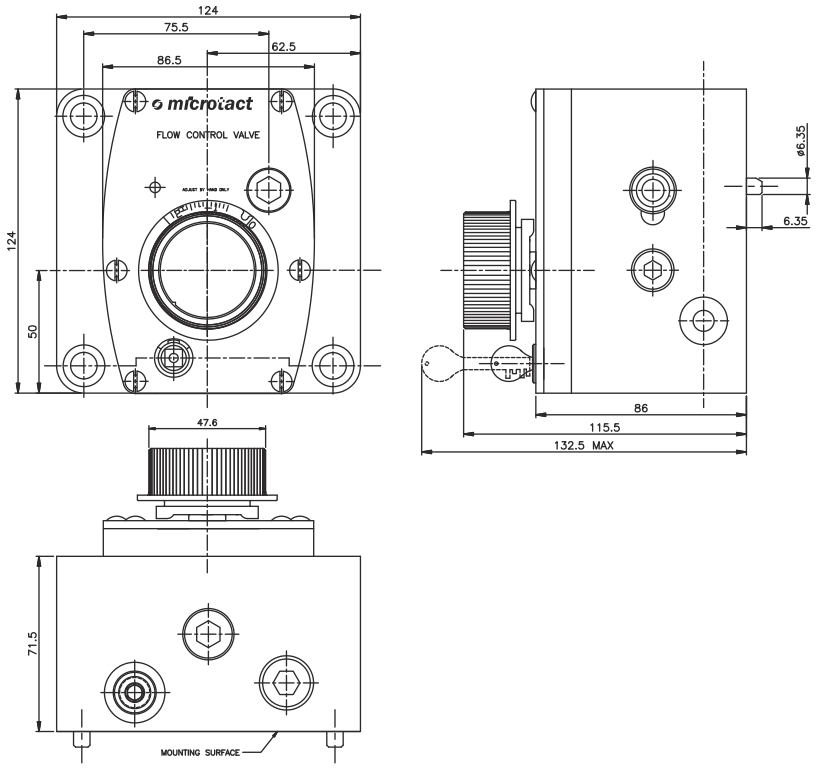
FC 3 - 03 - G - 28 - 22

1 2 3 4 5 6

1. Model Code - FC
2. Model Series - 3
3. Nominal Valve Size - • 03 - 3/8”
4. Connection Type - G = Gasket Connection

5. Flow Capacity - • 28 - 28 GPM (Max) (106 L/min)
6. Design No – 22 (Subject to change)

Typical Model Code :- **FC3-03-G-28-22**



PRESSURE DROP INFORMATION

1. The figures in the pressure drop chart give approximate pressure drops (△P) when passing flow of 100 SSU fluids (s) having 0.865 specific gravity.

2. For any other viscosity (s) the pressure drops (△P) will changes as follows :

Other viscosity (s)	75	150	200	250	300	350	400
% of (△P) from table (approximate)	93	111	119	126	132	137	141

3. For any other specific gravity (G_1) the pressure drop ($\triangle P_1$) will be approximately:
   $\triangle P_1 = \triangle P\ (G_1/G)$
   Specific gravity of fluid may be obtained from its producer, For fire resistant fluids the value is higher than for oil.

VALVE LOCKING

Locking screw prevents selected flow rate setting from being inadvertently changed.