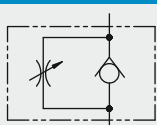
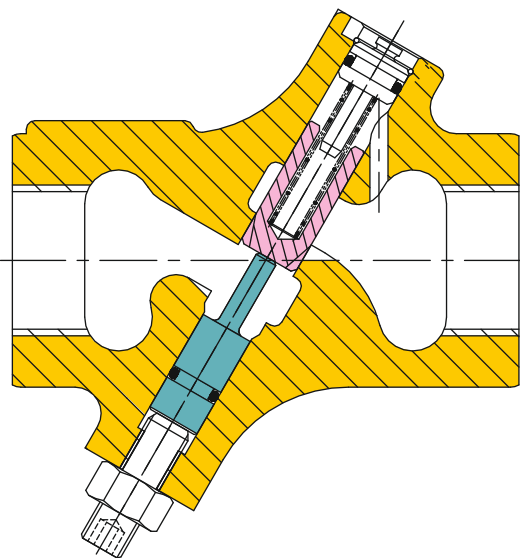


NON-COMPENSATED FLOW REGULATOR WITH REVERSE FREE FLOW (THREADED CONNECTION)



SERIES - FC4



Basic Characteristics

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

Rated Capacity -

FC4 - 03/06 = 38 L/min

FC4 - 10 = 190 L/min

Approx. Weights

FC4 - 03 = 0.6 kg

FC4 - 06 = 1.0 kg

FC4 - 10/20 = 3.0 kg

General Description

These regulators are ideally suited for a great number of applications requiring flow regulation without pressure compensation. Applications where the relatively constant nature of the load minimize the need for pressure compensation. It is not intended as a shutoff valve. To obtain the accurate control required for machine tool feeds and similar applications, pressure and temperature compensation is essential. In such cases, consult your nearest Microtact representative.

Filtration

25 micron or finer

Fluids and seals

Petroleum oil, water glycols and water - in - oil emulsions can be used with standard seals.

Minimum controlled flow
(for all valves)

Pressure differential psi	Minimum flow (approx) cc/min
500	410
1000	820
2000	1640
3000	2460

Pressure drop for free flow (approx)
FC4-03 and FC4-06

Flow LPM	Pressure drop kg/cm ²
15	1.4
30	2.1
45	2.8
60	3.9
75	4.9

FC4-10

Flow LPM	Pressure drop kg/cm ²
38	0.4
75	1.1
113	2.5
150	4.2
188	7.0
225	10.5
263	14.1
300	17.6
338	22.9
375	28.8

ORDERING INFORMATION

FC **4** - ***** - *****
 1 2 3 4

1. Model Code - FC

2. Model Series - 4

3. Nominal Valve Size -

- 03 - 3/8" BSP
- 06 - 3/4" BSP
- 10 - 1-1/4" BSP
- 20S - 10-1-5/8" SAE ST. Thd

4. Design No -

For 03/06 = 20

For 10 = 10

For 10 = 11 (Use NPT Thd.)

For 20S-10=11 (Subject to change)

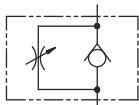
Typical Model Code :- **FC4-03-20**

FC4-06-20

FC4-10-10

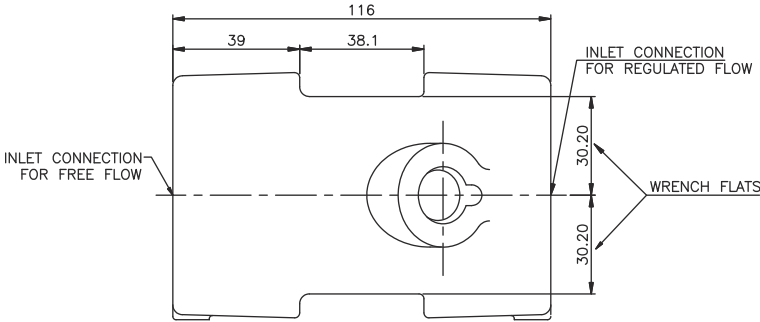
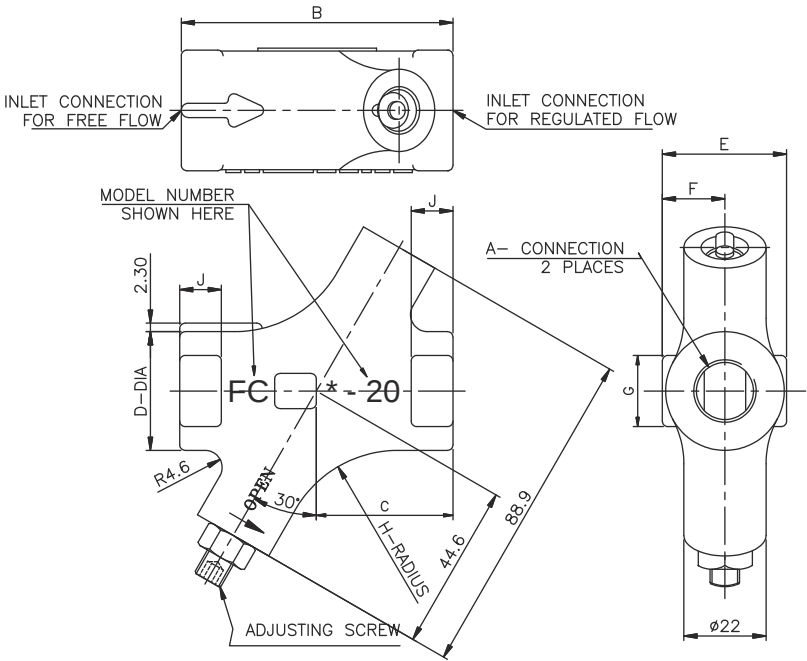
FC4-20S-10-11

GRAPHICAL SYMBOL



ALL DIMENSIONS ARE IN mm.

Model Series	A-CONNECTION	B	C	D	E	F	G	H	J
FC4-03-20	3/8" BSP	73.2	36.6	31.8	33.3	16.5	19.1	31.8	11.2
FC4-06-20	1-1/4" BSP	88.9	44.5	44.5	47.8	23.88	31.75	25.4	15.8



Model Series	A-CONNECTION
FC4-10-10	1-1/4" BSP
FC4-10-11	1-1/4" NPT
FC4-20S-10-10	1-5/8" 12SAE

