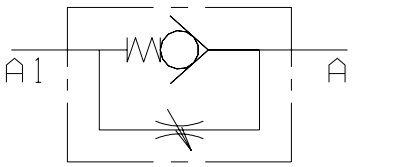
# QFMU... QFMB... IN LINE MOUNTING

## FLOW CONTROL COUPLING VALVES

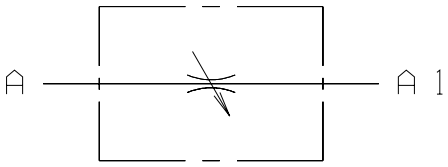
QFMU... / QFMB...

One-way adjustable flow regulating type QFMU.. allow free flow in one direction by means of a check valve while controlling it in the opposite direction. Two-way flow regulation valves type QFMB allow instead flow regulation in both direction. Their operation depends on the fluid pressure and viscosity. Flow regulation is obtained by turning a knurled knob, which permits control of the flow rate via a graduated scale from which it can be read. The special needle configuration allows an a easy and precise control. The body of these valves is zincked yellow steel made, while the internal components are manufactured in heat-treated steel. Their particular construction permits both panel and in-line mounting.

| | |
|---|---|
| Max. operating pressure | 350 bar |
| Opening pressure standard | 0,5 bar |
| Max. flow | 85 l/min |
| Hydraulic fluids | Mineral oils DIN 51524 |
| Fluid viscosity | 2.8 ÷ 380 mm²/s |
| Fluid temperature | -20°C ÷ 70°C |
| Max. contamination level | class 10 in accordance with NAS 1638 with filter $ß_{25}≥75$ |
| Weight | See table below |




QFMU

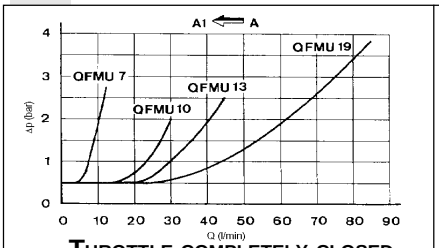



QFMB

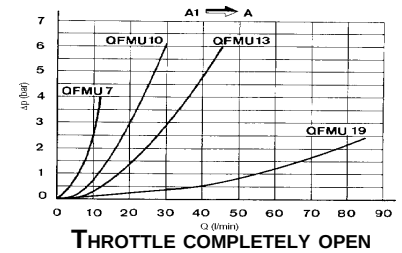
### ORDERING CODE

| | |
|---|---|
| **QFM** | Flow control valve |
| * | **U** = One-way valve<br>**B** = Two-way valve |
| ** | Size<br>**07**<br>**10**<br>**13**<br>**19** |
| **1** | Opening pressure<br>0.5 bar (standard)<br>(for QFMU version only,<br>omit for QFMB version) |
| **00** | No variant |
| **1** | Serial No. |

### PRESSURE DROPS - FLOW

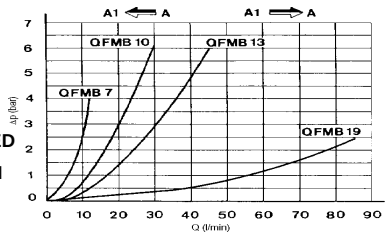



THROTTLE COMPLETELY CLOSED



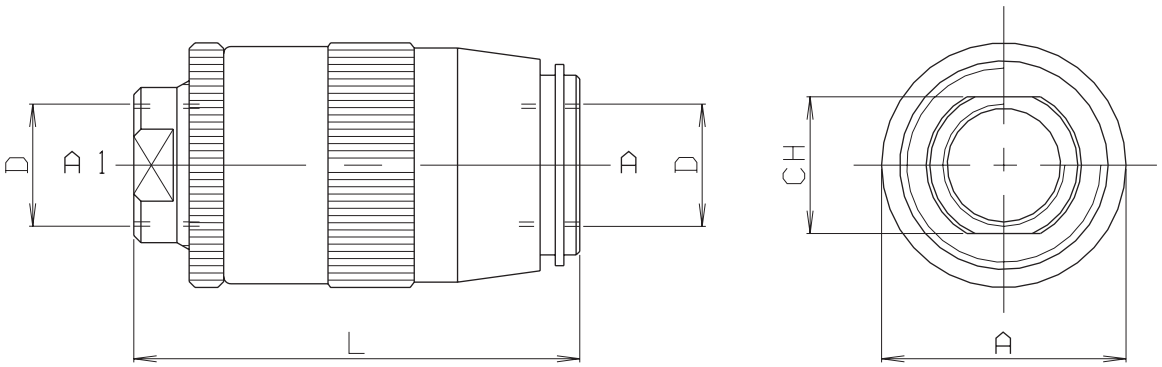

THROTTLE COMPLETELY OPEN

**A1 → A THROTTLE COMPLETELY CLOSED**
**A → A1 THROTTLE COMPLETELY OPEN**




Test carried out with mineral based oil with a viscosity of 24 mm²/s at 50°C

### OVERALL DIMENSIONS




| Valve type | Valve type | Max flow (l/min) | Max. pressure (bar) | L | A | D | CH | Weight (Kg) |
|---|---|---|---|---|---|---|---|---|
| QFMU07 | QFMB07 | 12 | 350 | 62 | 34 | 1/4"BSP | 19 | 0.27 |
| QFMU10 | QFMB10 | 30 | 350 | 72 | 40 | 3/8"BSP | 24 | 0.43 |
| QFMU13 | QFMB13 | 45 | 310 | 80 | 46 | 1/2"BSP | 30 | 0.63 |
| QFMU19 | QFMB19 | 85 | 280 | 100 | 54 | 3/4"BSP | 36 | 1.05 |