

AM7QF...

AM7QF... MODULAR FLOW REGULATOR CETOP 7



AM7QF type one way non-compensated throttle valve.
Adjustment is obtained by means of a grub screw. They are available in the three regulating configurations shown in the hydraulic diagrams.

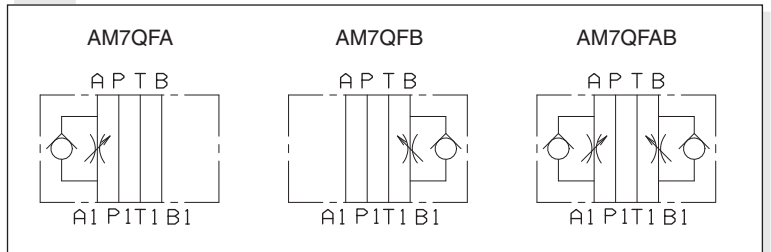
All configurations have a built in check valve that allows reserve free flow.

Max. operating pressure	350 bar
Flow rate regulation	on 10 screw turns
Max. flow	250 l/min
Hydraulic fluids	Mineral oils DIN 51524
Fluid viscosity	10 ÷ 500 mm ² /s
Fluid temperature	-20°C ÷ 80°C
Ambient temperature	-20°C ÷ 50°C
Max. contamination level	class 10 in accordance with NAS 1638 with filter $\beta_{25} \geq 75$
Weight AM.7.QF for A or B versions	7,35 Kg
Weight AM.7.QF for AB version	7,7 Kg

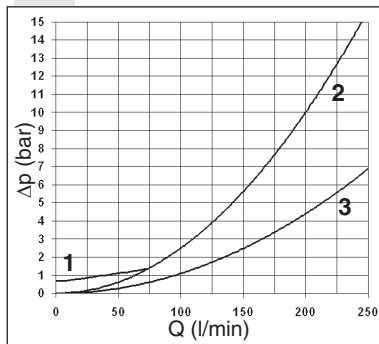
ORDERING CODE

AM	Modular valve
7	CETOP 7/NG16
QF	Non compensated throttle valve
**	Control on lines A / AB / B
*	Type of adjustment M = Plastic knob C = Grub screw
**	00 = No variant V1 = Viton
1	Serial No.

HYDRAULIC SYMBOLS

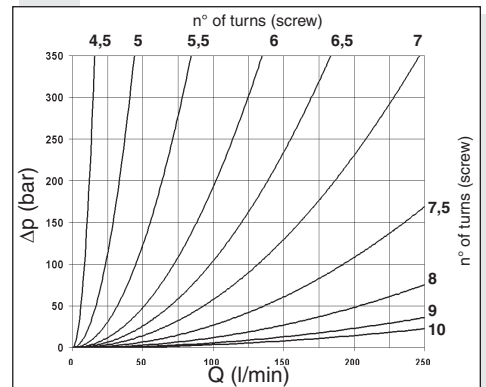


PRESSURE DROPS $\Delta P-Q$



Curve 1 = Regulator closed A→A1 / B→B1
Curve 2 = Regulator open A→A1 / B→B1
Curve 3 = Without regulator A→A1 (AM.7.QFB)
 B→B1 (AM.7.QFA)

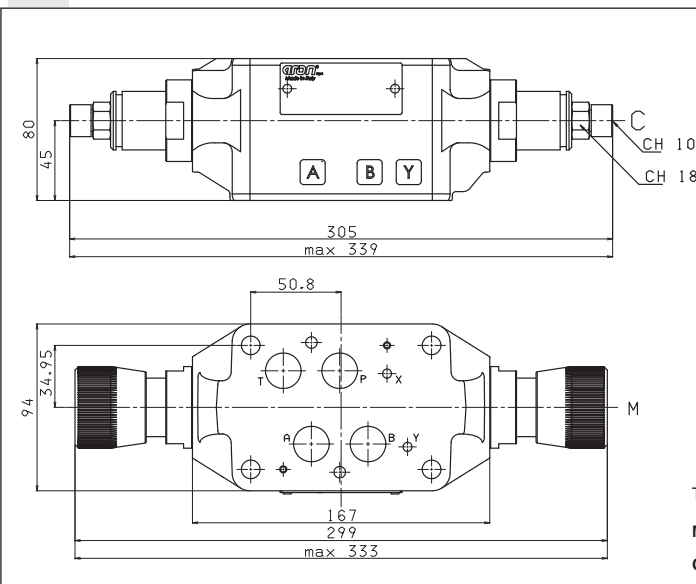
REGULATED FLOW RATE



Regulated flow rate depending on No. of turns: from 4,5 to 10 turns (unscrewing).

The fluid used is a mineral oil with a viscosity of 46 mm²/s at 40°C. The tests have been carried out a fluid temperature of 50°C.

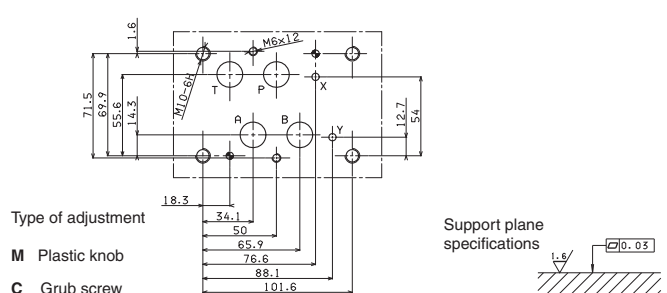
OVERALL DIMENSIONS



• Valve fixing:
 n° 4 screws T.C.E.I. M10 - Tightening torque 40 Nm
 n° 2 screws T.C.E.I. M6 - Tightening torque 8 Nm
 The longer of the screws depends on the type of assembly used. Fixing screws UNI 5931 with material specifications 12.9.

• Seals:
 n° 4 pieces OR 2-118/90SH PARKER (type 130)
 n° 2 pieces OR 2-013/90SH PARKER (type 2043)

CETOP 7 (4.2-4-07) MOUNTING SURFACE



Type of adjustment
M Plastic knob
C Grub screw

Support plane specifications

