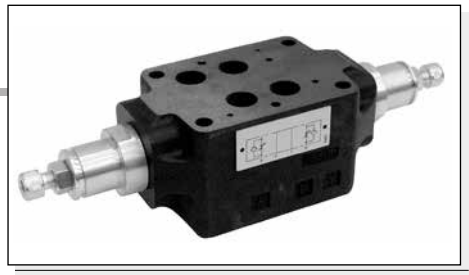
AM7QF... MODULAR
FLOW REGULATOR CETOP 7



AM7QF...

AM7QFtypeonewaynon-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.

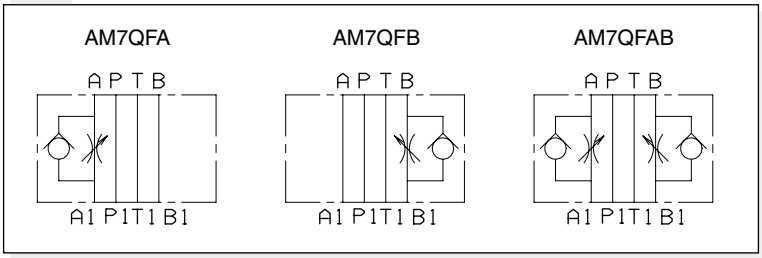
Max. operating pressure	350 bar
Flow rate regulation	on 10 screw turns
Max. flow	250 l/min
Hydraulic fluids	Mineral oils DIN 51524
Fluid viscosity	10 ÷ 500 mm²/s
Fluid temperature	-20°C ÷ 80°C
Ambient temperature	-20°C ÷ 50°C
Max. contamination level	class 10 in accordance with NAS 1638 with filter $ß_{25}$≥75
Weight AM7QF for A or B versions	7,35 Kg
Weight AM7QF for AB version	7,7 Kg

4

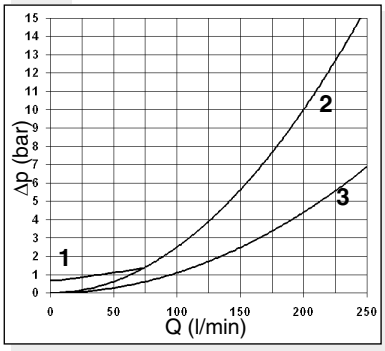
ORDERING CODE

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



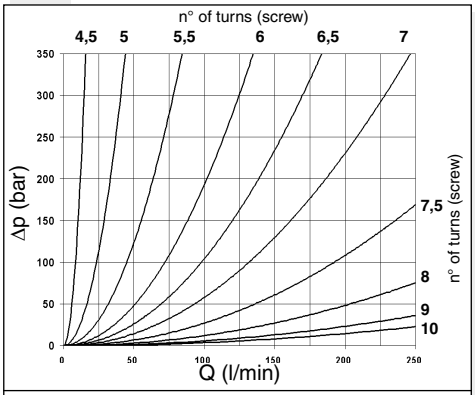
PRESSURE DROPS ΔP-Q



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.

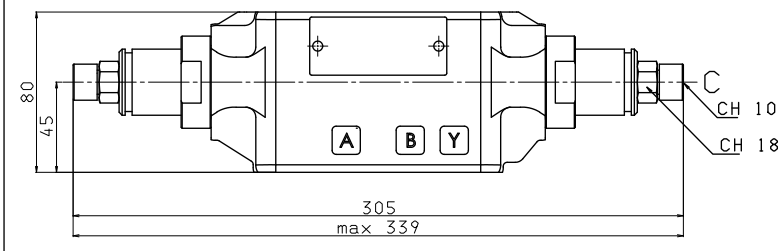
Curve 1 = Regulator closed A→A1 / B→B1
Curve 2 = Regulator open A→A1 / B→B1
Curve 3 = Without regulator A→A1 (AM7QFB)
B→B1 (AM7QFA)

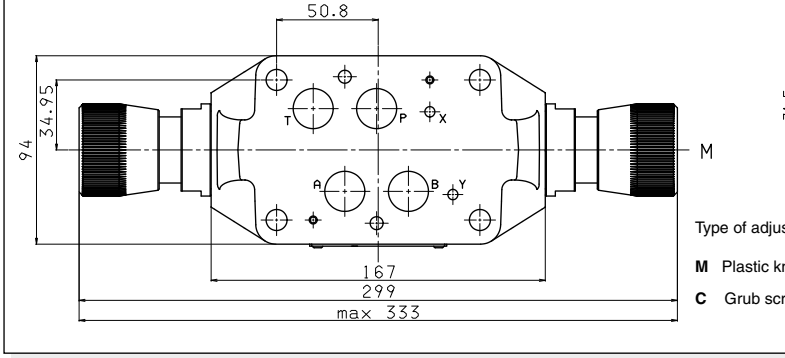
REGULATED FLOW RATE



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

OVERALL DIMENSIONS





Type of adjustment
M Plastic knob
C Grub screw

- 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