

AM.7.UP... MODULAR PILOT OPERATED CHECK VALVES CETOP 7



AM.7.UP...

AM.7.UP type modular check valves allow free flow in one direction by lifting a seated poppet, while in the opposite direction the fluid can return by means of a small piston piloted by the other line pressure (piloted side).

The cast valve body allows limited pressure drops during the fluid flow through the various P/A/B/T lines.

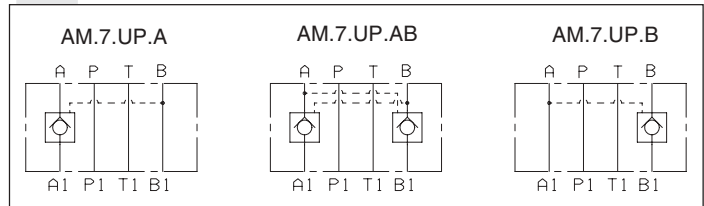
They are available on single A or B lines, and on double A and B lines (see hydraulic symbols).

Max. operating pressure	350 bar
Opening pressure	2 bar
Piloting ratio	1 : 11,7
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 β ₂₅ ≥ 75
Weight	7,2 Kg

ORDERING CODE

- AM** Modular valve
- 7** CETOP 7/NG16
- UP** Piloted check valve
- **** Control on lines **A / B / AB**
- *** Opening pressure **2 = 2 bar**
- **** **00 = No variant**
V1 = Viton
- 1** Serial No.

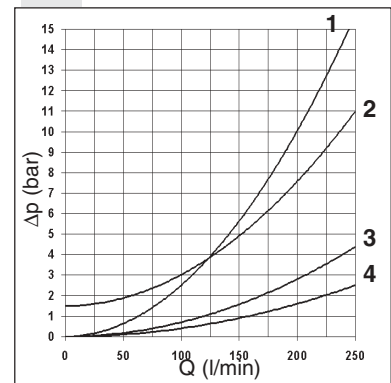
HYDRAULIC SYMBOLS



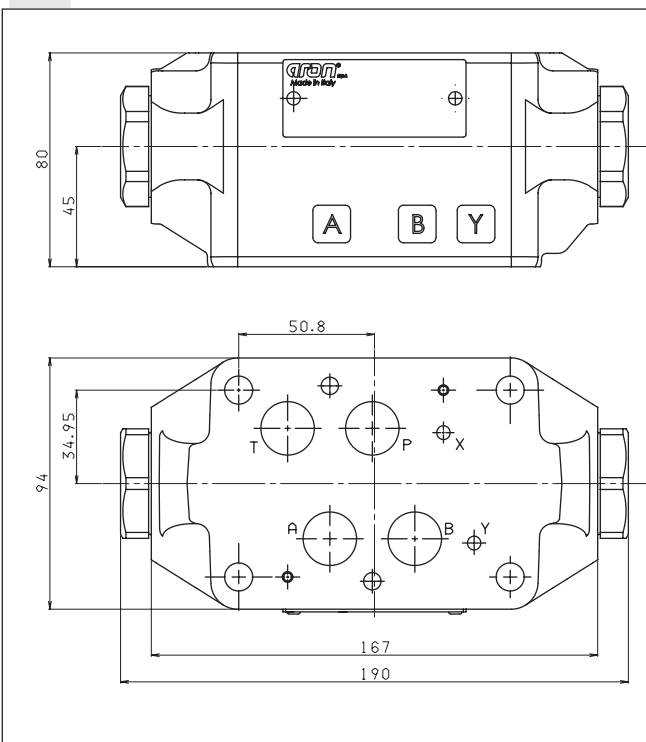
The fluid used is a mineral oil with a viscosity of 46 mm²/s at 40°C. The tests have been carried out a fluid temperature of 50°C.

- 1** = A1→A
B1→B
- 2** = A→A1
B→B1
- 3** = A1→A (AM.7.UP.B)
B1→B (AM.7.UP.A)
- 4** = P1→T
T1→P

PRESSURE DROPS ΔP-Q



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

