

# 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.

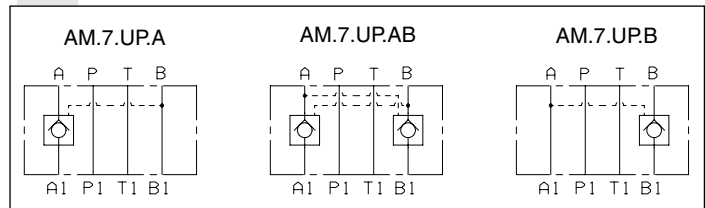
They are available on single A or B lines, and on double A and B lines (see hydraulic symbols).

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 <sup>2</sup> /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 <sub>25</sub> ≥ 75
Weight	7,2 Kg

### ORDERING CODE

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

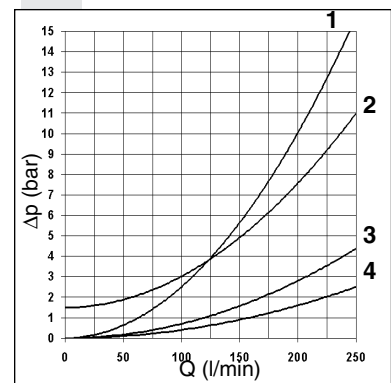
### HYDRAULIC SYMBOLS



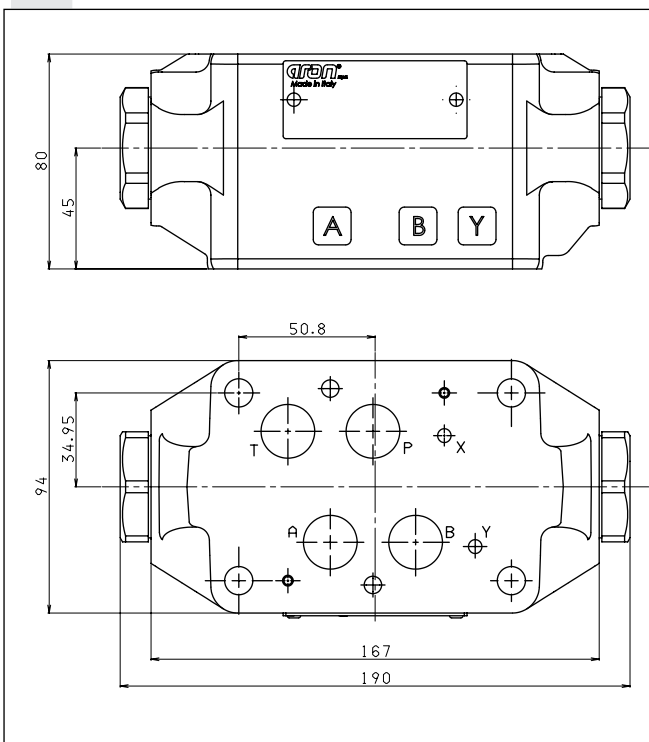
The fluid used is a mineral oil with a viscosity of 46 mm<sup>2</sup>/s at 40°C. The tests have been carried out a fluid temperature of 50°C.

- 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

