

STACKABLE CHECK VALVES

AM2-CO-*/20

30 l/min - 32 MPa (320 bar)

1 DESCRIPTION

Direct operated check valve. All the internal part are made with high strenght steel and are machined with accuracy in order to assure the requested tightness.

The controlled lines are P and T in different combinations.

The standard surafce treatment of the body is phosphate coated.



2 ORDERING CODE

(1)	(2)	(3)	(4)	(5)	(6)
AM2	-	CO	-	-	/ 20

(1) AM2: stackable valve CETOP 02 - Pressure 32 MPa (320 bar)

(2) CO: check valve, spring operated

(3) Service lines where the controls operate:

T : checks on T: flow T1 -> T is blocked, free on A, B and P

P : check on P: flow P -> P1 is blocked, free on A, B and T

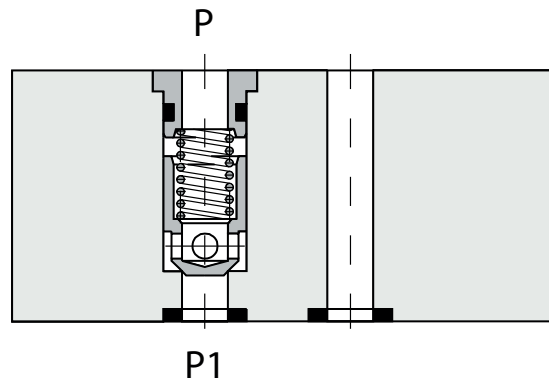
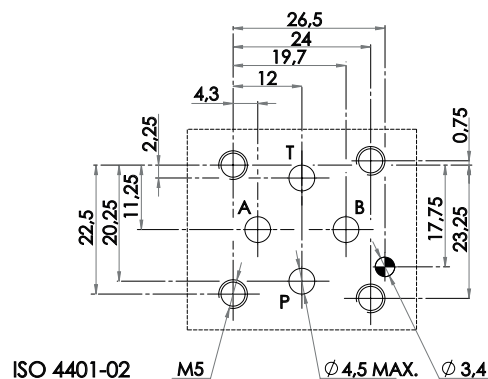
PT : check on P and T: P -> P1 and T1 -> T are blocked, free on A and B

(4) Check valve opening (cracking) pressure (Pm):

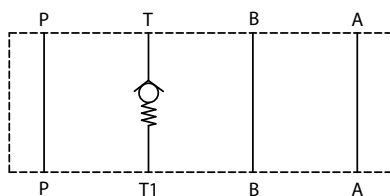
no designation (standard): Pm approx 0.2 MPa (2 bar)

(5) Code reserved for special variants (materials, seals, surface treatments, etc.)

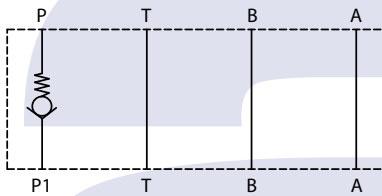
(6) Design number (progressive) of the valves.



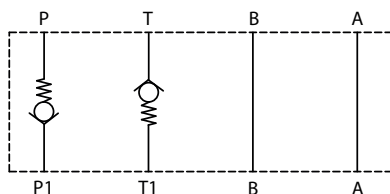
AM2-CO-T-*/20

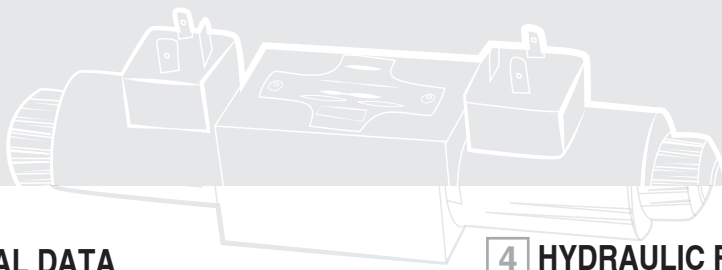


AM2-CO-P-*/20



AM2-CO-PT-*/20





3 TECHNICAL DATA

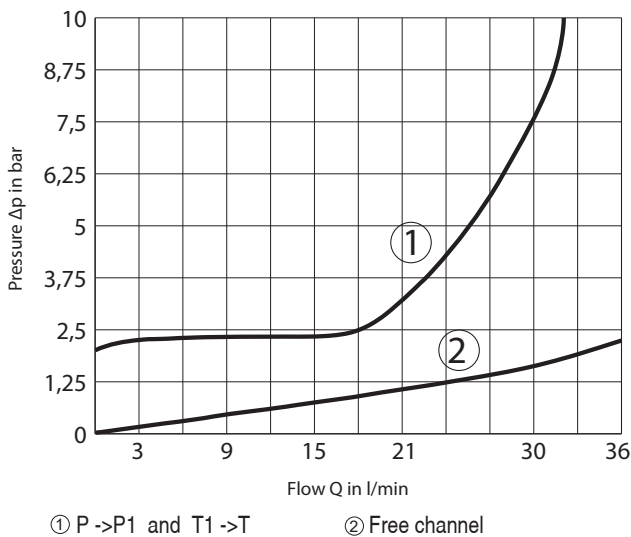
Maximum rec. flow rate	30 l/min
Maximum nominal pressure	32 MPa (320 bar)
Pressure drops	see 5
Installation and dimensions	see 6
Mass	approx 0,5 kg

4 HYDRAULIC FLUIDS

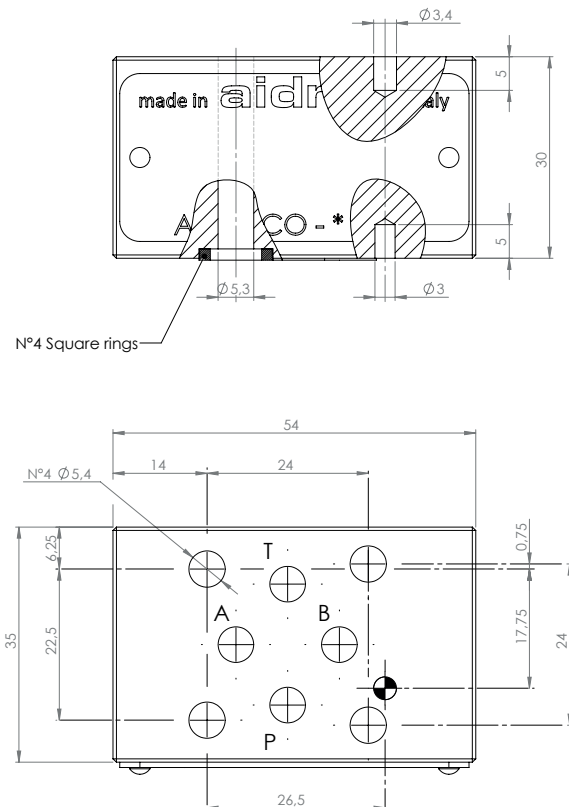
Seals and materials used on standard valves AM2-* are fully compatible with hydraulic fluids of mineral oil base, upgraded with antifoaming and antioxidantizing agents. The hydraulic fluid must be kept clean and filtered to ISO 4406 class 19/17/14, or better, and used in a recommended viscosity range from 10 cSt to 60 cSt.

5 TYPICAL DIAGRAMS

Typical Δp -Q curves for valves AM2-CO-/20 in standard configuration, with mineral oil at 36 cSt and at 50°C



6 INSTALLATION DIMENSIONS (mm)



All stackable valves AM2-CO-*/20 conform with ISO and CETOP specifications for mounting surface dimensions. Valves height 30 mm. Leakage between valve and mounting surface is prevented by the positive compression on their seats of 4 seals. All valves have on their "mounting" surface a ϕ 3.4 mm cylindrical hole and have on their "seals" surface a ϕ 3 mm cylindrical hole, conform with ISO and CETOP norms.