AM3UD... MODULAR DIRECT CHECK VALVES CETOP 3

AM.3.UD type modular check valves allow one way free flow, while flow in the opposite direction is prevented by means of a conical seated poppet.

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

1 bar spring is standard, while a 5 bar rated spring is available on request.

Max. operating pressure	350 bar
Minimum opening pressure spring 1	1 bar
Minimum opening pressure spring 5	5 bar
Max. flow	40 l/min
Hydraulic fluids	Mineral oils DIN 51524
Fluid viscosity	10 ÷ 500 mm²/s a 50°
Fluid temperature	-25°C ÷ 75°C
Ambient temperature	-25°C ÷ 60°C
Max. contamination level	class 10 in accordance with NAS 1638 with filter $\beta_{25} \geq 75$
Weight	0,8 Kg

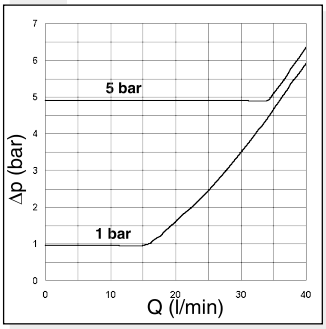
AM3UD...

SCREWS AND STUDS CAP. IV • 21

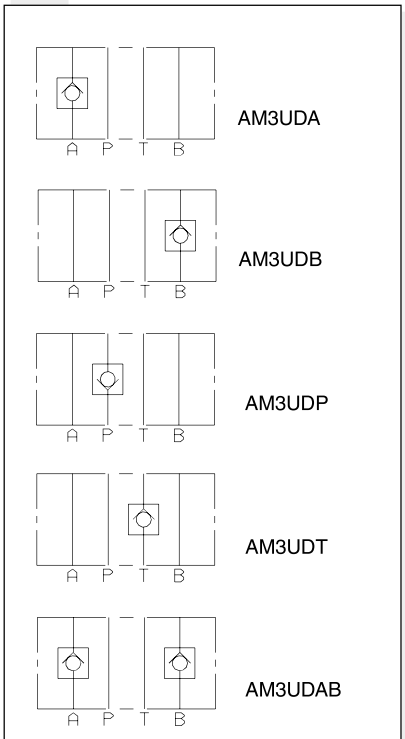
ORDERING CODE

AM	Modular valve
3	CETOP 3/NG6
UD	Direct check valve
**	Control on lines **A / B / P / T / AB**
*	Minimum opening pressure **1** = 1 bar **5** = 5 bar
**	**00** = No variant **V1** = Viton
2	Serial No.

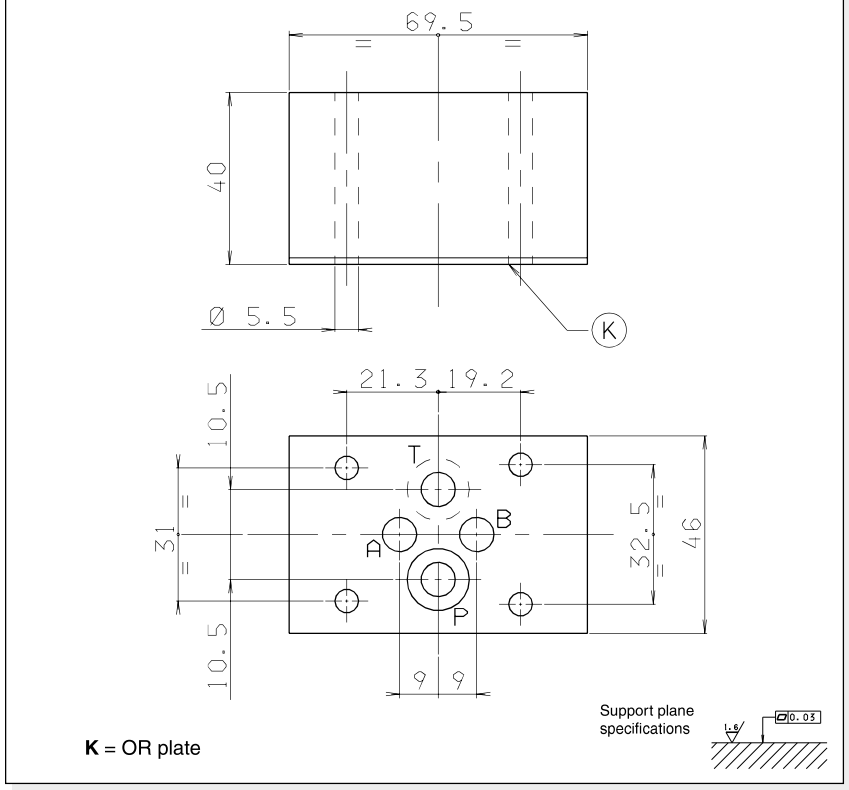
PRESSURE DROPS



HYDRAULIC SYMBOLS



OVERALL DIMENSIONS



K = OR plate

AM3UP... / AM3UP1... MODULAR
PILOT OPERATED CHECK VALVES CETOP 3

AM.3.UP type modular check valves allow free flow in one direction by raising a conical seated poppet valve, while in the opposite direction the fluid can return by means of a small piston piloted by the other line pressure (piloted side).

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

A pre-opening version is also available (AM3UP1..) only with 5 bar spring.

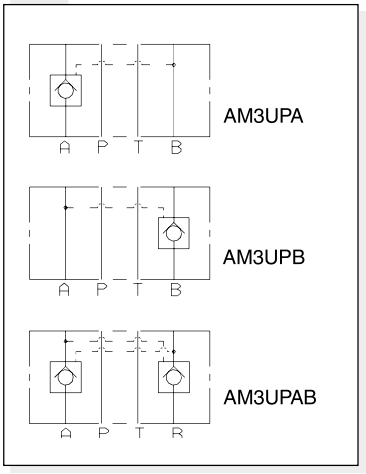
Max. operating pressure	350 bar
Minimum opening pressure spring 1	1 bar
Minimum opening pressure spring 5	5 bar
Piloting ratio AM.3.UP	1:4
Piloting ratio AM.3.UP1	1:12,5
Max. flow	40 l/min
Hydraulic fluids	Mineral oils DIN 51524
Fluid viscosity	10 ÷ 500 mm²/s
Fluid temperature	-25°C ÷ 75°C
Ambient temperature	-25°C ÷ 60°C
Max. contamination level	class 10 in accordance with NAS 1638 with filter $\beta_{25} \geq 75$
Weight	1 Kg

AM3UP / AM3UP1

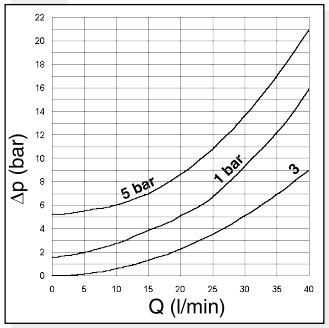
SCREWS AND STUDS CAP. IV • 21

4

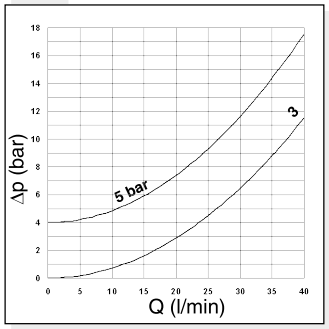
HYDRAULIC SYMBOLS



PRESSURE DROPS AM3UP



PRESSURE DROPS AM3UP1



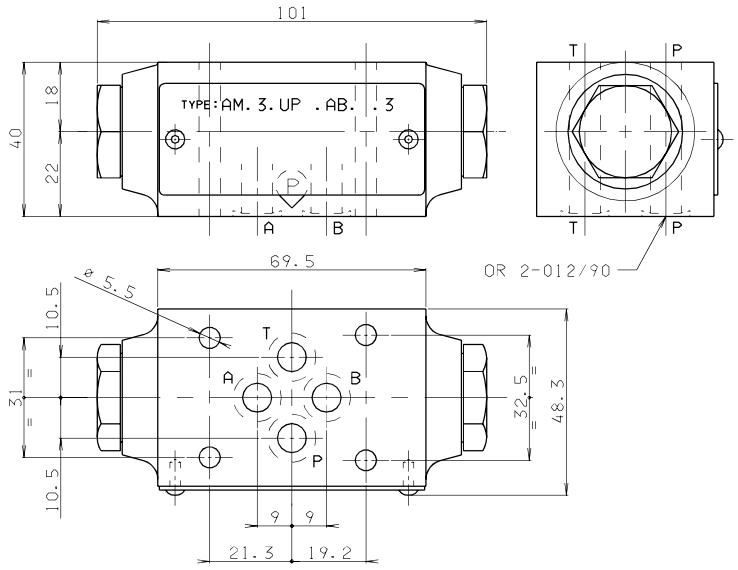
Curve n. 3 = Piloted side flow

ORDERING CODE

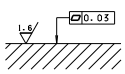
AM	Modular valve
3	CETOP 3/NG6
**	**UP** = Piloted check valve **UP1** = With pre-opening
**	Control on lines **A / B / AB**
*	Minimum opening pressure **1** = 1 bar (only for UP version) **5** = 5 bar **8** = 8 bar (only for UP version)
**	**00** = No variant **V1** = Viton
3	Serial No.

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



Support plane specifications



DANA BREVINI Motion Systems