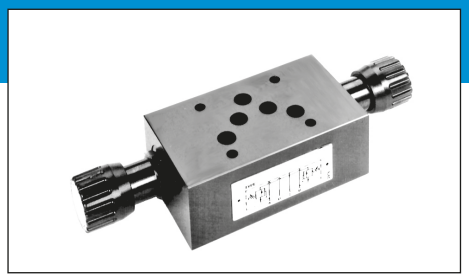
AM5VM... / AM5VI... MODULAR
MAX. PRESSURE VALVES CETOP 5



AM5VM / AM5VI...	
CMP20...	CARTRIDGE CATALOGUE
CMP30...	CARTRIDGE CATALOGUE
SCREWS AND STUDS	SECT. D 36

AM5VM type pressure regulating valves are available within operating range 7 ÷ 350 bar. Adjustment is by means of a grub screw or a plastic knob. They are three basic versions:
AM5VM, on single A or B lines, and on double A and B lines, with drainage on T; **AM5VMP,** on single P line, with drainage on T; **AM5VI,** on single A or B lines, and on double A and B lines, with crossed drainage on either A or B (see hydraulic symbols). Three spring types can be fitted on all versions, with calibrated ranges as shown in the unit specifications.
Piloted operation cartridge type CMP30 is used on versions AM5VM and AM5VM.P (see ordering code), while on version AM5VI direct acting cartridge type CMP20 is used instead.

For the minimum permissible setting pressure depending on the spring, see the minimum pressure setting curve.

Max. operating pressure		350 bar
Setting ranges:	spring 1	50 bar
	spring 2	140 bar
	spring 3	350 bar
Max. flow		80 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 AM5VMA/B/P...		2,5 Kg
Weight AM5VMAB...		2,7 Kg
Weight AM5VIA/B...		5,7 Kg
Weight AM5VIAB...		5,9 Kg

ORDERING CODE

AM — Modular valve

5 — CETOP 5/NG10

****** — **VM** = Maximum pressure
VI = Maximum crossline relief

****** — Adjustment on the lines
AM.5.VM Version = **A / B / P / AB**
AM.5.VI Version = **A / B / AB**

***** — Type of adjustment
M = Plastic knob
C = Grub screw

***** — Setting ranges at port A/B/P

CMP 30 (AM5VM only)	CMP 20 (AM5VI only)	
1 = max. 50 bar	**1** = max.50 bar	**(white spring)**
2 = max. 140 bar	**2** = max. 140 bar	**(yellow spring)**
3 = max. 350 bar	**3** = max. 250 bar	**(green spring)**

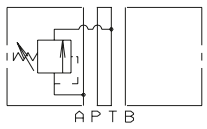
***** — Setting ranges at port B
Omit if the setting is same as that at port A

CMP 30 (AM5VM only)	CMP 20 (AM5VI only)	
1 = max.50 bar	**1** = max.50 bar	**(white spring)**
2 = max. 140 bar	**2** = max. 140 bar	**(yellow spring)**
3 = max. 350 bar	**3** = max. 250 bar	**(green spring)**

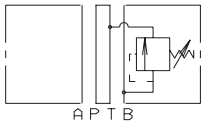
****** — **00** = No variant
V1 = FKM

3 — Serial No.

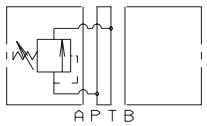
HYDRAULIC SYMBOLS



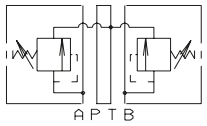
AM5VMA



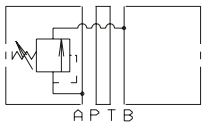
AM5VMB



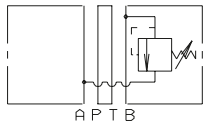
AM5VMP



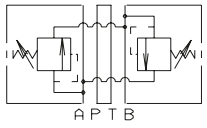
AM5VMAB



AM5VIA

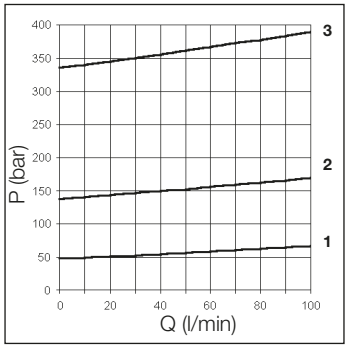


AM5VIB

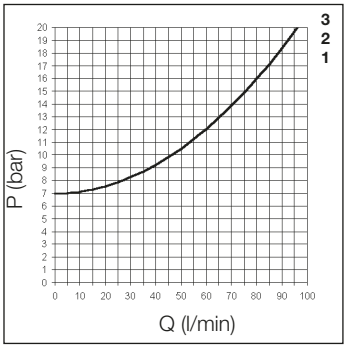


AM5VIAB

PRESSURE - FLOW RATE FOR CMP30

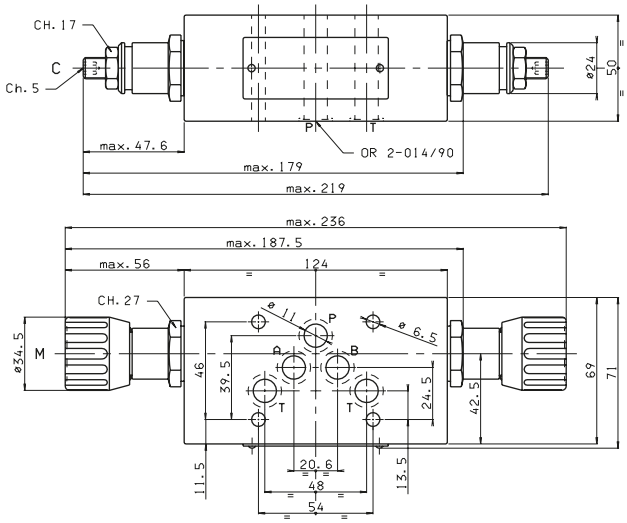


MINIMUM SETTING PRESSURE FOR CMP30



OVERALL DIMENSIONS

AM5VMAB...

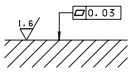


Type of adjustment

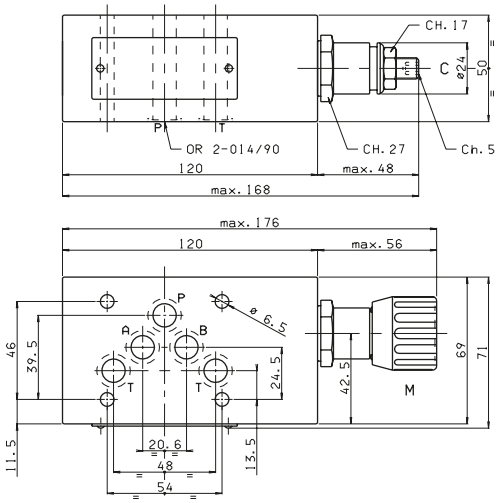
M Plastic knob

C Grub screw

Support plane specifications



AM5VMP...

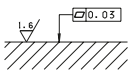


Type of adjustment

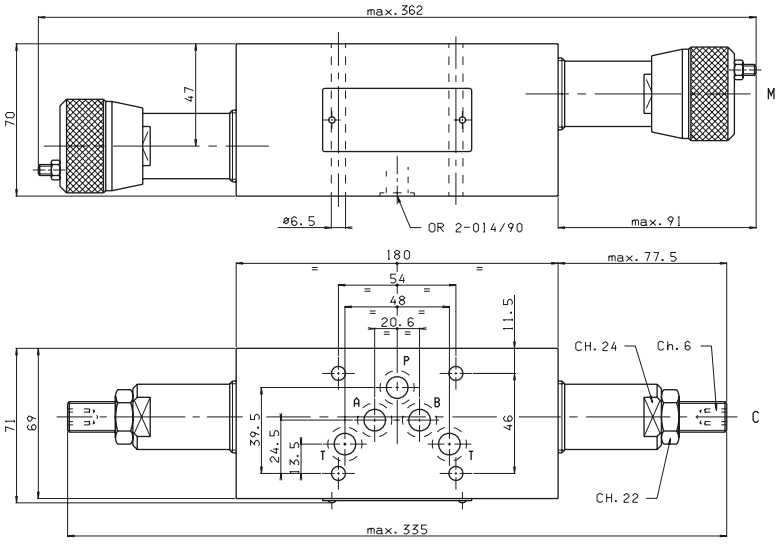
M Plastic knob

C Grub screw

Support plane specifications



AM5VIAB...

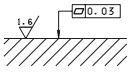


Type of adjustment

M Plastic knob

C Grub screw

Support plane specifications



D