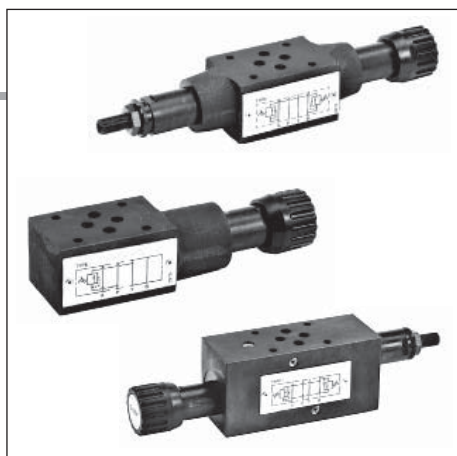


AM3VM... / AM3VI... MODULAR MAX PRESSURE VALVES CETOP 3



AM3VM / AM3VI...

CMP10... CH. VII PAGE 30

SCREWS AND STUDS CH. IV PAGE 21

AM.3.VM type pressure regulating valves are available with a pressure range of 2 ÷ 320 bar.

Adjustment is by means of a grub screw or a plastic knob.

Three basic versions are available:

- AM3VM on single A or B lines, and on A and B lines, with drainage to T;
 - AM3VMP on single P line, with drainage to T;
 - AM3VI on single A or B lines, and on A and B lines, with crossed drainage on A or B (see hydraulic symbols).
- All versions can accept three types of springs with calibrated ranges as shown in the specifications.

The cartridge, which is the same for all versions, is the direct acting type CMP10.

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

Max. operating pressure	320 bar
Setting ranges:	spring 1 max. 50 bar
	spring 2 max. 150 bar
	spring 3 max. 320 bar
Max. flow	40 l/min
Hydraulic fluids	Mineral oils DIN 51524
Fluid viscosity	10 ÷ 500 mm ² /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 AM.3.VM.A/B/P...	1,2 Kg
Weight AM.3.VM.AB...	1,3 Kg
Weight AM.3.VI.A/B...	2 Kg
Weight AM.3.VI.AB...	2,2 Kg

ORDERING CODE

AM

Modular valve

3

CETOP 3/NG6

**

VM = Maximum pressure

VI = Maximum pressure crossline

**

Adjustment on the lines

AM.3.VM Version = A / B / P / AB

AM.3.VI Version = A / B / AB

*

Type of adjustment

M = Plastic knob

C = Grub screw

*

Setting ranges at port A/B/P

1 = max. 50 bar (white spring)

2 = max. 150 bar (yellow spring)

3 = max. 320 bar (green spring)

*

Setting ranges at port B

(Omit if the setting is same as that at port A)

1 = max. 50 bar (white spring)

2 = max. 150 bar (yellow spring)

3 = max. 320 bar (green spring)

**

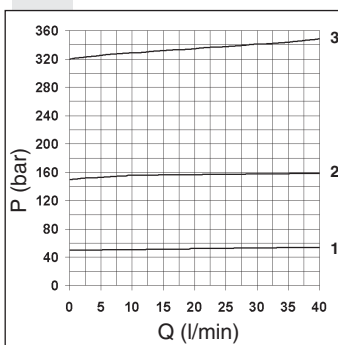
00 = No variant

V1 = Viton

3

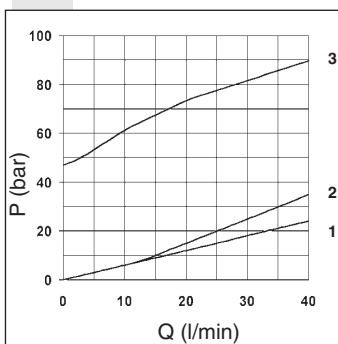
Serial No.

PRESSURE - FLOW RATE

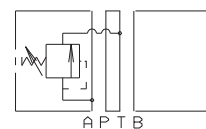


Curves n° 1 - 2 - 3 = setting ranges

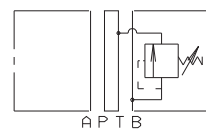
MINIMUM SETTING PRESSURE



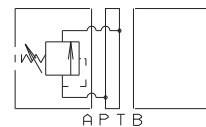
HYDRAULIC SYMBOLS



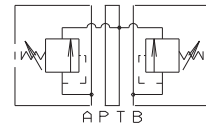
AM3VMA



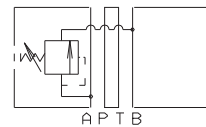
AM3VMB



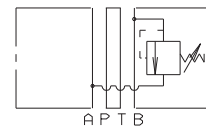
AM3VMP



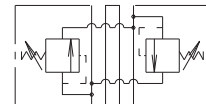
AM3VMAB



AM3VIA



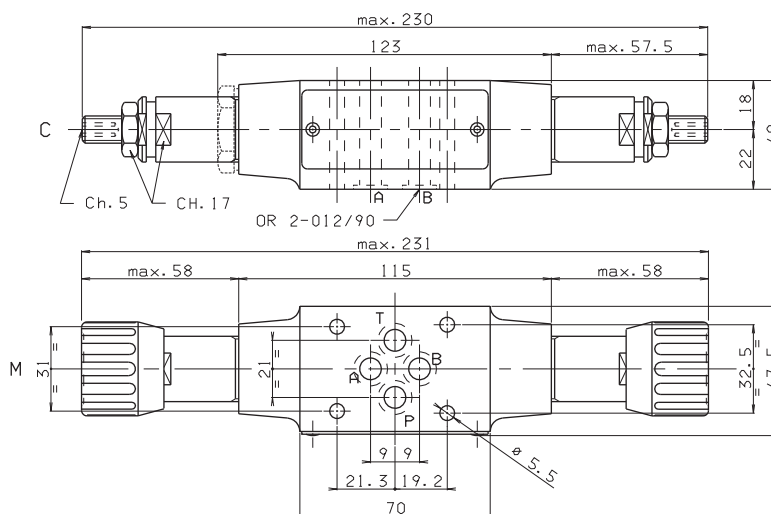
AM3VIB



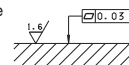
AM3VIAB

OVERALL DIMENSIONS

AM3VMAB...



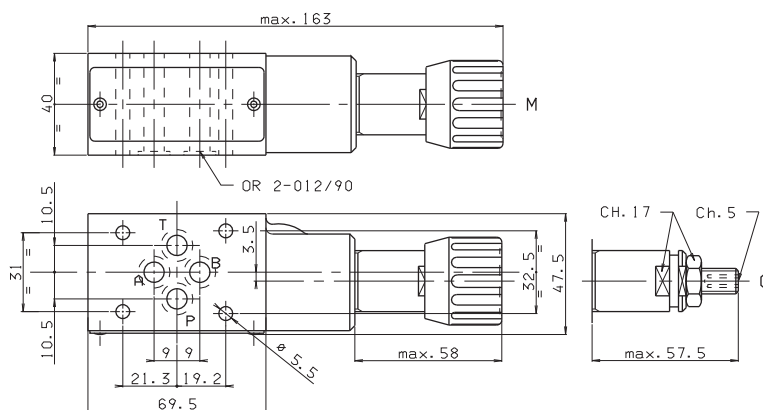
Support plane specifications



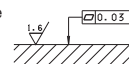
Type of adjustment

- M** Plastic knob
- C** Grub screw

AM3VMP...



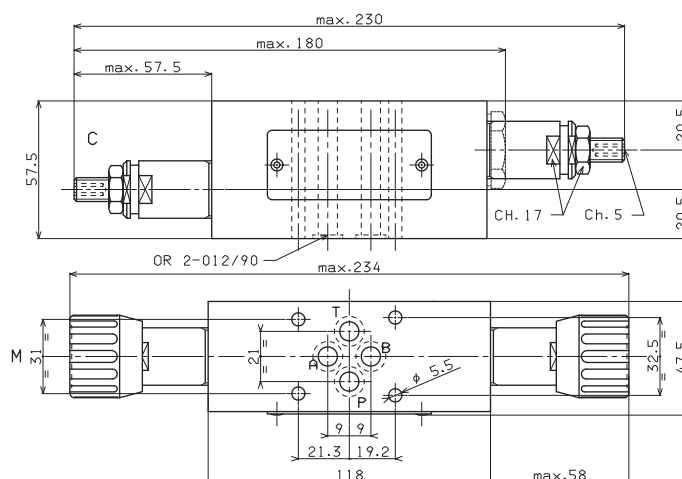
Support plane specifications



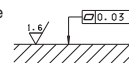
Type of adjustment

- M** Plastic knob
- C** Grub screw

AM3VIAB...



Support plane specifications



Type of adjustment

- M** Plastic knob
- C** Grub screw



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



AM5VM... / AM5VI...

CMP20... BFP CARTRIDGE CATALOGUE

CMP30... BFP CARTRIDGE CATALOGUE

SCREWS AND STUDS CH. IV PAGE 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 mm ² /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 AM.5.VM.A/B/P...	2,5 Kg
Weight AM.5.VM.AB...	2,7 Kg
Weight AM.5.VI.A/B...	5,7 Kg
Weight AM.5.VI.AB...	5,9 Kg

4

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 CMP 20

(AM5VM only) (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 CMP 20

(AM5VM only) (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)

**

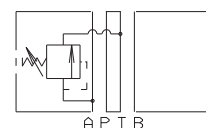
00 = No variant

V1 = Viton

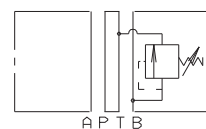
3

Serial No.

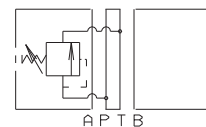
HYDRAULIC SYMBOLS



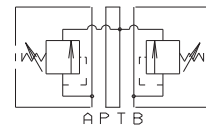
AM5VMA



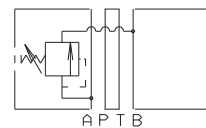
AM5VMB



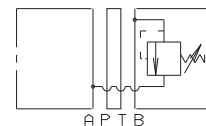
AM5VMP



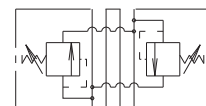
AM5VMAB



AM5VIA

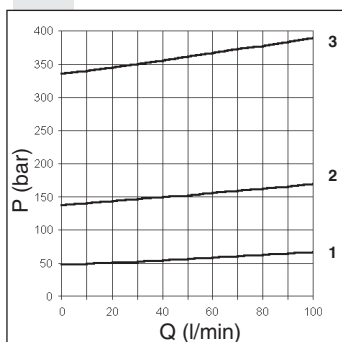


AM5VIB

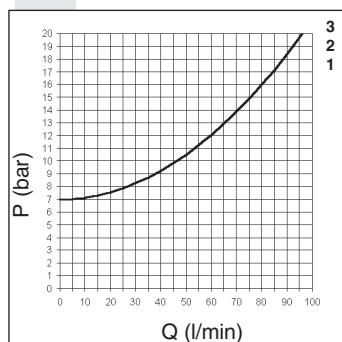


AM5VIAB

PRESSURE - FLOW RATE FOR CMP30

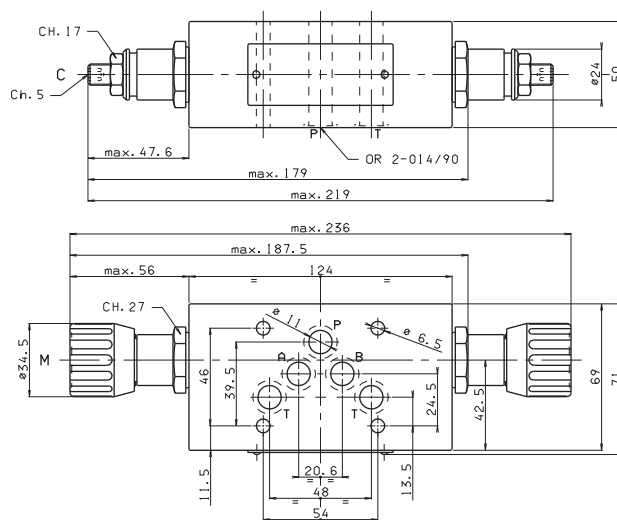


MINIMUM SETTING PRESSURE FOR CMP30



OVERALL DIMENSIONS

AM5VMAB...

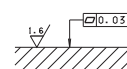


Type of adjustment

M Plastic knob

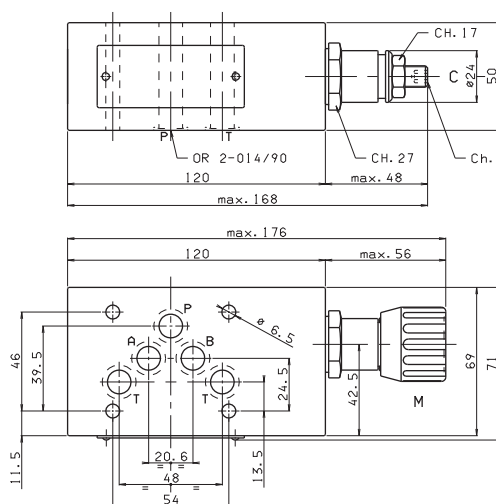
C Grub screw

Support plane specifications



4

AM5VMP...

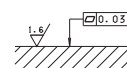


Type of adjustment

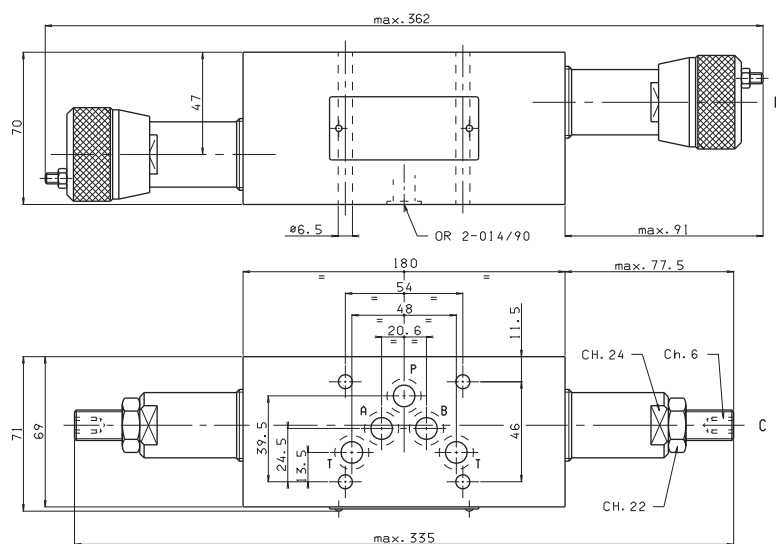
M Plastic knob

C Grub screw

Support plane specifications



AM5VIAB...



Type of adjustment

M Plastic knob

C Grub screw

Support plane specifications

