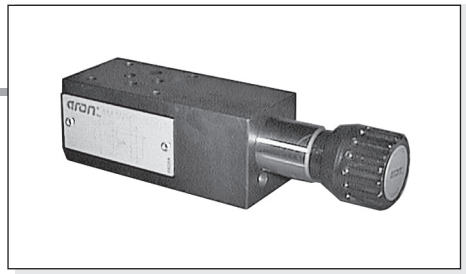


AM3VR... MODULAR REDUCING VALVES
WITH RELIEVING - PILOT OPERATED CETOP 3

brevini

AM3VR...	
CVR20...	BFP CARTRIDGE CATALOGUE
SCREWS AND STUDS	CH. IV PAGE 21

These pressure reducing valves ensure a minimum pressure variation on the P or A port with changing flow rate up to 90 l/min.

Three spring types allow adjustment within the range 7 ÷ 250 bar. Manual adjustment is available by a grub screw or plastic knob.

The RELIEVING SYSTEM inside the valve AM3VR allows the passage from the setting pressure line to T line of the flow through the valve to avoid the increasing of pressure in the reduced-pressure line by diverting exceeding flow to reservoir. A bypass module with check valve for free flow from A to AR port (see hydraulic symbol) is available..

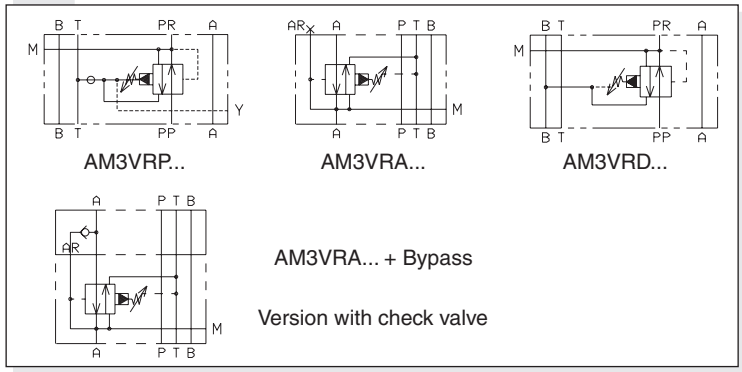
Max. operating pressure		350 bar
Setting ranges:	spring 1	max. 60 bar
	spring 2	max. 120 bar
	spring 3	max. 250 bar
Maximum allowed Δp pressure between the inlet an outlet pressure		**150 bar**
Max. flow		40 l/min
Draining on port T		0,5 ÷ 0,7 l/min
Hydraulic fluids		Mineral oils DIN 51524
Fluid viscosity		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 $ß_{25}≥75$
Weight		1,36 Kg
Weight bypass version		2 Kg

4

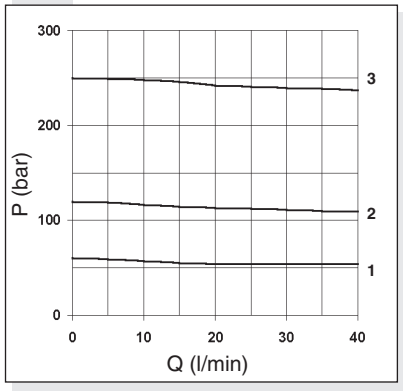
ORDERING CODE

AM	Modular valve
3	CETOP 3/NG6
VR	Pilot operated pressure reducing valve with relieving
*	Control on lines **P** = Drain on T **A** = Drain on T **D** = Drain on B reduct pressure on A
*	Drain connection **E** = External (only for control on the P line) **I** = Internal (Standard)
B	Version with bypass on line A only **Omit if not required**
*	Type of adjustment **M** = Plastic knob **C** = Grub screw
*	Setting ranges **1** = max. 60 bar **(white spring)** **2** = max. 120 bar **(yellow spring)** **3** = max. 250 bar **(green spring)**
**	**00** = No variant **V1** = Viton
1	Serial No

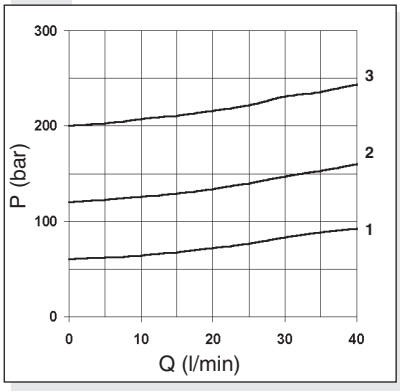
HYDRAULIC SYMBOLS



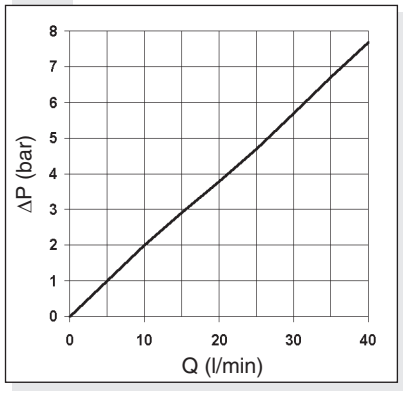
PRESSURE-FLOW RATE



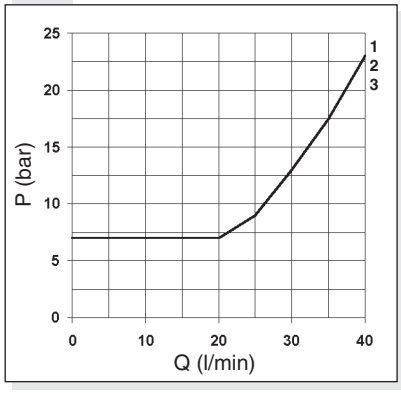
PRESSURE-FLOW OF RELIEVING



ΔP AM3+VR... + BYPASS



MINIMUM SETTING PRESSURE



To changes valves AM3VRP... from internal to external drainage it is necessary:
- screw out the plug on the "Y" port
- screw out the plug T.C.E.I. M8x1 from the body
- screw in a screw S.T.E.I. M6
- rescrew the T.C.E.I. M8x1 plug on the body

NOTE: the external draining can be used as a piloting line (please, contact our Technical Service for other informations)

Curves n° 1 - 2 - 3 = setting ranges

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.

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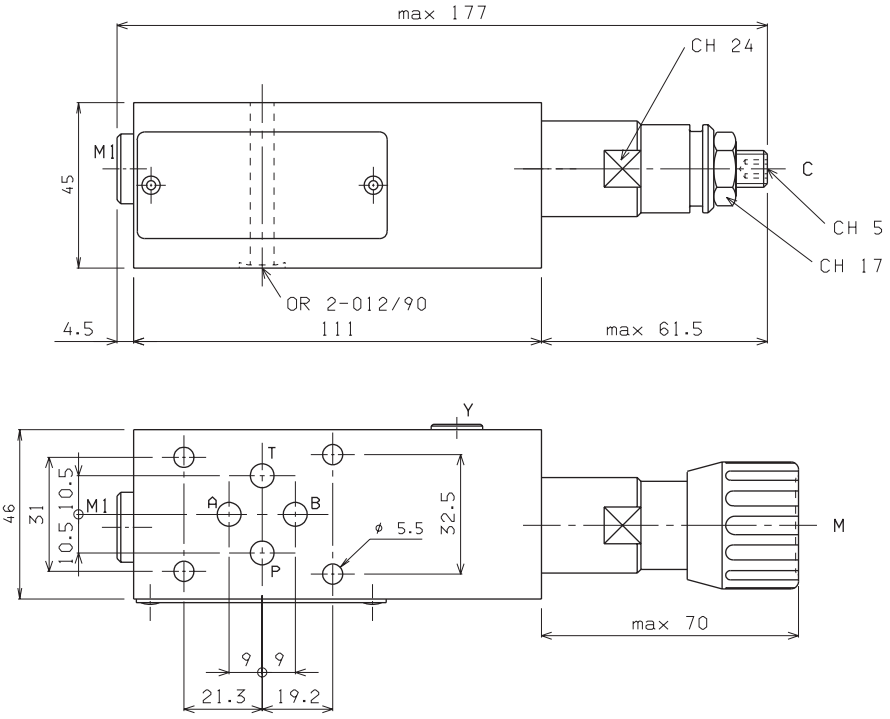
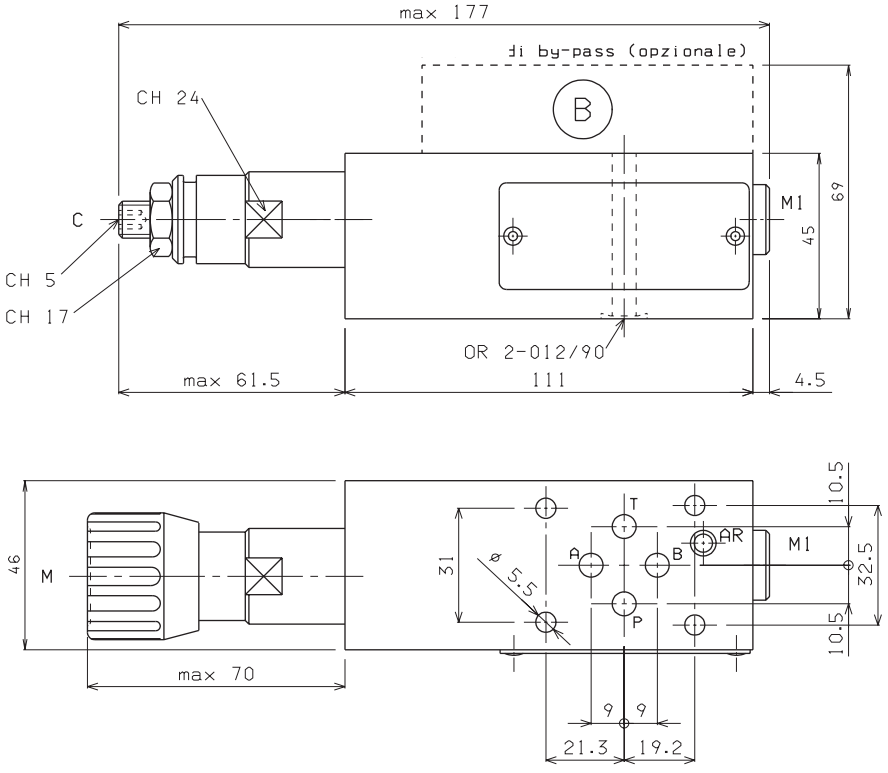
OVERALL DIMENSIONS

AM3VRP... / AM3VRD...



AM3VRA... + BYPASS

Ⓑ Bypass (optional)
Ordering code:
V89.45.000
(if ordered separately)



Type of adjustment

M Plastic knob

C Grub screw

Support plane specifications