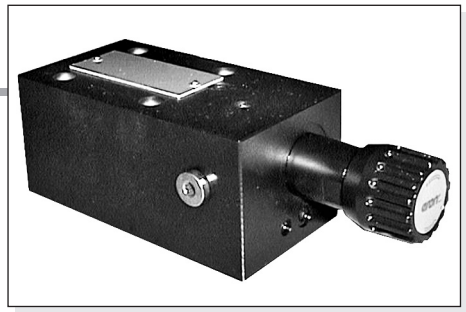


PVR5 / PVS5...

PV*.5 / PV*.U5 PRESSURE REDUCING AND SEQUENCING VALVES CETOP 5

brevini

These subplate mounting piloted type pressure reducing and sequencing valves ensure a minimum variation in their calibrated pressure value with changing flow rate.

They are normally supplied with internal piloting and internal drainage on B, but they are already provided with a hole on the front cover to allow for external drainage.

They are available with two different types of adjustment and three calibrated ranges that cover pressure 7 ÷ 250 bar, with and without check valve.

The adjustment is carried out by means of a grub screw or a metric plastic knob.

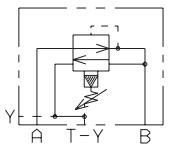
Max. pressure		320 bar
Setting ranges	Spring 1	max. 60 bar
	Spring 2	max. 120 bar
	Spring 3	max. 250 bar
Maximum allowed Δp pressure between the inlet and outlet pressure (PVR only)		150 bar
Max. flow		90 l/min
Draining on port T		0.5 ÷ 0.7 l/min
Hydraulic fluids		Mineral oils DIN 51524
Fluid viscosity		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 (without check valve)		3,8 Kg
Weight (reducing valve with check valve)		4,2 Kg
Weight (sequencing valve with check valve)		4,5 Kg

ORDERING CODE

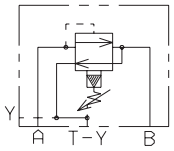
PV*	**R** = Reducing valve **S** = Sequencing valve
U	Check valve (omit if not required)
5	CETOP 5/NG10
*	Type of adjustment: **M** = Plastic knob **C** = Grub screw
*	Setting ranges **1** = max. 60 bar **(white spring)** **2** = max. 120 bar **(yellow spring)** **3** = max. 250 bar **(green spring)**
**	**00** = No variant **V1** = Viton
1	Serial No.

HYDRAULIC SYMBOLS

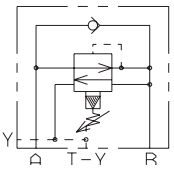
PVR.5...



PVS.5...



PVR.U.5...



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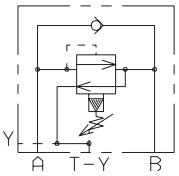
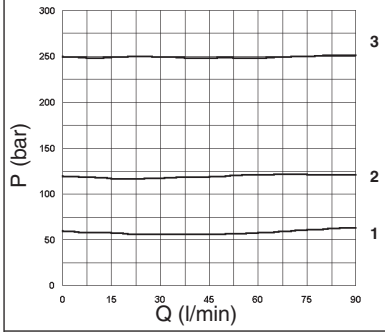
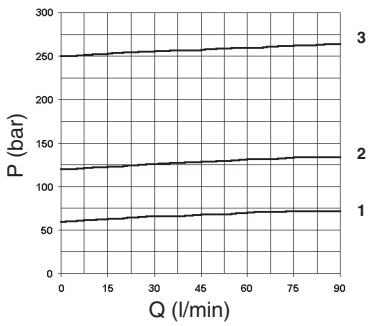


DIAGRAMS

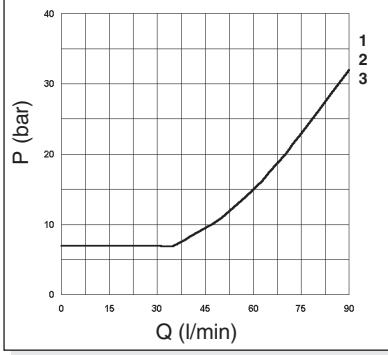
PVR.5... / PVR.U.5...
PRESSURE - FLOW RATE



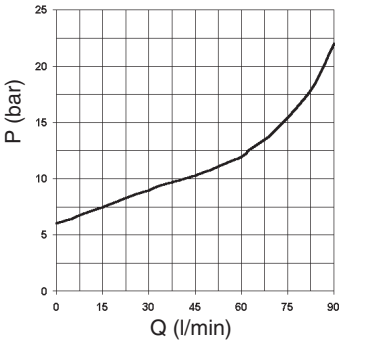
PVS.5... / PVS.U.5...
PRESSURE - FLOW RATE



PVR.5... / PVR.U.5...
MINIMUM SETTING PRESSURE



PVS.5... / PVS.U.5...
MINIMUM SETTING PRESSURE

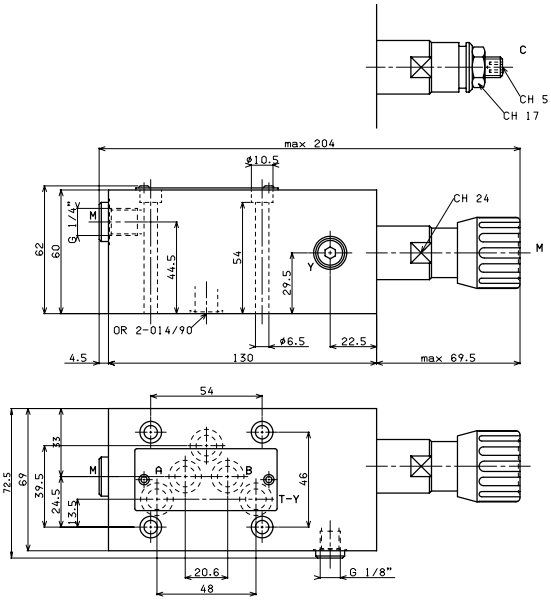


Curves n° 1 - 2 - 3 = setting ranges

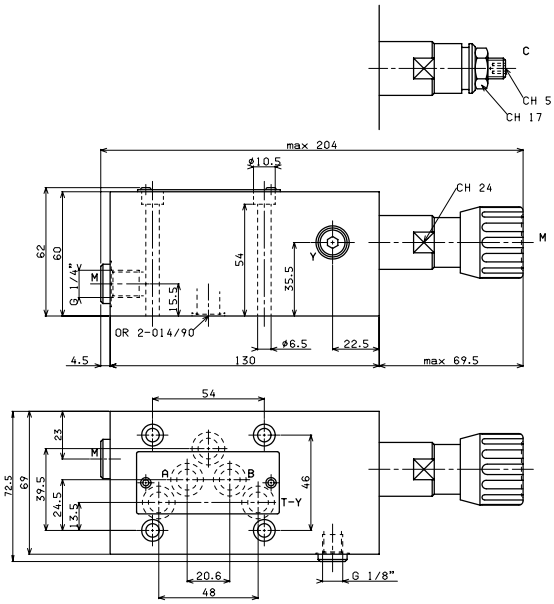
The fluid used is a mineral oil with viscosity of 46 mm²/s a 40°C. The tests were carried out at a fluid temperature of 50°C.

OVERALL DIMENSIONS

REDUCING VALVE
PVR.5... CETOP 5/NG10



SEQUENCING VALVE
PVS.5... CETOP 5/NG10



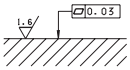
Type of adjustment

M Plastic knob

C Grub screw

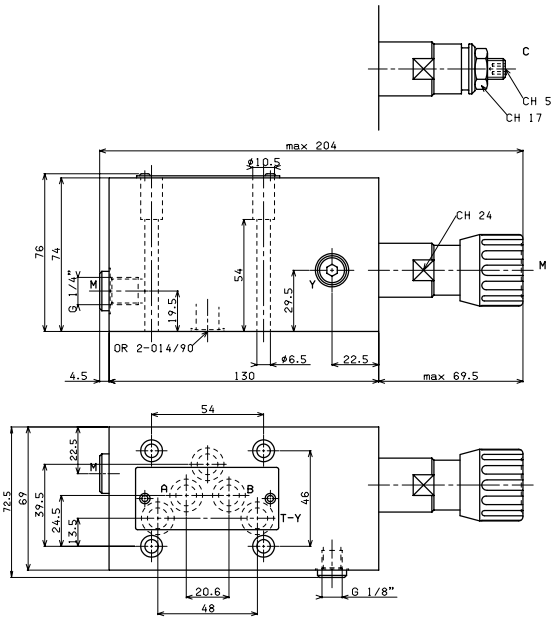
Fixing screws UNI 5931 M6x65
with material specifications min. 8.8
Tightening torque 8 Nm / 0.8 Kgm

Support plane specifications

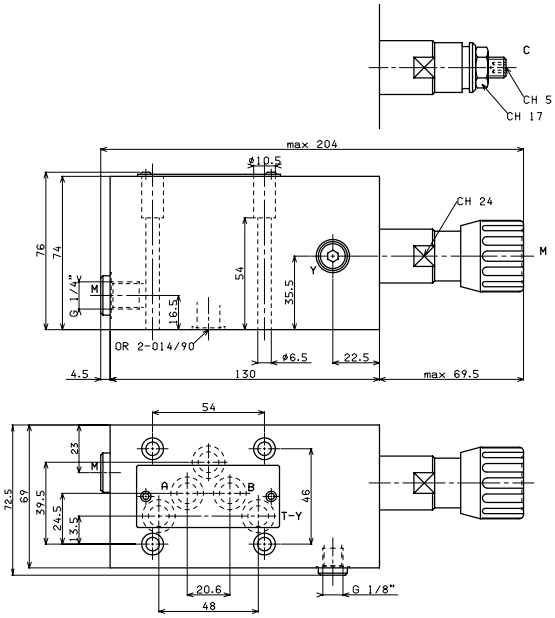


OVERALL DIMENSIONS

REDUCING VALVE WITH CHECK VALVE
PVR.U.5... CETOP 5/NG10



SEQUENCING VALVE WITH CHECK VALVE
PVS.U.5... CETOP 5/NG10



Type of adjustment

M Plastic knob

C Grub screw

Fixing screws UNI 5931 M6x65
with material specifications min. 8.8
Tightening torque 8 Nm / 0.8 Kgm

Support plane specifications