



PVR.5 / PVS.5...

PV*.5 / PV*.U.5 PRESSURE REDUCING AND SEQUENCING VALVES CETOP 5/NG10

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 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 (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**)

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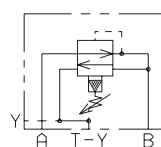
00 = No variant
V1 = Viton

1

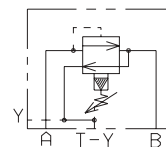
Serial No.

HYDRAULIC SYMBOLS

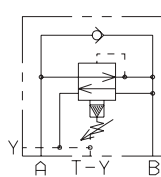
PVR.5...



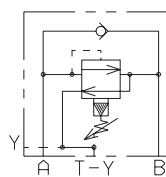
PVS.5...



PVR.U.5...

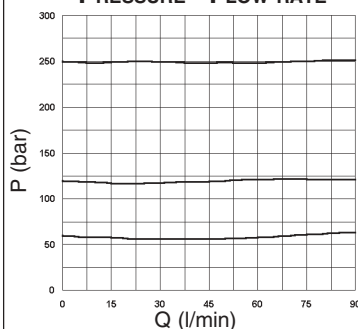


PVS.U.5...

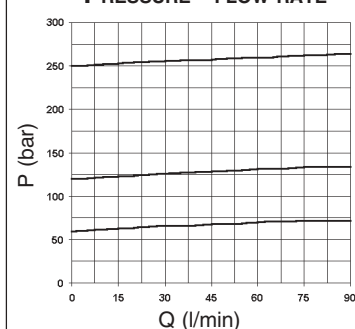


DIAGRAMS

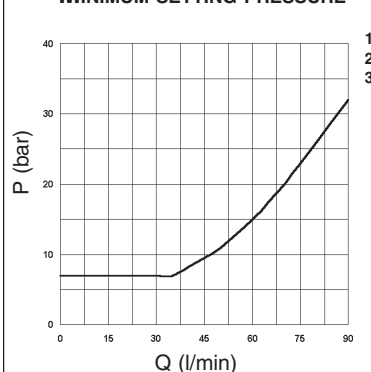
PVR.5... / PVR.U.5...
PRESSURE - FLOW RATE



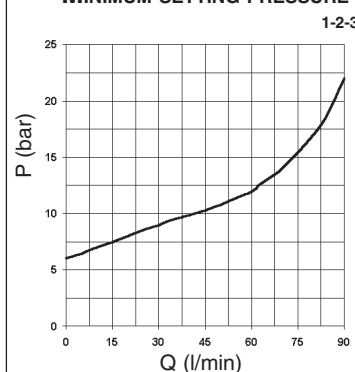
PVS.5... / PVS.U.5...
PRESSURE - FLOW RATE



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



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

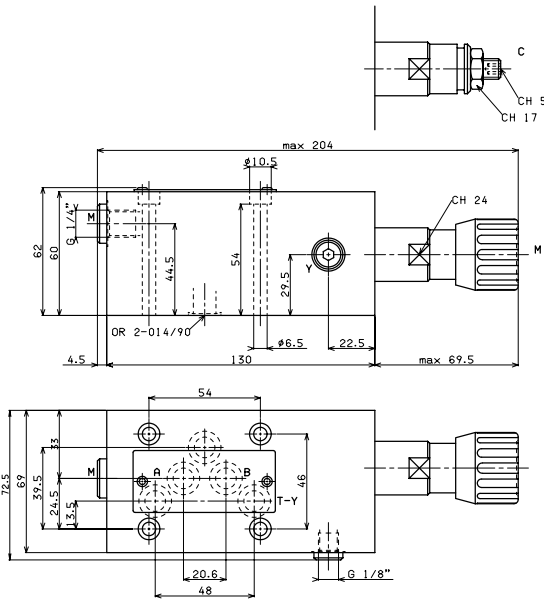


Curves n° 1 - 2 - 3 = setting ranges

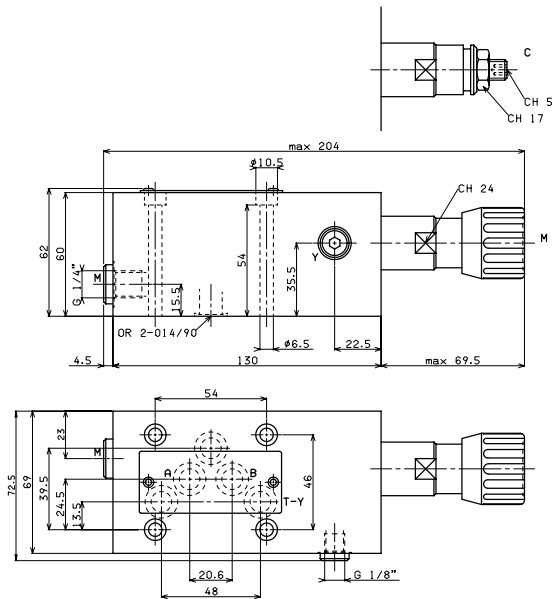
The fluid used is a mineral oil with viscosity of 46 mm²/s at 40°C. The tests were carried out at a fluid temperature of 50°C.

OVERALL DIMENSIONS

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



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

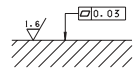


Type of adjustment

- M Plastic knob
- C Grub screw

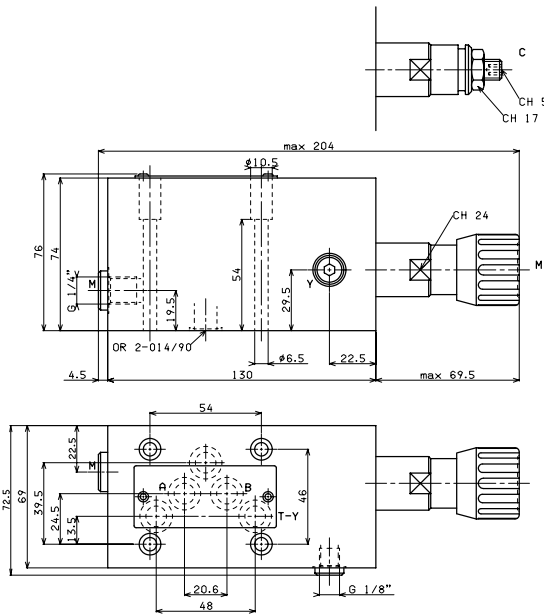
Fixing screws UNI 5931 M6x65
with material specifications min. 8.8
Tightening torque 8 Nm / 0.8 Kgm

Support plane
specifications

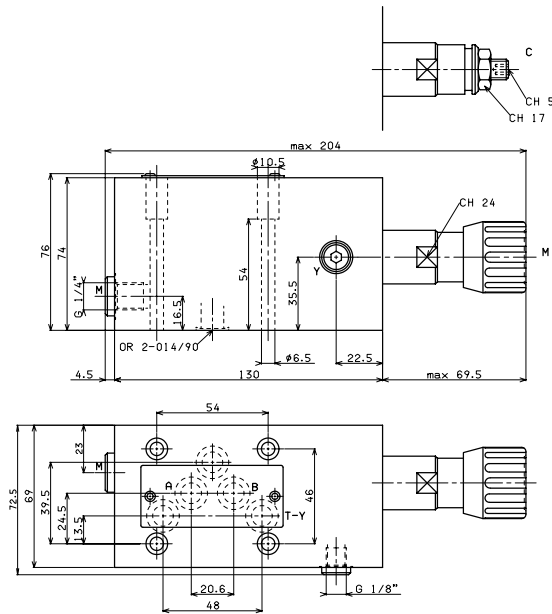


OVERALL DIMENSIONS

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

