VMP.30 MAXIMUM PRESSURE / PILOTED VALVES
IN LINE MOUNTING

The maximum pressure valves VMP30... are piloted action units. Their use is essential for the limitation of hydraulic system pressure. In order to achieve a more convenient calibration adjustment the whole pressure range (7÷350 bar) has been subdivided into 3 smaller bands, as shown in the ordering part number table. For each pressure band a different calibration spring is used, selected for the corresponding minimum operating pressure. The CMP30 cartridge is a piloted action unit.

These piloted action valves offer an important safety feature for the systems in which they are used: a mechanical end of stroke stop prevents the user from setting pressure values higher than those specified in the catalogue (it is impossible to compress the spring completely).

**ORDERING CODE**

Max. pressure valve
Connector size: 3/4" BSP

Type of adjustment
M = Steel knob
C = Grub screw
V = Handwheel

Setting ranges
1 = max. 50 bar (white spring)
2 = max. 140 bar (yellow spring)
3 = max. 350 bar (green spring)

00 = No variant
V1 = Viton

Serial No.

**OVERALL DIMENSIONS**

Max. operating pressure 350 bar
Setting ranges: Spring 1 max. 50 bar
Spring 2 max. 140 bar
Spring 3 max. 350 bar
Max. flow 100 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 β₇₅ ≥ 75
Weight 1.4 Kg

• The minimum permissible setting pressure is the same for all springs: see curve below