



DIPLOMATIC
HYDRAULICS

21 100/107 ED

CR

**DIRECT OPERATED
PRESSURE CONTROL VALVE
SERIES 22**

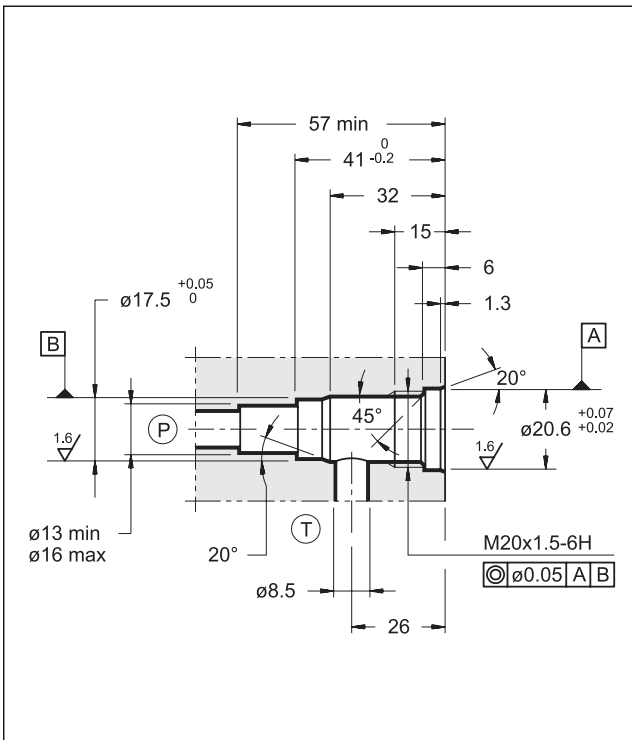


CARTRIDGE TYPE

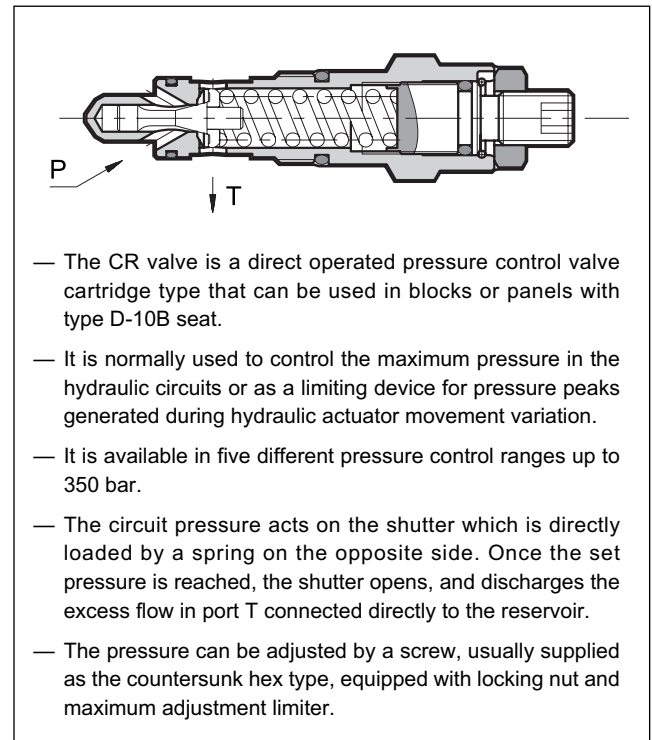
p max 350 bar

Q max 50 l/min

SEAT DIMENSIONS: D-10B



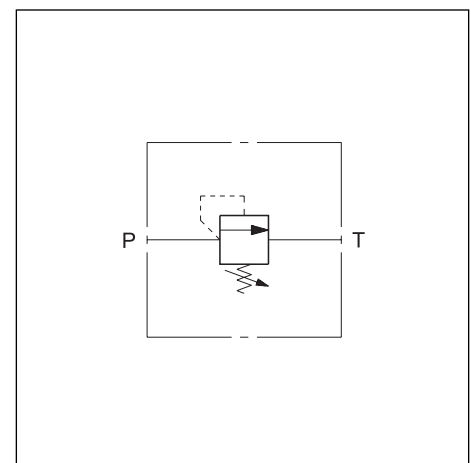
OPERATING PRINCIPLE



PERFORMANCES (measured with mineral oil of viscosity 36 cSt at 50°C)

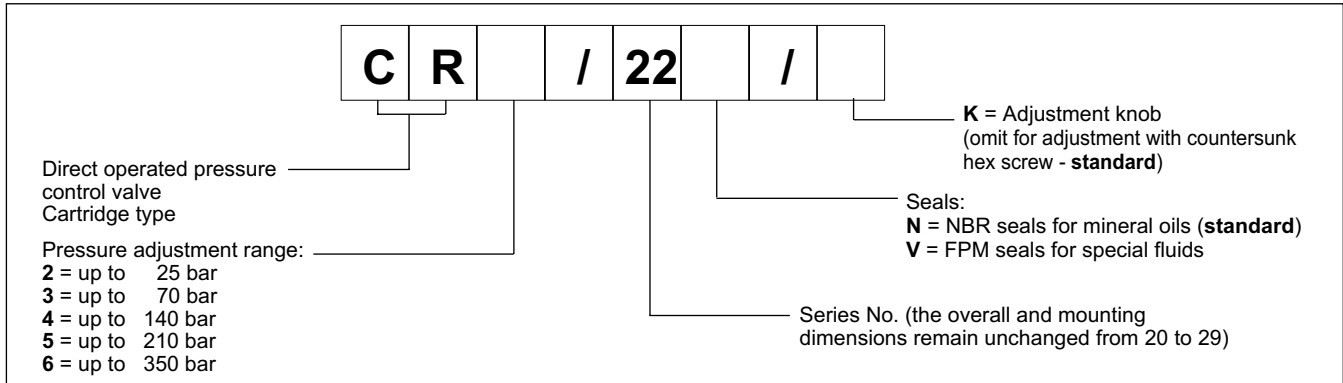
Max working pressure	bar	350
Minimum controlled pressure and pressure drop	see diagram	
Maximum flow rate	l/min	50
Ambient temperature range	°C	-20 / +50
Fluid temperature range	°C	-20 / +80
Fluid viscosity range	cSt	10 ÷ 400
Fluid contamination degree	According to ISO 4406:1999 class 20/18/15	
Recommended viscosity	cSt	25
Mass	kg	0,16
Surface treatment:electrolytic zinc covering	Fe // Zn 8 // B EN 12329	

HYDRAULIC SYMBOL

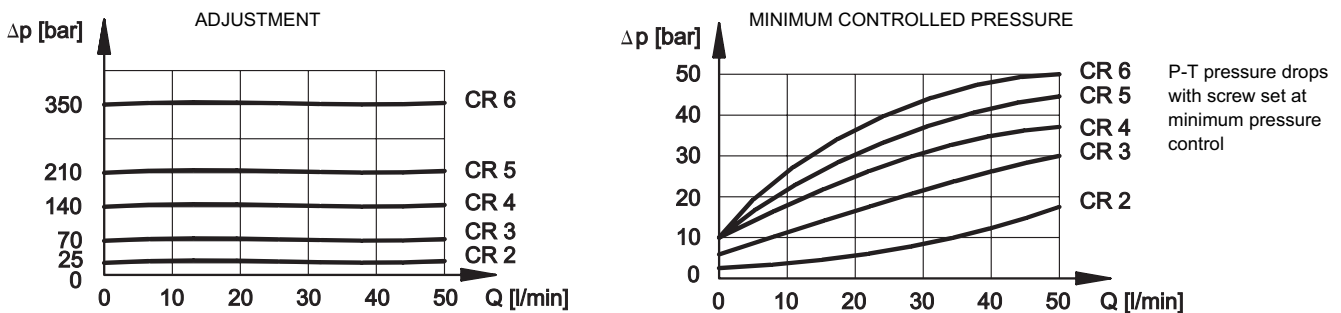




1 - IDENTIFICATION CODE



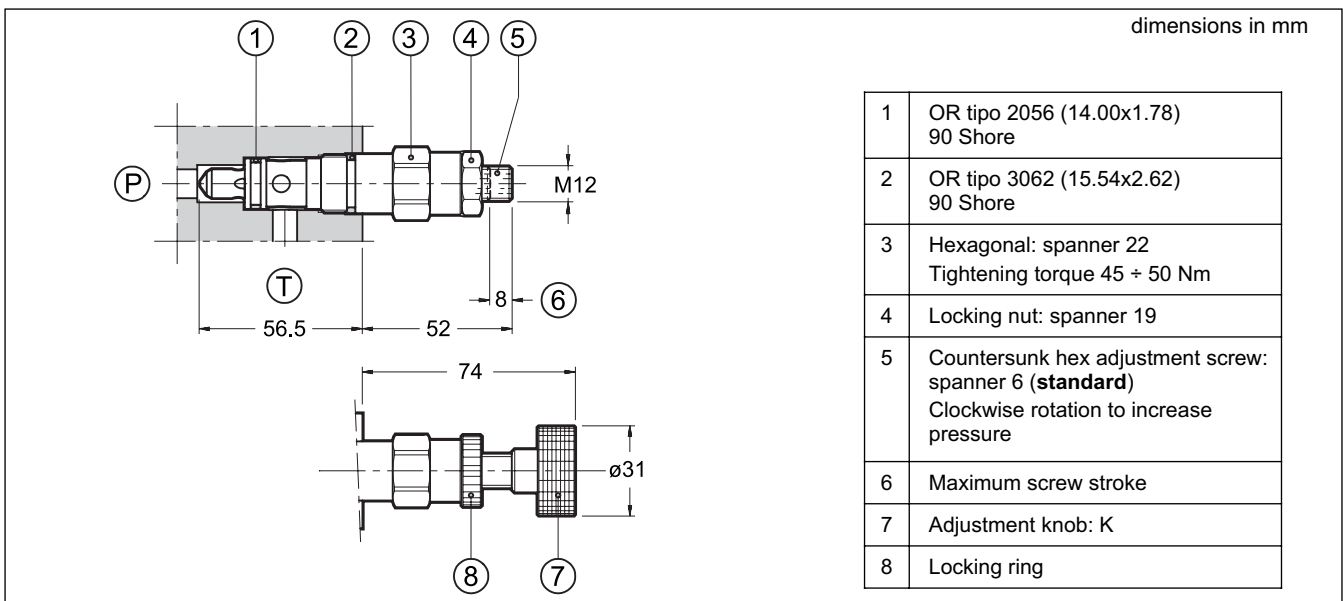
2 - CHARACTERISTIC CURVES (values obtained with viscosity of 36 cSt at 50°C)



3 - HYDRAULIC FLUIDS

Use mineral oil-based hydraulic fluids HL or HM type, according to ISO 6743-4. For these fluids, use NBR seals (code N). For fluids HFDR type (phosphate esters) use FPM seals (code V). For the use of other kinds of fluid such as HFA, HFB, HFC, please consult our technical department. Using fluids at temperatures higher than 80 °C causes a faster degradation of the fluid and of the seals characteristics. The fluid must be preserved in its physical and chemical characteristics.

4 - OVERALL AND MOUNTING DIMENSIONS



DIPLOMATIC OLEODINAMICA SpA
 20025 LEGNANO (MI) - P.le Bozzi, 1 / Via Edison
 Tel. 0331/472111-472236 - Fax 0331/548328