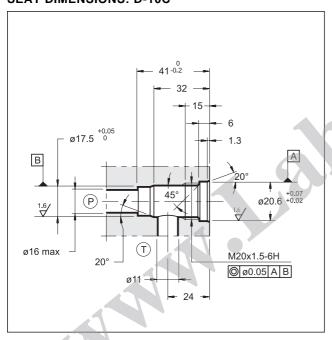




SEAT DIMENSIONS: D-10C



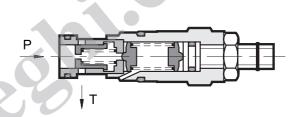
PILOT OPERATED PRESSURE CONTROL VALVE SERIES 12

CARTRIDGE TYPE

p max 350 bar

Q max 100 l/min

OPERATING PRINCIPLE

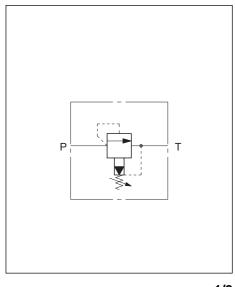


- The CRQ valve is a pilot operated pressure control valve cartridge type that can be used in blocks or panels with D-10C type seat.
- It is normally used to control the hydraulic circuit pressure and allows use of the entire flow of the pump even at pressure values near the set value.
- It is available in four different pressure control ranges up to 350 bar.
- It consists of a main balanced type spool and a pilot stage. The main spool, normally closed, opens when the circuit pressure exceeds the set value generated by the pilot stage, discharging the excess flow in port T, directly connected to the reservoir.
- The pressure is adjustable with a screw, usually supplied as the countersunk hex type, equipped with locking nut and with maximum adjustment limiter.

PERFORMANCE RATINGS (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	100
Ambient temperature range	°C	−20 ÷ +50
Fluid temperature range	°C	−20 ÷ +80
Fluid viscosity range	cSt	10 ÷ 400
Recommended viscosity	cSt	25
Fluid contamination degree	According to NAS 1638 class 10	
Mass	kg	0.16
Surface treatment with white colour zinc	Fe / Zn 8c 1B UNI ISO 2081/4520	

HYDRAULIC SYMBOL

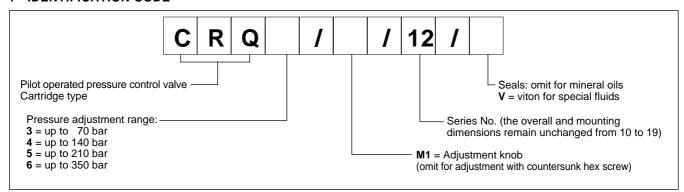


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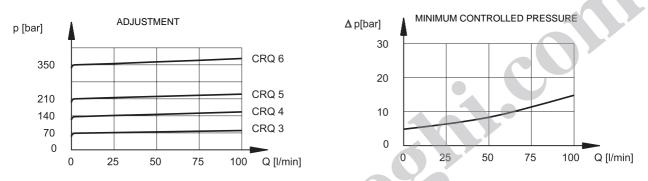




1 - IDENTIFICATION CODE



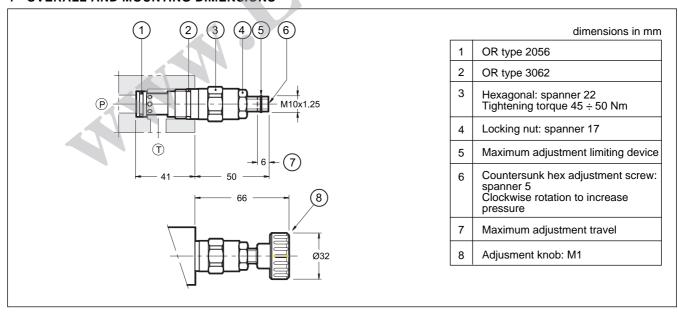
2 - CHARACTERISTIC CURVES (values obtained with viscosity of 36 cSt at 50°C)



3 - HYDRAULIC FLUIDS

Use mineral oil-based hydraulic fluids, with the addition of suitable anti-frothing and anti-oxidizing agents. For the use of other types (water glycol, phosphate esters and others), please consult our technical department.

4 - OVERALL AND MOUNTING DIMENSIONS





DUPLOMATIC OLEODINAMICA SpA

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