

RQ**-P

UNLOADING VALVE

(FOR CIRCUITS WITH ACCUMULATOR)

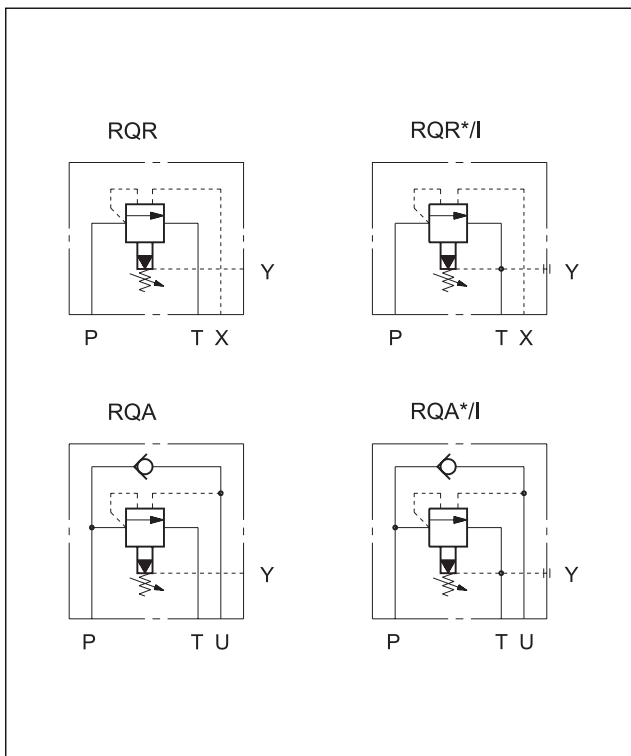
SERIES 42

RQR*-P
FOR REMOTE PILOTING

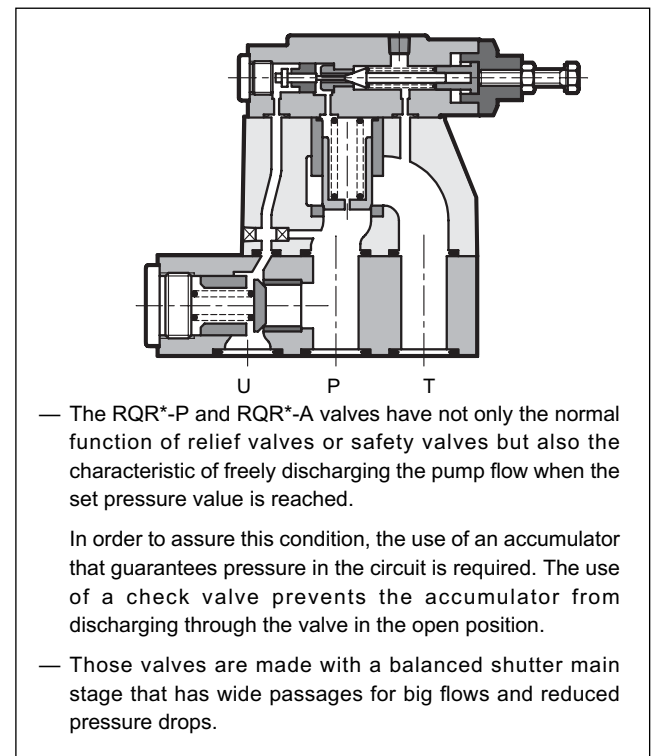
RQA*-P
WITH INCORPORATED CHECK VALVE

SUBPLATE MOUNTING

HYDRAULIC SYMBOLS



OPERATING PRINCIPLE



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

		RQR3-P	RQR5-P	RQR7-P	RQA5-P	RQA7-P
Maximum operating pressure	bar	350			320	
Maximum flow rate	l/min	200	400	500	400	500
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	3,5	4,3	6,5	10,4	19



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SERIES 42

1 - IDENTIFICATION CODE

R	Q			-	P	/	/	/	/	42	/	
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Unloading valve —

automated unloading
for circuits with accumulator
R = for remote piloting
A = with incorporated
check valve (size 3 excluded)

Size: _____
 3 = RQR3-P ISO 6264-06-09-*-97 (CETOP R06)
 5 = RQR5-P ISO 6264-08-13-*-97 (CETOP R08)
 5 = RQA5-P
 7 = RQR7-P ISO 6264-10-07-*-97 (CETOP R10)
 7 = RQA7-P

Subplate mounting —

Pressure adjustment range: _____
 3 = up to 70 bar
 5 = up to 210 bar
 6 = up to 350 bar
 7 = up to 350 bar (pour RQR*-P)
 7 = up to 320 bar (pour RQA*-P)

Seals: omit for mineral oils
 V = viton for special fluids

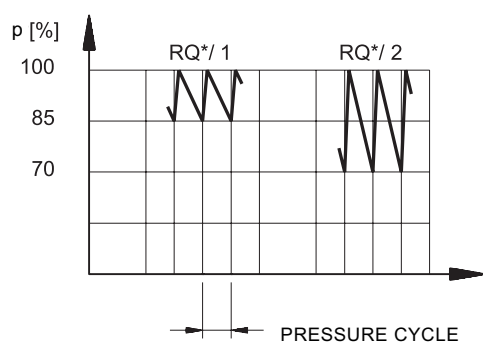
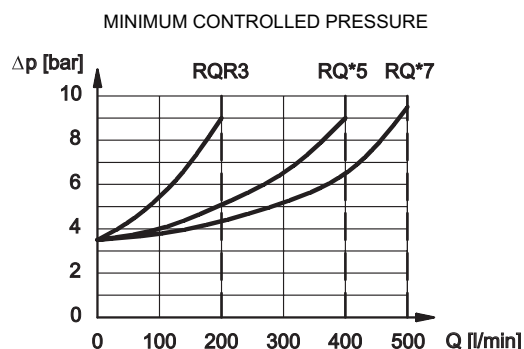
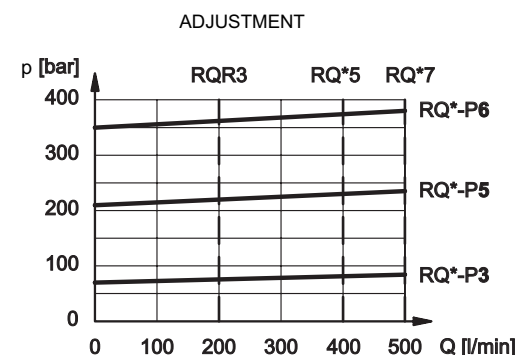
Series No.
 (the overall and mounting
 dimensions remain
 unchanged from 40 to 49)

M = adjustment with SICBLOC knob
 (omit for adjustment with hexagonal
 head screw)

I = internal drainage (not possible when the
 back pressure on the return line is greater
 than 2 bar). Omit for external drainage.

1 = pump switch on at 85% of the set value
 2 = pump switch on at 70% of the set value

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

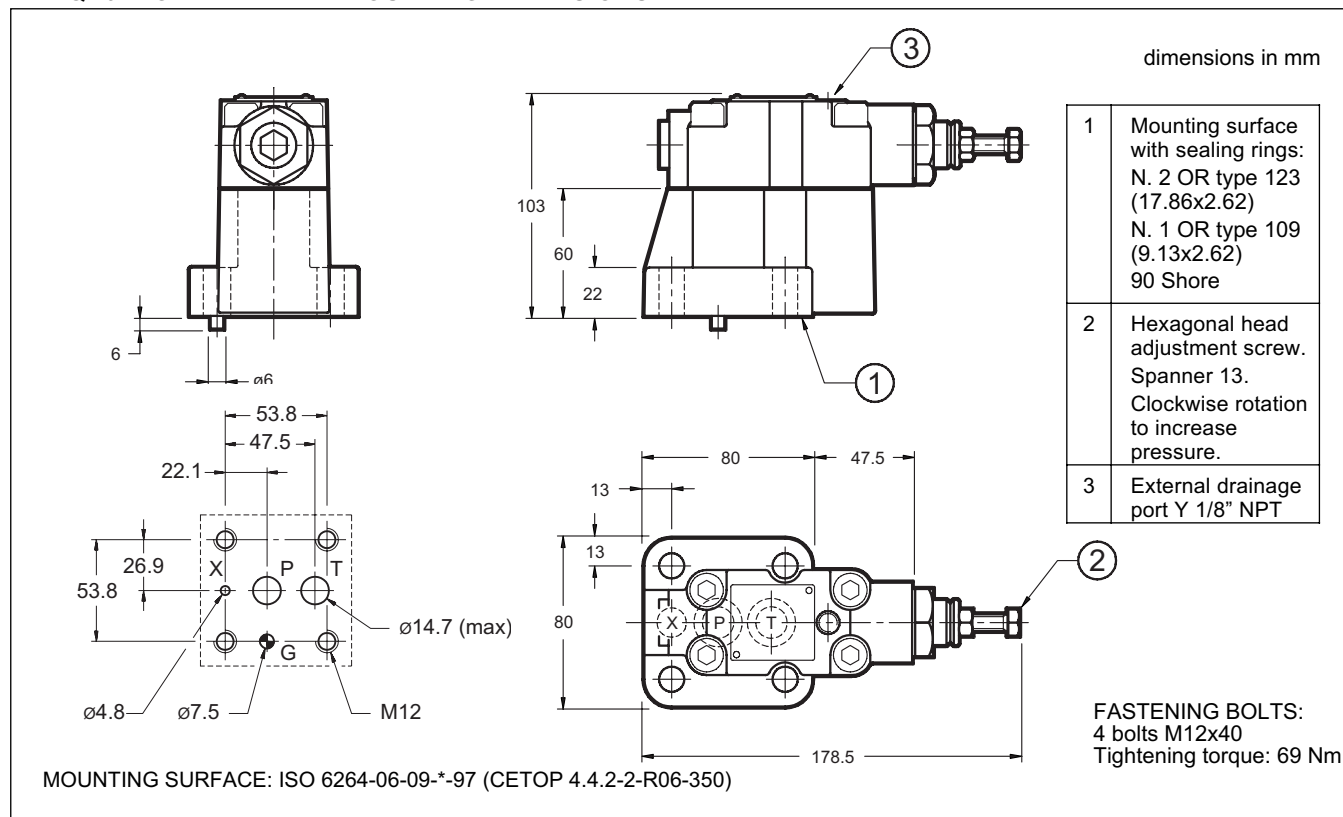


3 - HYDRAULIC FLUIDS

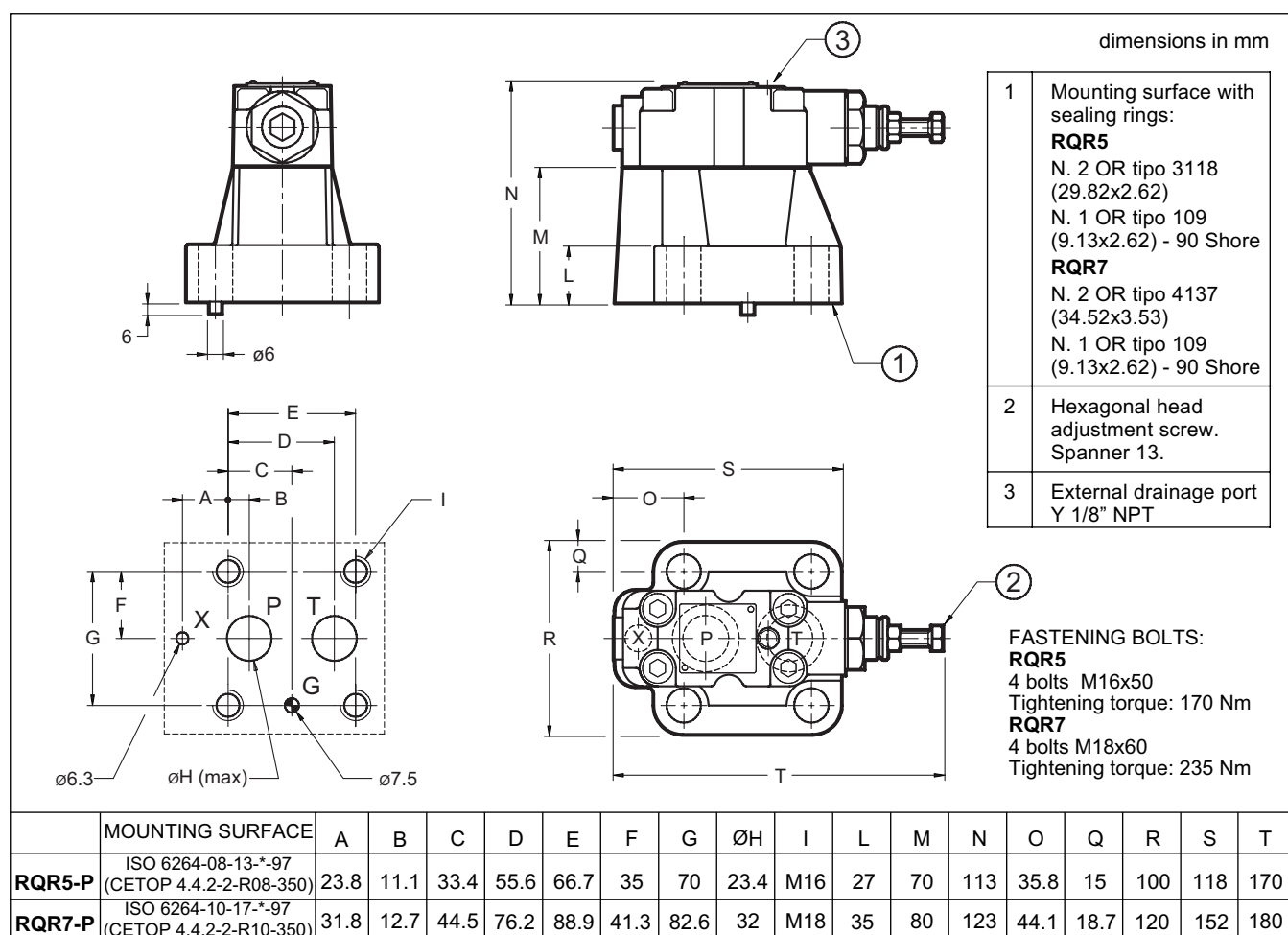
Use mineral oil-based hydraulic fluids HL or HM type, according to ISO 6743-4. For these fluids, use NBR seals. For fluids HFDR type (phosphate esters) use FPM seals (code V). For the use of other kinds of fluid such as HFA, HFB, HFC, please consult our technical department. Using fluids at temperatures 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 - RQR3-P OVERALL AND MOUNTING DIMENSIONS



5 - RQR5-P and RQR7-P OVERALL AND MOUNTING DIMENSIONS

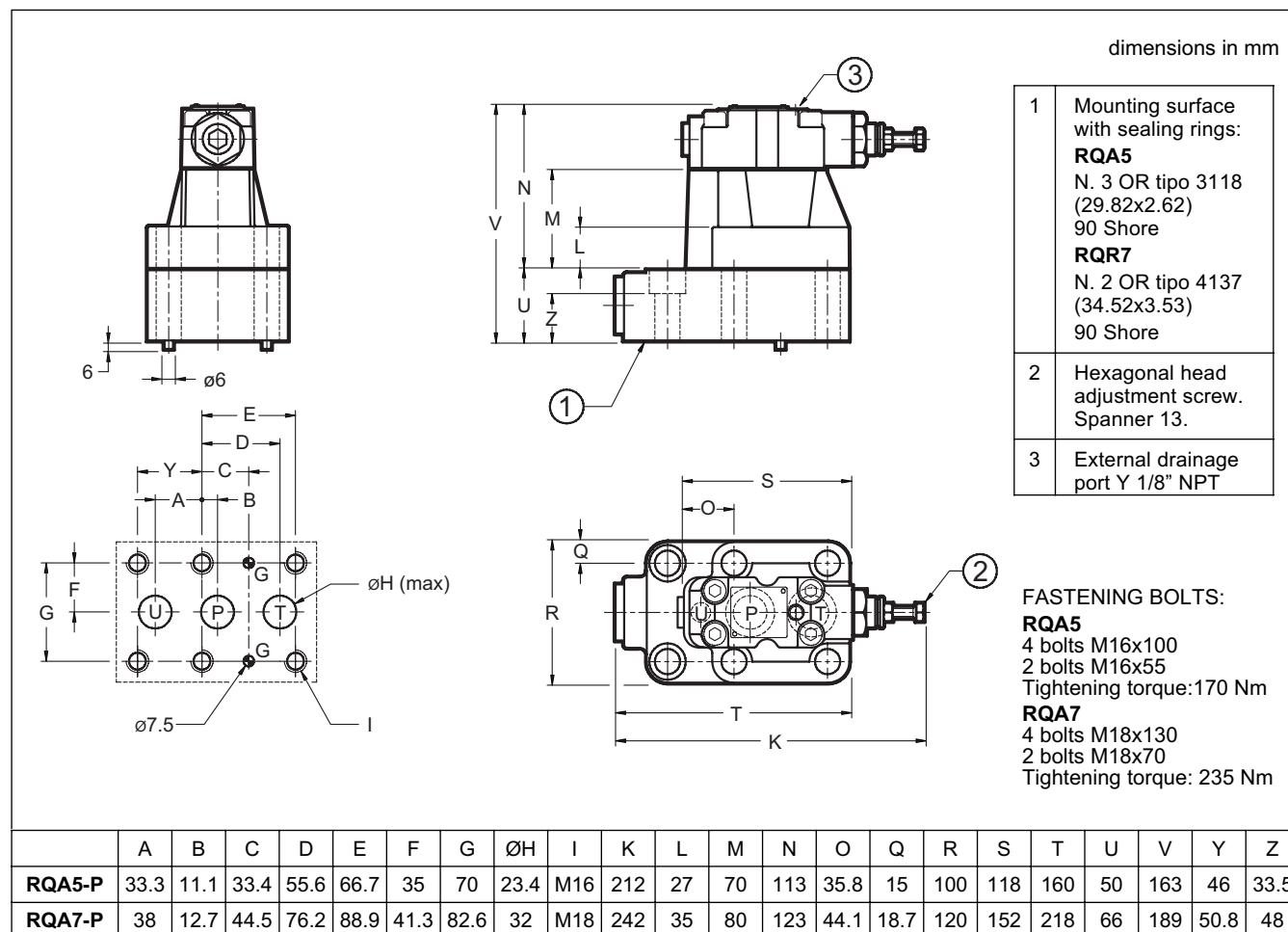




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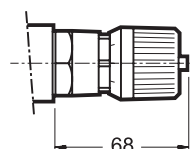
SERIES 42

6 - RQA5-P and RQA7P OVERALL AND MOUNTING DIMENSIONS



7 - ADJUSTMENT KNOB

The RQ valves can be equipped with a SICBLOC adjustment knob.
 To operate it, push and rotate at the same time.
 To request this option, add: /M (see paragraph 1).



8 - SUBPLATES (see catalogue 51 000)

	RQR3-P	RQR5-P	RQR7-P	RQA5-P	RQA7-P
Type	PMRQ3-AI4G rear ports	PMRQ5-AI5G rear ports	PMRQ7-AI7G rear ports	PMRQA5-AI5G rear ports	PMRQA7-AI7G rear ports
Port dimension P T U	1/2" BSP	1" BSP	1" 1/4 BSP	3/4" BSP	1" 1/4 BSP
Port dimension X	1/4" BSP	1/4" BSP	1/4" BSP	—	—

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