DUPLOMATIC
HYDRAULICS

RPC1*/4M

FLOW CONTROL VALVE

SERIES 10

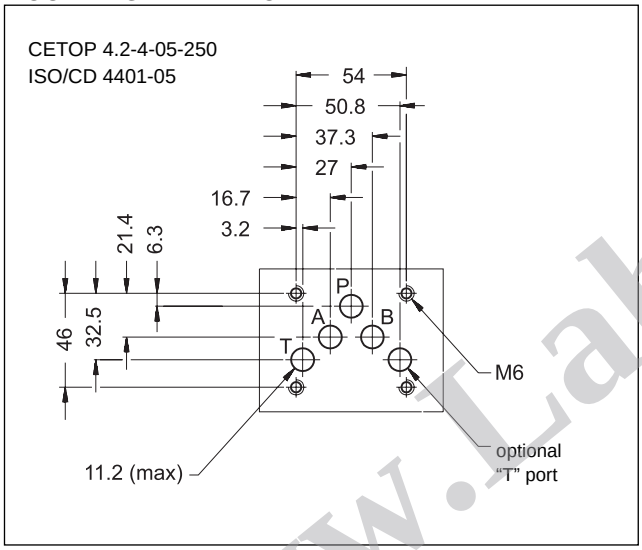
MODULAR VERSION

CETOP 05

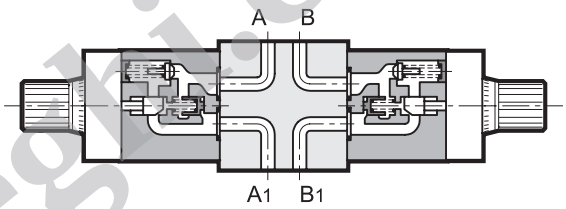
p max **250** bar

Q max (see performance ratings table)

MOUNTING INTERFACE



OPERATING PRINCIPLE



— The RPC1*/4M valve is a flow control valve with pressure and temperature compensation, made as a modular version with mounting surface according to the CETOP and ISO standards.

— It can be assembled quickly under the CETOP 05 directional solenoid valves and allows easy execution of hydraulic circuits where speed control of the actuators is required.

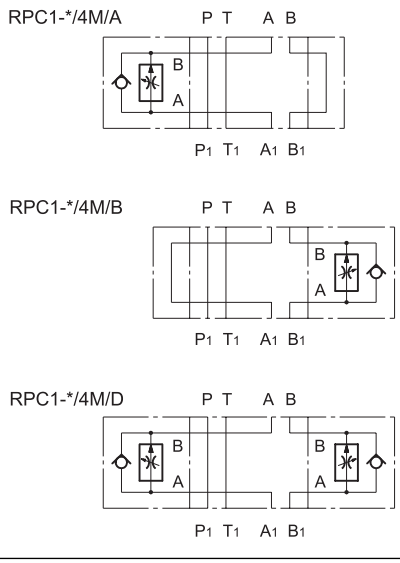
— It is available in six flow adjustment ranges up to 30 l/min.

CONFIGURATIONS (see Hydraulic symbols table and Identification Code - par. 1)

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

Maximum operating pressure	bar	250
Maximum flow rate in the controlled lines	l/min	1-4-10-16-22-30
Maximum flow rate in the free lines	l/min	100
Reverse free flow maximum flow rate	l/min	40
Ambient temperature range	°C	–20 ÷ +50
Fluid temperature range	°C	–20 ÷ +80
Fluid viscosity range	cSt	10 ÷ 400
Recommended viscosity	cSt	25
Degree of fluid contamination	According to NAS 1638 class 10	
Mass: RPC1*/4M/ A-B	kg	4,6
RPC1*/4M/ D		5,6
only modular block CETOP 05		
without flow control valves:		
RPC1-K/4M/D		3

HYDRAULIC SYMBOLS



NOTE: for detailed information regarding the RPC1 flow control valve, see catalogue 32 200

1 - IDENTIFICATION CODE

R	P	C	1	-		/	4	M	/		/	10	/	

Flow control valve with pressure and temperature compensation

Flow adjustment range:
1 = 1 l/min **16** = 16 l/min
4 = 4 l/min **22** = 22 l/min
10 = 10 l/min **30** = 30 l/min
K = only for CETOP 05 modular block supplied without flow control valves

Modular version CETOP 05 size

A = control from chamber A of the actuator
B = control from chamber B of the actuator
D = control from chambers A and B of the actuator
(A and B configurations are not available in K version)

Series No. (the overall and mounting dimensions remain unchanged from 10 to 19)

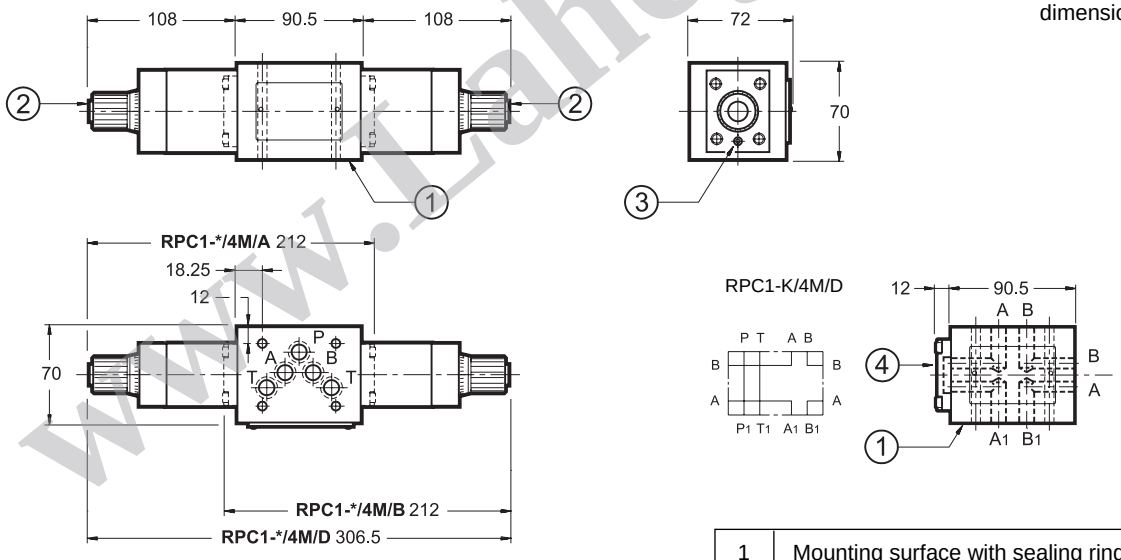
Seals: omit for mineral oils
V = viton for special fluids

2 - 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.

3 - OVERALL AND MOUNTING DIMENSIONS

dimensions in mm



1	Mounting surface with sealing rings: 5 OR type 2050
2	Adjustment knob. Adjustment in 3 turns of the knob. Rotate anticlockwise to increase flow.
3	Knob locking screw
4	Side locking plate

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