



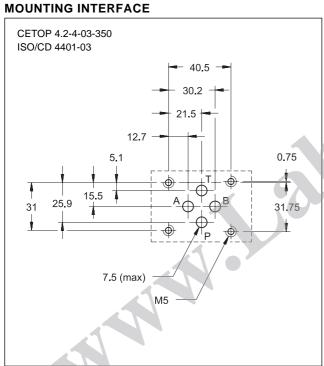
PBM3 **BACKPRESSURE VALVE SERIES 10**

MODULAR VERSION

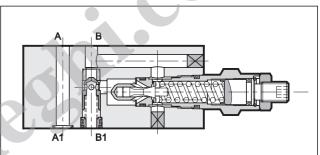
CETOP 03

p max **350** bar

Q max (see performance ratings table)



OPERATING PRINCIPLE

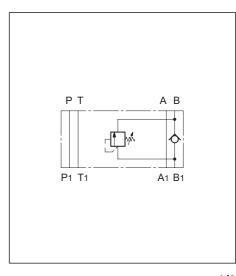


- The valve PBM3 is a direct operated three-way pressure regulator, developed as a modular version with mounting surface according to the CETOP and ISO standards.
- Its aim is to adjust the output backpressure coming from the actuator, so as to allow the input free flow.
- It is normally used on vertically mounted cylinders where the cancellation of a load weighting on the road of the same cilinder is needed.

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

Max. operating pressure	bar	350
Check valve cracking pressure	bar	3,5
Max. flow on check valve B→B1 (Δp 8bar)	l/min	50
Max. flow rate in the controlled line B1→B	l/min	40
Max. flow rate in the free lines P, A, T	l/min	75
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	kg	1,6

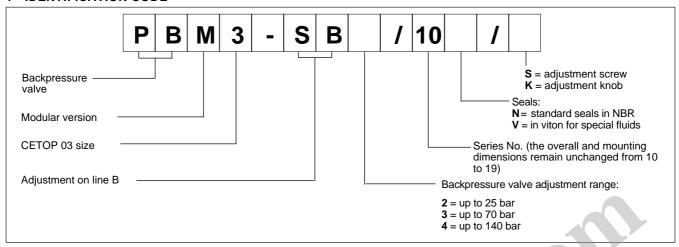
HYDRAULIC SYMBOL



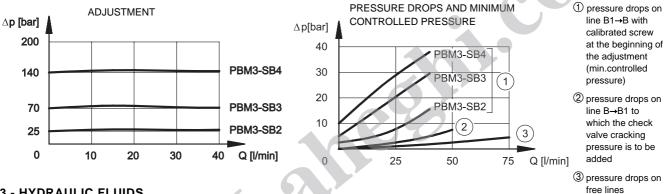
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1 - IDENTIFICATION CODE



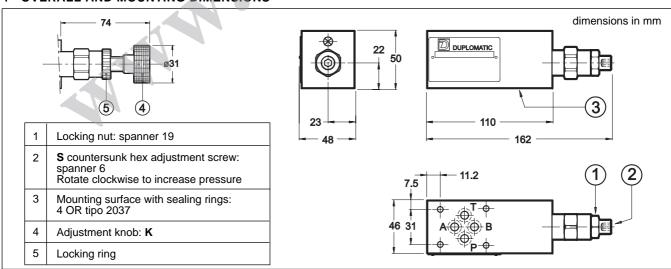
2 - CHARACTERISTIC CURVES (values obtained with viscosity of 36 cSt at 50°C)



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





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