

EVPR-05 Series



Technical specification

Application:

Pilot operated pressure reducing valve

Size:

ND10 – ISO 4401-05 (CETOP05)

Flow rate:

max. 80 l/min in controlled line P

max. 100 l/min in free lines

Pressure:

max. 320

Ambient temperature range:

-20 to 50 °C

Fluid temperature range:

-20 to 80 °C

Fluid viscosity range:

10 to 400 cSt

Recommended viscosity:

25 cSt

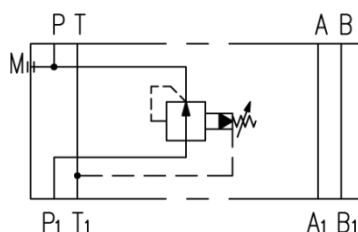
Fluid contamination degree:

according to ISO 4406:1999 class 20/18/15

Weight:

max. 2.7 kg

Hydraulic symbol:



Order information

Valve assembly part number

Valve					Accessories	
Type	Size	Configuration	Pressure range	Seal	Option	
EVPR	05	Table 1	Table 2	Table 3	Table 4	
Example EVPR	- 05	P	210	- B	00	

Tables

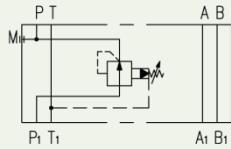
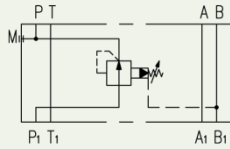
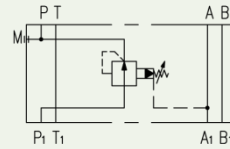
Table 1					
Code	Configuration	Code	Configuration	Code	Configuration
P		A		B	
	Reduction on line P		Reduction on line A		Reduction on line B

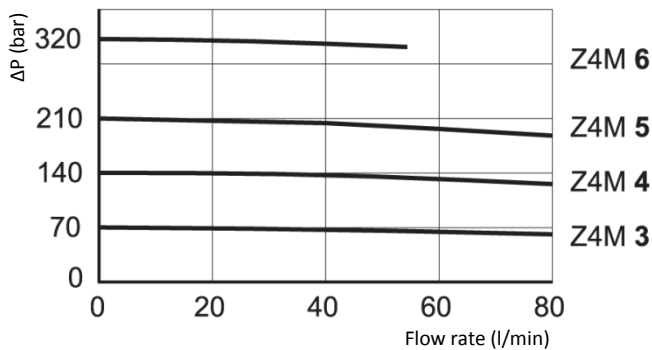
Table 2	
Code	Pressure adjustment range
70	5 – 70 bar
140	8 – 140 bar
210	10 – 210 bar

Table 3	
Code	O-ring material
B	Buna
V	Viton

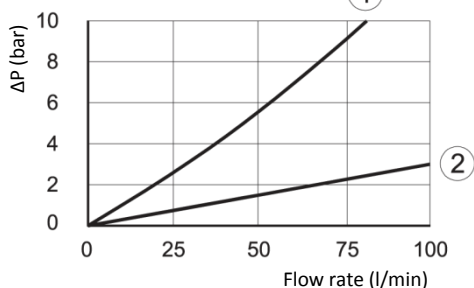
Table 4	
Code	Option
00	Standard
AK	Adjustment knob

Characteristics (fluid viscosity 36 cSt at 50°C)

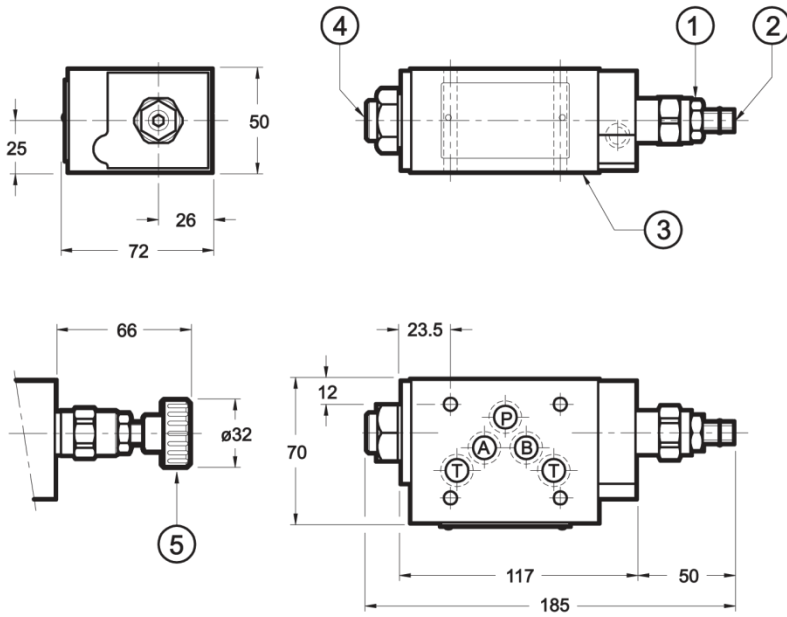
Adjustment



Pressure drop



Dimensional drawings (in mm)



Description

1	Locking nut; spanner 17
2	Countersunk hex adjustment screw; spanner 5; rotate clockwise to increase pressure
3	Mounting surface with sealing O-rings: N.5 O-ring type 2050 (12.42 x 1.78 mm) – 90 shore
4	Pressure gauge port ¼" BSP
5	Adjustment knob (AK option); rotate clockwise to increase pressure

Use mineral oil-based hydraulic fluids type HL or HM according to ISO 6743-4 in combination with NBR seals; for HFDR type fluids (phosphate esters) use FPM seals.