

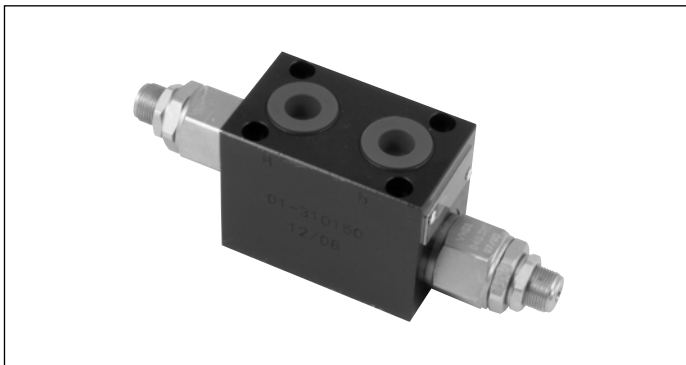
Flangeable elements with secondary pressure relief valves single or double

EDM-VM

RE 18301-41

Edition: 02.2016

Replaces: 06.2015

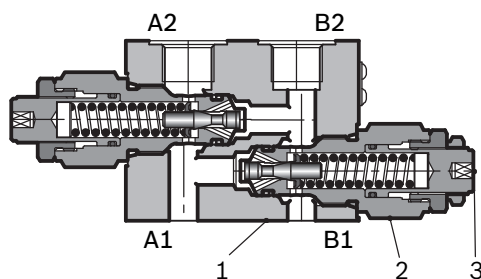


Description

The secondary flangeable elements EDM-VM-__ can be interfaced and bolted on top of the A and B ports of the ED elements of the Directional Valve Assembly.

The body (**1**) is made of black anodized aluminium, and it incorporates one or two direct acting pressure relief valves (**2**), fitted with cross-over configuration: the relief valve for line A releases the oil into line B and viceversa

The maximum secondary pressure in line A, or B, can be adjusted through the adjuster screw (**3**).



Technical data

General		
Weight	kg (lbs)	0.79 (1.75)
EDM-VM-AB		
Weight	kg (lbs)	0.61 (1.36)
EDM-VM-0A (EDM-VM-0B)		
Ambient Temperature	°C (°F)	-20....+50 (-4....+122) (NBR seals)
Hydraulic		
Maximum pressure	bar (psi)	250 (3625)
Maximum flow	l/min (gpm)	50 (13.2)
Hydraulic fluid	Mineral oil based hydraulic fluids HL (DIN 51524 part 1).	
General properties: it must have physical lubricating and chemical properties suitable for use in hydraulic systems such as, for example:	Mineral oil based hydraulic fluids HLP (DIN 51524 part 2).	
	For use of environmentally acceptable fluids (vegetable or polyglycol base) please consult us.	
Fluid Temperature	°C (°F)	-20....+80 (-4....+176) (NBR)
Permissible degree of fluid contamination	ISO 4572: $\beta_x \geq 75$ $X=10...12$	
	ISO 4406: class 19/17/14	
	NAS 1638: class 8	
Viscosity range	mm ² /s	5....420

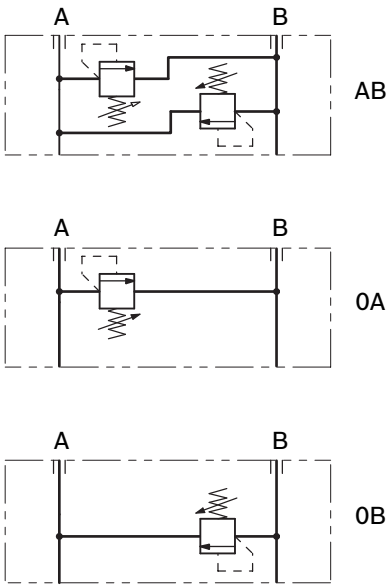
Note

For applications with different specifications consult us

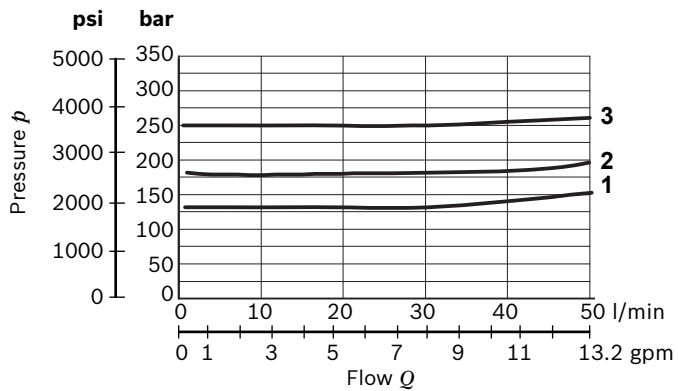
Ordering details

01	02	03	04	05	06	07
L	88	60			00	0 0
Family						
01	Directional Valve elements ED					L
Model						
02	Flangeable element secondary valves					88
Type						
03	Secondary pressure relief					60
Configuration						
04	Pressure relief for both A and B ports					02AB
	Pressure relief for port A only					020A
	Pressure relief for port B only					020B
Pressure adjustment						
05	Relief cartridge with adjuster screw					S
	Relief cartridge with hand-knob					K
Pressure range						
06	25-120 bar (360-1740 psi)					N
	40-200 bar (580-2900 psi)					B
	150-350 bar (2175-5075 psi)					V
Ports						
07	G 3/8 DIN 3852					0

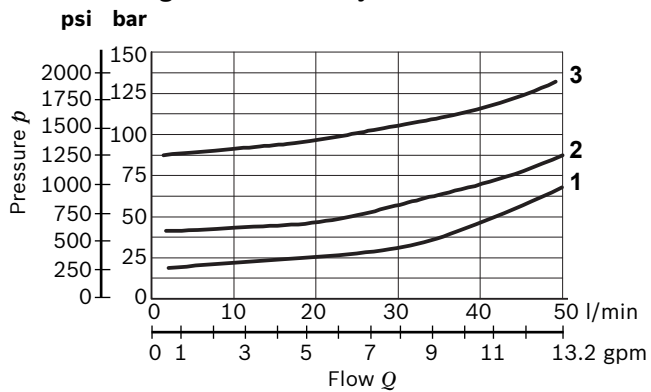
Symbols



Characteristic curves



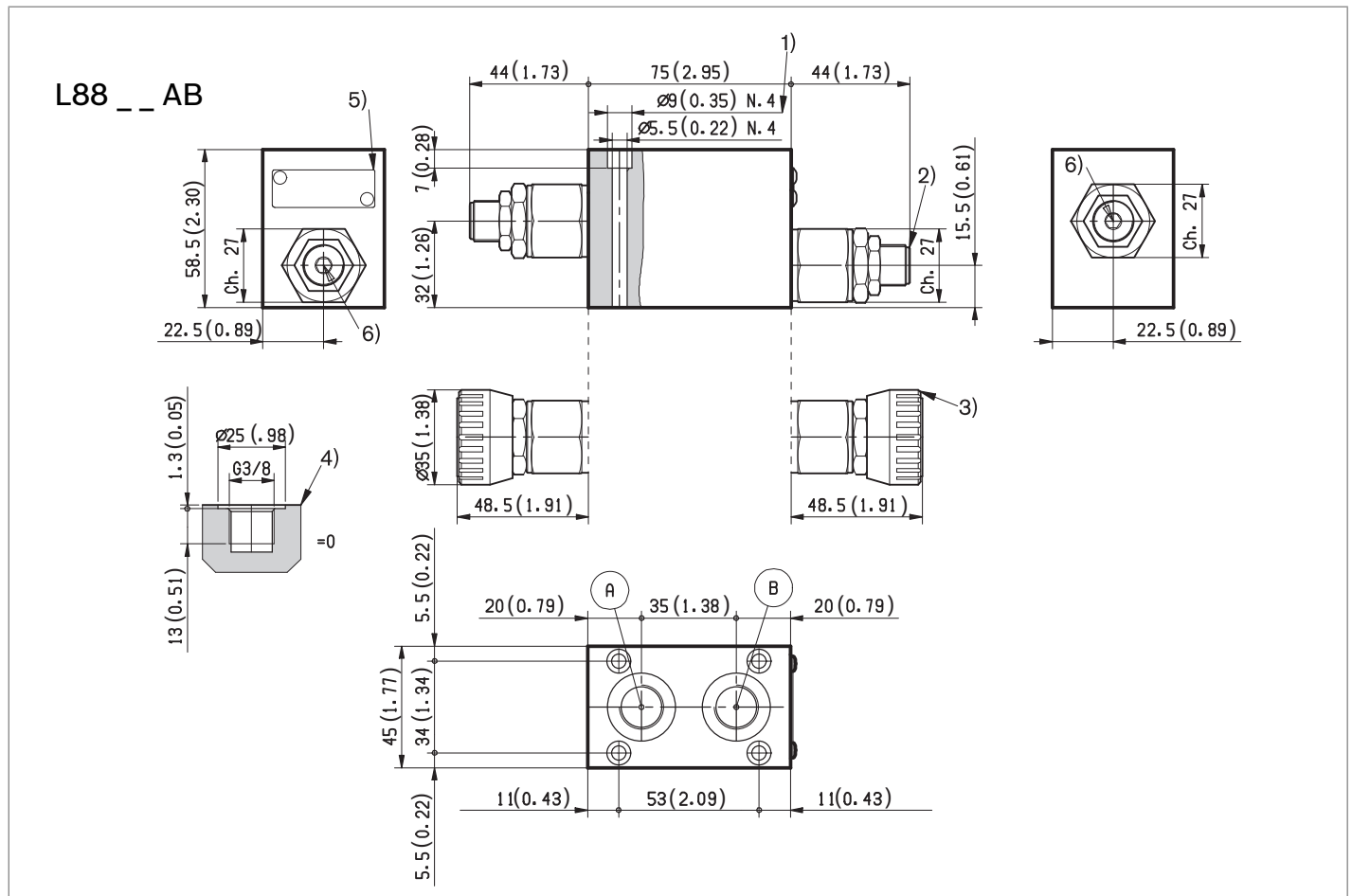
Pressure range and lowest adjustable level

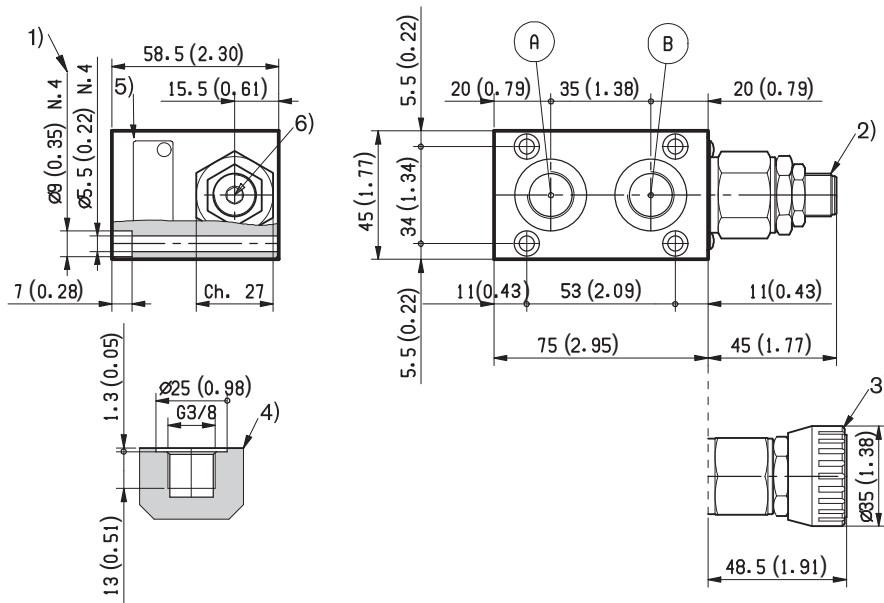
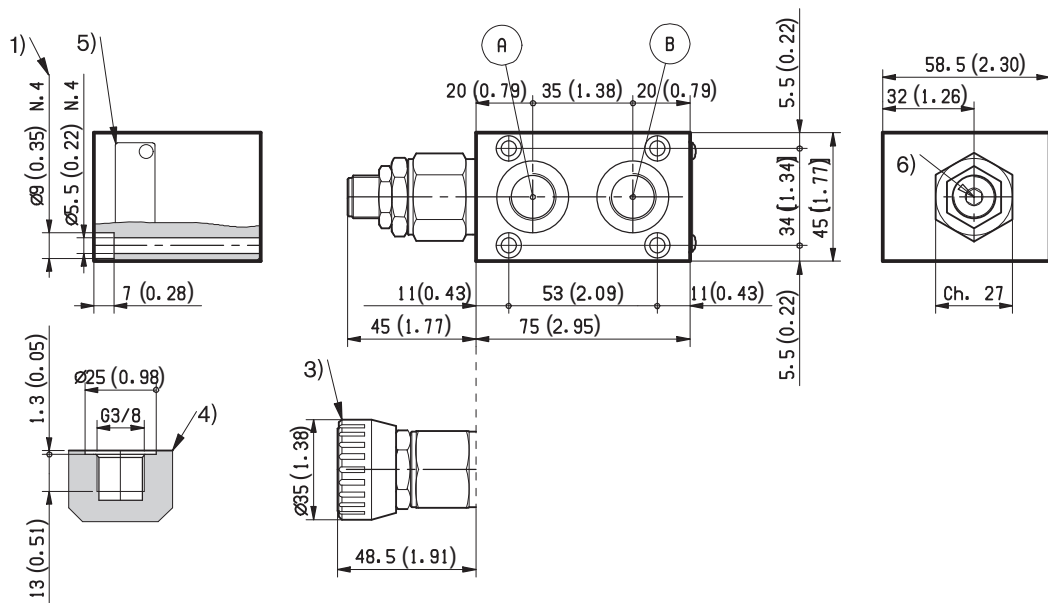


Pressure range	Curve no.
N (25-120 bar) (360-1740 psi)	1
B (40-200 bar) (580-2900 psi)	2
V (150-350 bar) (2175-5075psi)	3

Measured with hydraulic fluid ISO-VG32 at 45° ±5 °C
(113° ±9 °F); ambient temperature 20 °C (68 °F).

External dimensions and fittings



L88 __ 0A**L88 __ 0B**

- 1 Four through holes $\varnothing 5.5$ mm (0.217 inch) for screws and tightening torques see data sheet RE 18301-90.
- 2 Pressure relief cartridge with adjuster screw.
- 3 Pressure relief cartridge with hand-knob type VMD1040 refer to RE 18301-91

- 4 A and B ports.
- 5 Identification label.
- 6 Hex 5 mm (0.2 inch) for setting pressure relief valves.

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Subject to change.