

REGENERATIVE VALVES



VRSP

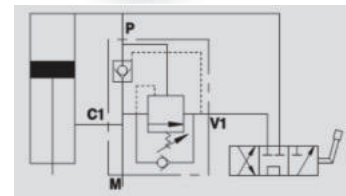
Flow Upto 95 LPM
Pressure 350 Bar



Description & Operation

This valve allows to recover the oil from the rod to port C1 connected to the rod side and pass it to the head side of the cylinder via port P, therefore adding it to the pump flow rate. When the cylinder head side pressure achieves the setting valve, oil from the rod side is sent to tank through port V1, restoring a no-regenerative system with maximum force. The shut off pressure of the regenerative circuit depends only on the head side of the cylinder.

Connect C1 to the cylinder rod side, V1 to the pressure flow P to the cylinder head side and to the pressure flow, M to the pressure gauge if required.



Hydraulic Symbol



Technical Data

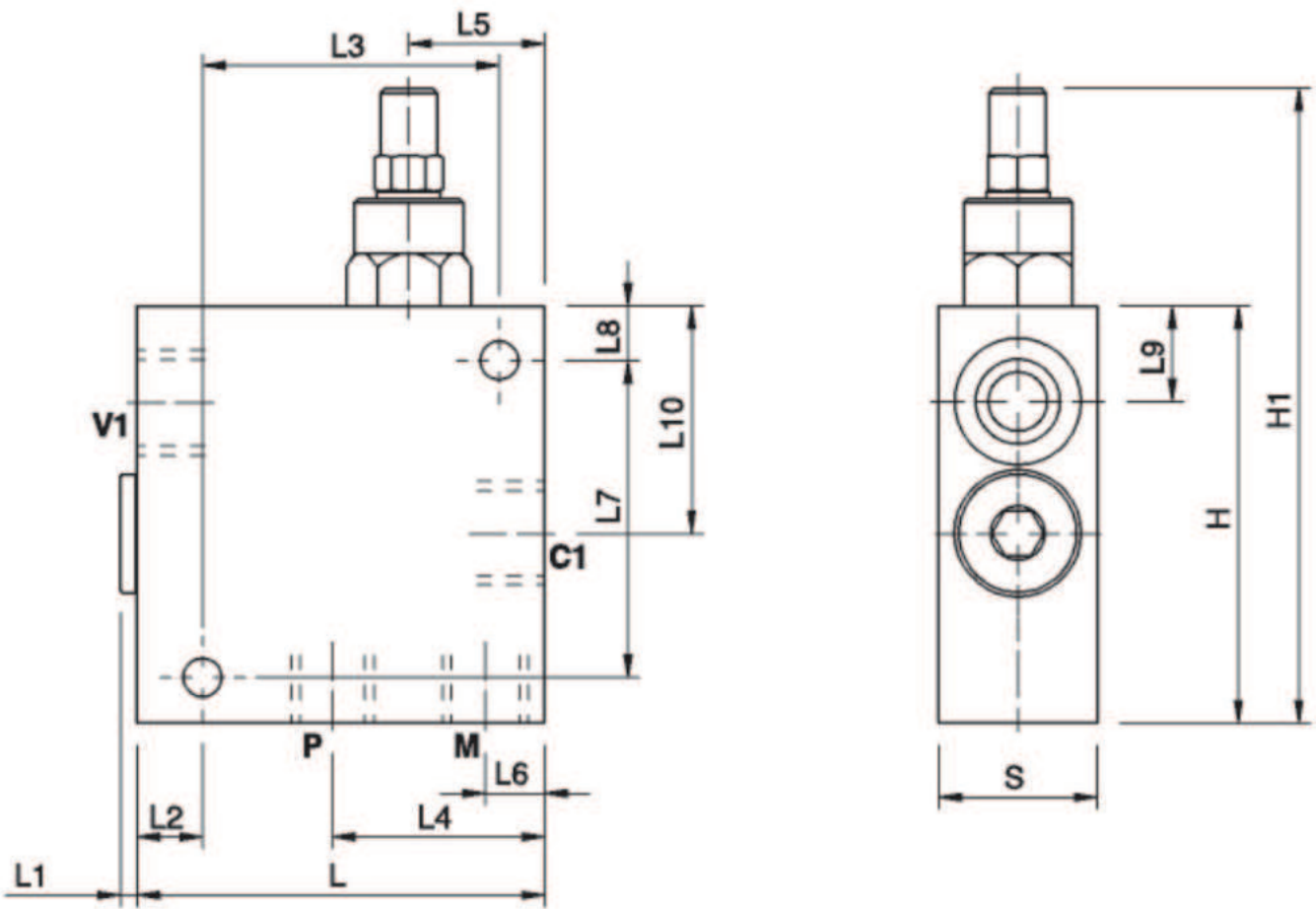
Maximum Flow	95 LPM
Max. Operating Pressure	350 Bar
Body Material	Steel
Internal Parts	Hardened and Ground steel
External Component treatment	Zn/Fe - standard (96h) / Zn/Ni (720h)
Oil Temperature	50 Deg. C
Fluids	Mineral based or synthetics with lubricating properties
Viscosity	30 cSt
Standard Sealing	NBR-Buna N
Filtration	20/18/15 ISO 4406 (Max. Filtration admitted)
Orientation / Mounting	Inline
Weight	See Ordering details



Specifications

Type	Pilot Ratio	Max Flow	Pressure Range	Max Pressure
		LPM	Bar	Bar
VRSP 1/2"	1:4.5	60	50-100	350
VRSP 3/4"	1:5.5	95	60-110	350

 Dimensional Drawing



 Ordering Details

Code	Type	V1-V2/C1-C2		L	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	H	H1	S	Weight
		GAS	Gas															
R-VI220	VRSP 1/2"	G 1/2"	G 1/4"	90	4	10	70	99.5	30	16	70	12	21	50	92	142	35	2.026
R-VI230	VRSP 3/4"	G 3/4"	G 1/4"	105	4	10	85	59	37	20	85	12	22	62.5	120	177	40	3.496

DUAL CROSS RELIEF VALVES