

# LOW UNLOADINGS VALVES FLANGEABLE ON LOW PRESSURE PUMP



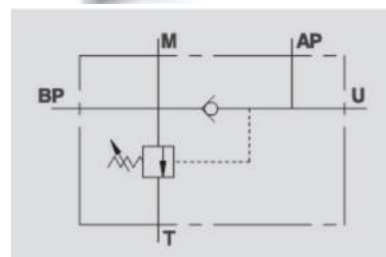
## VEP FLP

**Flow Upto 60 LPM**  
**Pressure 320 Bar**

### Description & Operation

In a circuit which uses two parallel pump, this valve unloads the larger pump to tank once the pressure setting of BP has been reached. From this point the circuit will only be supplied by the smaller pump at a higher pressure AP, therefore consuming less energy. The valve body has been designed for direct flange mounting onto the low flow pump. To limit the pressure of the high flow pump use an inline relief valve or the main relief valve on the spool valve.

Flange BP onto the higher flow pump, connect AP to the lower flow pump, T to the tank, M to the eventual manometer and U to the hydraulic circuit.



Hydraulic Symbol

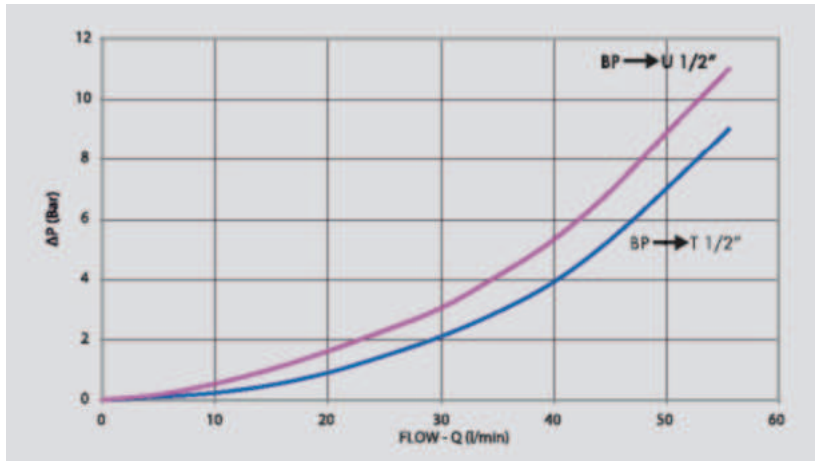
### Technical Data

Maximum Flow	60 LPM
Maximum Pressure	320 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

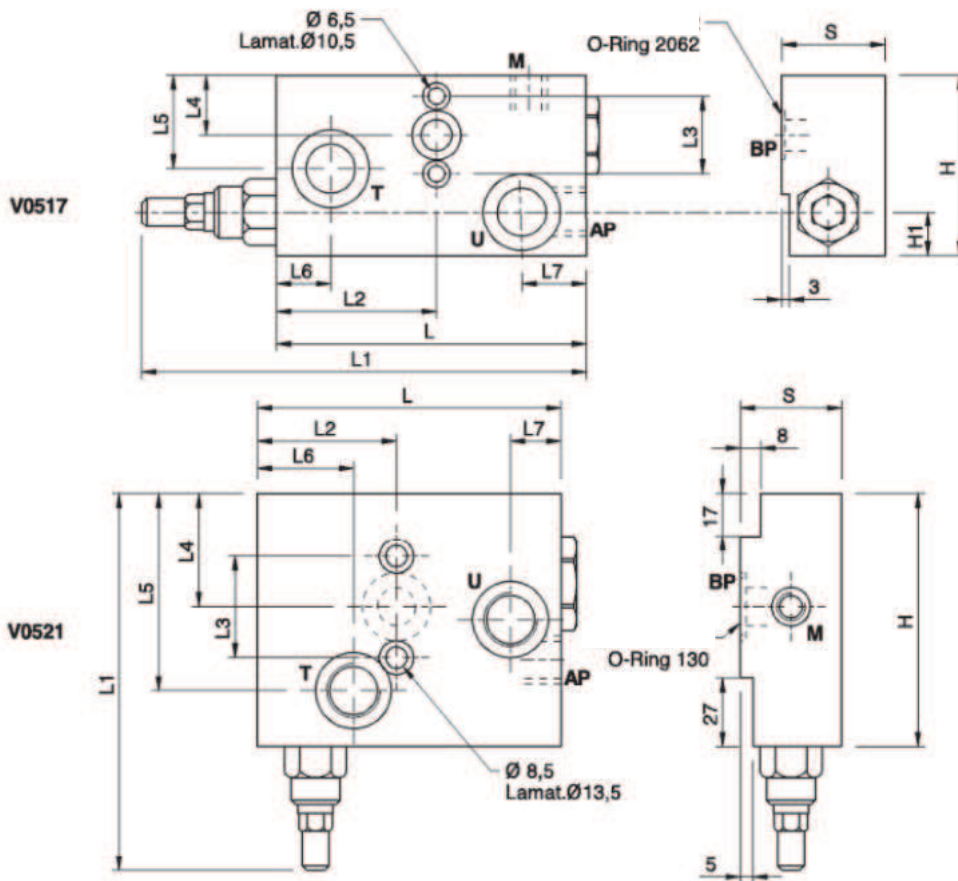
### Specifications

Type	Max.Flow			Max.Pressure		Weight Kg
	LPM			Bar		
	AP	BP	T	AP	BP	
VEP FLP 1/2"	20	40	60	320	80	2.300
VEP FLP 1/2" IFF 40	20	40	60	320	80	3.170

 Performance Curve



 Dimensional Drawing



 Ordering Details

Code	Type	AP	BP	M	T-U	L	L1	L2	L3	L4	L5	L6	L7	L8	H1	H	S
		GAS	mm	GAS	GAS	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
R-V0517	VEP FLP 1/2"	G 3/8"	11	G 1/4"	G 1/2"	120	170	61	30	23	36	21	25	17	24	70	40
R-V0513	VEP FLP 1/2" IFF 40	G 3/8"	15	G 1/8"	G 1/2"	120	150	55	40	45	78	38	20	34	/	100	40