

# LINE MOUNT VALVES

## FLOW REGULATOR

### VPR/3/ET Series

Three port pressure compensated valve, excess flow port must go to tank

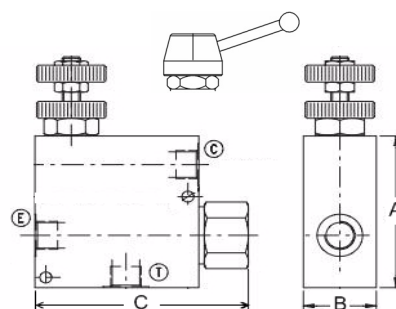
Aluminium body maximum pressure = 210 BAR

Steel body maximum pressure = 350 BAR (add suffix AC)

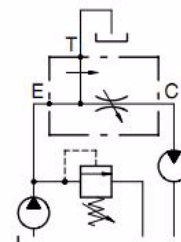
"E" Port = Inlet

"C" Port = Controlled flow

"T" Port = Excess flow port must go to tank



Part No. (Aluminium Body)	Ports BSPP	Dimensions (mm)			Maximum Flow	
		A	B	C	Port E	Port C
VPR/3/ET-38/V(L)	3/8"	90	40	117.2	50	30
VPR/3/ET-12/V(L)	1/2"	90	40	117.2	90	50
VPR/3/ET-34/V(L)	3/4"	110	50	144.5	150	90
VPR/3/ET-100/V(L)	1"	140	75	155	240	150
VPR/3/ET-114/V(L)	1 1/4"	165	75	155	350	250



## FLOW REGULATOR + RELIEF VALVE

### VPR/3/ET/VMP Series

Three port pressure compensated valve, excess flow port must go to tank

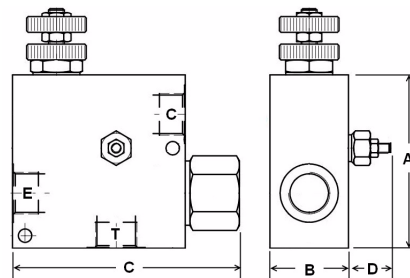
Aluminium body maximum pressure = 210 BAR

Steel body maximum pressure = 350 BAR (add suffix AC)

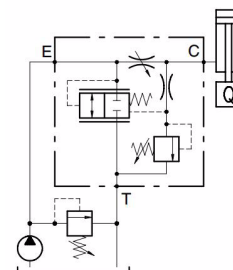
"E" Port = Inlet

"C" Port = Controlled flow

"T" Port = Excess flow port must go to tank



Part No. (Aluminium Body)	Ports BSPP	Dimensions (mm)				Maximum Flow	
		A	B	C	D	Port E	Port C
VPR/3/ET/VMP-38/V(L)	3/8"	90	40	117.2	25	50	30
VPR/3/ET/VMP-12/V(L)	1/2"	90	40	117.2	25	90	50
VPR/3/ET/VMP-34/V(L)	3/4"	110	50	144.5	25	150	90
VPR/3/ET/VMP-100/V(L)	1"	140	70	155	25	240	150



## FLOW REGULATOR

### VPR/3/EP Series

Three port double pressure compensated valve, designed to supply two circuits with a single Pump.

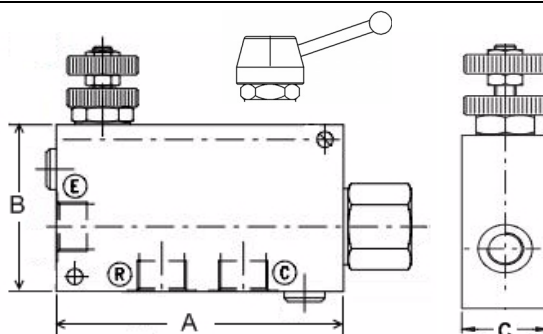
Aluminium body maximum pressure = 210 BAR

Steel body maximum pressure - 350 BAR (add suffix AC)

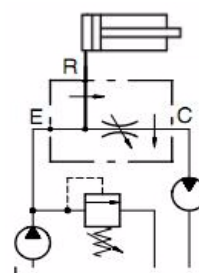
"E" Port = Inlet

"C" Port = Controlled flow

"R" Port = Excess flow (can be used to power a second circuit)



Part No. (Aluminium Body)	Ports BSPP	Dimensions (mm)			Maximum Flow	
		A	B	C	Port E	Port C
VPR/3/EP-38/V(L)	3/8"	130	70	40	50	30
VPR/3/EP-12/V(L)	1/2"	130	70	40	90	50
VPR/3/EP-34/V(L)	3/4"	155	90	50	150	90
VPR/3/EP-100/V(L)	1"	155	130	65	240	150
VPR/3/EP-114/V(L)	1 1/4"	184	160	75	450	250

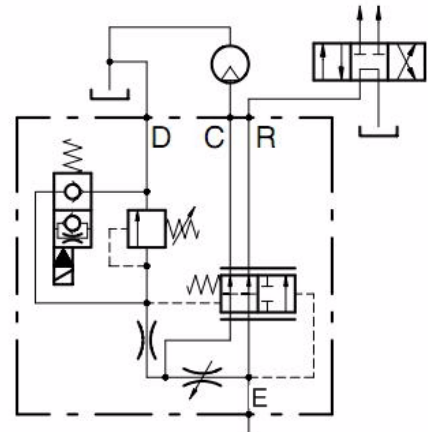
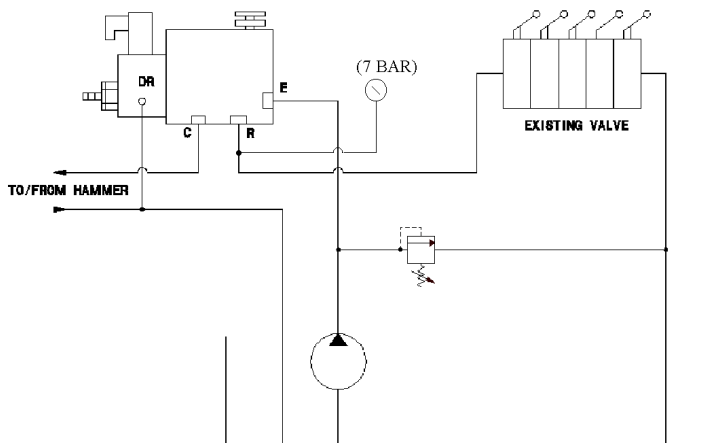
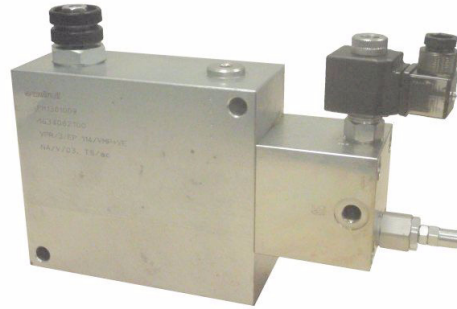
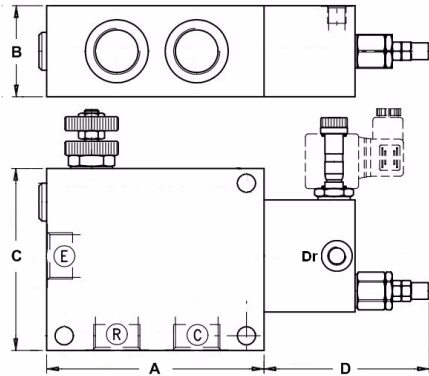


# LINE MOUNT VALVES

## FLOW REGULATOR - HAMMER VALVES

Steel body

A three port pressure compensated flow control valve in a steel body suitable for hydraulic rock breaker and hammer valve applications. It is controllable on/off via a solenoid valve. Inlet flow via E port is totally available to R port until the solenoid valve is energised at which time flow is available to the C port at the control flow setting, the excess flow remains available to the R port. A built-in relief valve protects the C port from over pressure. Available in 12VDC or 24VDC.



**NB: A minimum back pressure of 7 BAR is required on port "R" to ensure spool shift.**  
 If normal system back pressure does not fulfill this requirement then a check valve having sufficient spring value to raise the pressure to 7 BAR at port "R" must be included.

Part No.	Ports BSPP	M.W.P. BAR Steel	Max Flow L/min.		Dimensions mm			
			Port E	Port C	A	B	C	D
VPR/3/EP-38VMP+VE/NA	3/8"	350	50	30	130	40	70	118.5
VPR/3/EP-12VMP+VE/NA	1/2"		90	50	130	40	70	118.5
VPR/3/EP-34VMP+VE/NA	3/4"		150	90	155	50	90	129.5
VPR/3/EP-100VMP+VE/NA	1"		240	150	155	65	130	118
VPR/3/EP-114VMP+VE/NA	1-1/4"		450	250	184	75	160	133

**NB: Each unit requires the addition of a coil and coil connector.**

Part No.	Description
4SLE001200	12 Volt Coil
4SLE002400	24 Volt Coil
SP-KA-DC	Coil Connector

"C" Port Relief Spring Range		
Code	bar	Availability
TS	50-220	Standard
TR	180-350	On Request