

## VLM Series – Manual Valves

### VLM PRESSURE 700 BAR

	MODEL	Description	Symbol	
Single-Acting Operation	<b>VLM31</b>	3-way, 3-position Manual Control Valve. <ul style="list-style-type: none"> <li>• Advance</li> <li>• Hold</li> <li>• Return</li> </ul>		
	<b>VLM32</b>	3-way, 3-position Manual Control Valve with Pilot operated Check Valve. <ul style="list-style-type: none"> <li>• Advance</li> <li>• Hold with Pilot Check</li> <li>• Return</li> </ul>		
	<b>VLM35</b>	3-way, 3-position Manual Control Valve with Pilot operated Check Valve P closed. <ul style="list-style-type: none"> <li>• Advance</li> <li>• Hold with Pilot Check</li> <li>• Return</li> </ul>		
	<b>VLM36</b>	3-way, 3-position Manual Control Valve Closed Centre. <ul style="list-style-type: none"> <li>• Advance</li> <li>• Hold</li> <li>• Return</li> </ul>		
Double-Acting Operation	<b>VLM41</b>	4-way, 3-position Manual Control Valve. <ul style="list-style-type: none"> <li>• Advance</li> <li>• Hold</li> <li>• Return</li> </ul>		
	<b>VLM42</b>	4-way, 3-position Manual Control Valve with Pilot operated Check. <ul style="list-style-type: none"> <li>• Advance</li> <li>• Hold with Pilot Check</li> <li>• Return</li> </ul>		
	<b>VLM45</b>	4-way, 3-position Manual Control Valve with Pilot operated Check Valve P closed. <ul style="list-style-type: none"> <li>• Advance</li> <li>• Hold with Pilot Check</li> <li>• Return</li> </ul>		
	<b>VLM46</b>	4-way, 3-position Manual Control Valve Closed Centre. <ul style="list-style-type: none"> <li>• Advance</li> <li>• Hold</li> <li>• Return</li> </ul>		

# In-line Remote-Mounted Manual & Electric Valves (700 bar)

## VLS Series – Manual Valves (Spring Return in Central Position) VLE Series – Electric Valves

### VLS PRESSURE 700 BAR

	MODEL	Description		Symbol	
Single-Acting Operation	VLS31	3-way, 3-position Manual Control Valve. <ul style="list-style-type: none"> <li>• Advance</li> <li>• Hold</li> <li>• Spring return in central position</li> </ul>			
	VLS32	3-way, 3-position Manual Control Valve with Pilot operated Check Valve. <ul style="list-style-type: none"> <li>• Advance</li> <li>• Hold with pilot check</li> <li>• Spring return in central position</li> </ul>			
Double-Acting Operation	VLS41	4-way, 3-position Manual Control Valve. <ul style="list-style-type: none"> <li>• Advance</li> <li>• Hold</li> <li>• Spring return in central position</li> </ul>			
	VLS42	4-way, 3-position Manual Control Valve with Pilot operated Check Valve. <ul style="list-style-type: none"> <li>• Advance</li> <li>• Hold with pilot check</li> <li>• Spring return in central position</li> </ul>			

### VLE PRESSURE 700 BAR (230 VAC VOLTAGE)

	MODEL	Description		Symbol	
Single-Acting Operation	VLE31	3-way, 3-position Electric Control Valve. <ul style="list-style-type: none"> <li>• Advance</li> <li>• Hold</li> <li>• Return</li> </ul>			
Double-Acting Operation	VLE41	4-way, 3-position Electric Control Valve. <ul style="list-style-type: none"> <li>• Advance</li> <li>• Hold</li> <li>• Return</li> </ul>			
	VLE42	4-way, 3-position Electric Control Valve with Pilot operated Check. <ul style="list-style-type: none"> <li>• Advance</li> <li>• Hold with pilot check</li> <li>• Return</li> </ul>			

VALVES AND ACCESSORIES

# In-line Regulating Valves (700 bar & 1000 bar)

## VR Series

### VR PRESSURE 700 BAR

MODEL	Description	Symbol
<b>VRB38</b>	<b>Counterbalance valve.</b> It allows the positive hold of the load; calibrated during assembling, it controls automatically the down stroke speed without pressure oscillations and load jumping. Only for double acting cylinders	
<b>VRM14</b>	<b>Pressure relief valve</b> limiting the circuit pressure to the maximum required value (ranging between 50 and 700 bar). Adjusted by the valve control wheel. Suitable to be mounted on a panel.	
<b>VRM381</b>	<b>Pressure relief valve</b> limiting the circuit pressure to the maximum required value (ranging between 50 and 700 bar). Adjusted by the valve control wheel. Suitable to be mounted in line.	
<b>VRP38</b>	<b>Pilot operated check valve.</b> To permit free flow in one way and shut off the flow in the opposite direction. Pilot ratio 1.4	
<b>VRR38</b>	<b>One-way check valve.</b> To shut off the oil flow in one direction $\Delta P = 1 \text{ bar}$	

### VR PRESSURE 1000 BAR

MODEL	Description	Symbol
<b>VRF38</b>	<b>Needle valve.</b> To shut off the flow.	
<b>VRU38</b>	<b>One-way flow control valve.</b> It permits controlled load lowering.	
<b>VRH38</b>	<b>One-way flow control valve with fine regulation.</b> It permits controlled load lowering.	
<b>VRF382</b>	<b>Double outlet needle valve.</b> To split the flow in two separate ways. $A = 90$	
<b>VRF384</b>	<b>Needle valve with four outlets.</b> To split the flow in four separate ways. $A = 210$	