

Check Valves

VAB04 Series



This valve is recommended in applications where a pump is required to prime against pressure in a blocked line or for dual pump installations in which satisfactory operation of one pump might conceal the fact that the other pump is not primed. Operating against pressure in a blocked line (shown in circuit diagram 1) air in the manifold line and pump cannot be compressed sufficiently to escape through the relief valve even though vented. The pump cannot prime and as a result, serious damage to the pump is inevitable. The same can be avoided by using Veljan Air Bleed - off Valve and this facilitates adequate priming and proper pump operation.

VC4V 03 / 06 / 10 Series



Direct operated Check Valve Series VC4V are poppet type and designed for a maximum pressure of 350 bar and a flow capacity ranging from 180 l/min for a valve to 600 l/min for 1" valve. Mounting configuration of VC4V are in accordance with international standards such as CETOP, ISO, DIN or NFPA. Subplate mounting, L - body and T - body are standard. VC4V valves can be used as body type units or cartridges for manifold applications. A zero-leak condition can be achieved for flow from port B to port A and free flow in the opposite direction. Due to a precise ratio between the main piston area and its mass, an exceptional fast response can be obtained. Only a small opening stroke of the poppet causes free flow from port A to port B.

VC5V 06 – 08 – 10 -12 Series



Flange model Check Valve Series VC5V are direct operated poppet type and are suitable for mounting directly on the delivery port of vane pumps or any SAE 61 port. These valves can be used in conjunction with VR5V pressure control valves in stack formation. VC5V check valves are matched to the flow capabilities of range of vane pumps and are available VC5V Check Valves used as stack with VR5U unloader valve have an additional port X for pilot action of VR5U. The valves are zero - leak for flow from port B to port A and free flow in the opposite direction. for pressures up to 3000 psi (210 bar) and flow up to 263 gpm (1000 lpm).