

Veljan Air Bleed - off Valve rated at 5000 psi prevents the presence of air in hydraulic circuit by automatically venting air in the system to tank. This valve assembled by means of a T connection ahead of any other component, remains open and permits air to flow to tank, on initial priming of the system.

As soon as the air has been dissipated, by rise of system pressure to 140 psi, a steady flow of hydraulic fluid closes the air bleed - off valve automatically. A minimum flow of 1 gpm is required to close this valve.

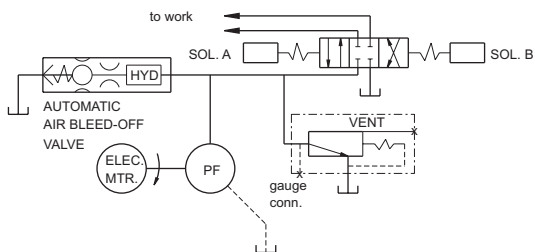
This valve is recommended in applications where a pump is required to prime against pressure in a blocked line or for dual pump installations in which satisfactory operation of one pump might conceal the fact that the other pump is not primed.

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 (shown in circuit diagram 1) and this facilitates adequate priming and proper pump operation.

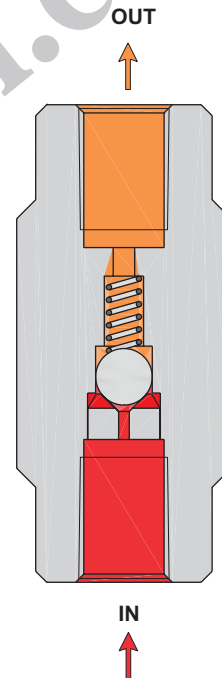
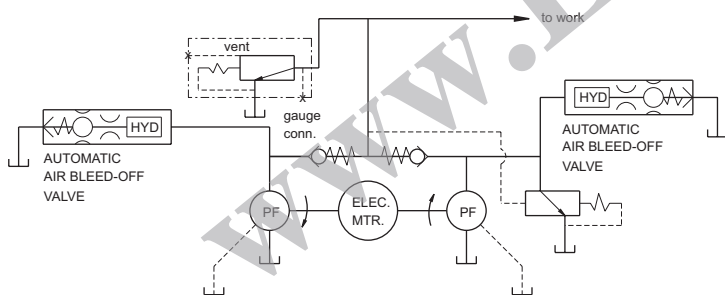
### Dual Pump installation

One pump is likely to prime before the other in a dual pump installation (shown in circuit diagram 2). Pressure will build up in one half of the system and prevent air from escaping through the check valve. Thus, the second pump will not prime and serious damage may occur. This can be prevented by using two Veljan Air Bleed - off Valves (shown in circuit diagram 2).

### TYPICAL CIRCUITS



### NO. 1 BLOCKED LINE



### NO. 2 DUAL PUMP INSTALLATION

|    | Dimensions |         |
|----|------------|---------|
|    | In         | mm      |
| A1 | 2.53       | 64.26   |
|    | 2.47       | 62.738  |
| A2 | 0.60       | 15.24   |
|    | 0.56       | 14.224  |
| A3 | 0.60       | 15.24   |
|    | 0.56       | 14.224  |
| A4 | ø0.95      | ø24.13  |
|    | ø0.93      | ø23.622 |

| Model Number | Thread Size          |
|--------------|----------------------|
| AB04 - 15    | 1/4" NPTF (Dry Seal) |
| AB09 - 25    | 9/16" - 18 UNF, 2 B  |

