DESCRIPTION

The **HYDAC** Air Vent Valve eliminates air bubbles which accumulate in hydraulic systems immediately after start-up or after long periods of shut-down of the system.

The Air Vent Valve remains open as long as there is an air flow, but closes as soon as oil reaches the inset valve. The closing operation is automatic without any loss of oil.

This type of operation of the **HYDAC** Air Vent Valve allows for easy start-up of hydraulic systems.

Due to the compact design the Air Vent Valve requires minimum space.

MOUNTING

The inlet port is connected to the pressure line and the outlet port should be connected back into the non-pressurized reservoir.

For ventilation of pumps the valve should be mounted adjacent to the pump outlet. For system ventilation the valve should be mounted at the system’s highest point.

TECHNICAL DATA

**Operating Pressure Range:**
- \( P_{\text{min}} \) ... 43 psi (3 bar)
- \( P_{\text{max}} \) ... 8700 psi (600 bar)

**Operating Flow Range:**
- \( Q_{\text{min}} \) ... .025 gpm (1 l/min)
- \( Q_{\text{max}} \) ... 15 gpm (57 l/min)

*to achieve higher flow rates, parallel connection is possible*

MOUNTING POSITION

Optional—see figures A and B. The return line must be connected to reservoir below the minimum oil level.

Dimensions are for general information only. Please verify all critical dimensions by requesting a certified print.

**Model Code:**

<table>
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<th>Automatic Air Vent Valve</th>
<th>AEV</th>
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<tbody>
<tr>
<td>Size</td>
<td>6</td>
</tr>
<tr>
<td>Type of Connection</td>
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**AEV Automatic Air Vent Valve**
High Pressure Ball Valves
HYDAC offers a complete line of high pressure ball valves. These valves feature full unrestricted flow, positive shut-off, and have pressure ratings of up to 7,250 psi. Available sizes range from 1/4” thru 2” with NPT, SAE, or SAE split flange connections. Options include locking devices, pneumatic or electrical actuators, limit switches, and offset or straight handles. For complete information on HYDAC High Pressure Ball Valves, contact HYDAC at 610-266-0100 and request a catalog.

Request catalog # 02068169

Hose, Tube, and Pipe Clamps
HYDAC clamps and mounting systems are available in a wide range of sizes and materials to fit practically any application. These clamps are designed to absorb shock, dampen vibration, and reduce noise. Rubber inserts are used for applications with high cyclic pressures. Weld plates are available as phosphate coated steel, or stainless steel. Custom arrangements are also available. A single custom arrangement can replace many single clamps resulting in a simplified installation, and a more compact solution that fits your application perfectly. For more information on HYDAC Hose, Tube, and Pipe Clamps please contact HYDAC at 610-266-0100.

Request catalog # 02068188

Flow, Needle, and Check Valves
When it comes to flow control valves, HYDAC once again provides a complete line of high quality solutions. Flow, Needle, and check valves are designed to be safe, precise, and easy to use. The valves are constructed of high quality materials to be compatible with the type of fluid being used. These valves come with pressure ratings of up to 5,000 psi. Both inline and manifold designs are available. HYDAC would be glad to help you determine which flow control valve(s) would be appropriate for your application. For more information on these products, or help selecting the right valve, contact HYDAC at 610-266-0100.

Request catalog # 02068165

Multi Station Gauge Isolators
HYDAC Multi-Station Gauge Isolators allow for multiple pressure readings to be taken by a single gauge. They are offered with or without a built-in gauge. Available in 6 to 9 stations, these gauge isolators have operating pressure ranges of 4500 psi at measuring points. For help in selecting the proper gauge isolator for your application call HYDAC at 610-266-0100.

Request catalog # 02068186