Accessory Valves

**Time delays pressure release in a critical circuit while unclamping**

- Adjust the delay to control unclamp timing in single-acting devices. May be used with single or double-acting clamping systems.
- Eliminate workpiece movement, caused by residual pressure when unclamping over a work support.
- Normally open valve (with crossover plate) allows free fluid flow through the valve during clamping, delays release timing during unclamping.
- Conveniently mounts between the Vektek Sequence Valve and the fixture manifold (for sequenced operation downstream) or can be ported with fittings and tubing.
- Stainless steel internal components for superior corrosion resistance.

**Operation:** The VektorFlo® Unclamp Delay Valve operates as a normally open element in a hydraulic clamping system. Low pressure fluid flows freely through the valve to downstream devices.

As pressure in the system builds, the mechanical pilot piston moves away from the check valve allowing it to close. Full system pressure is reached and flow in the system stops. If pressure leaks off in downstream devices, the check valve will re-open and replenish pressure. During unclamping, inlet pressure falls with main system pressure but downstream pressure is held constant by the check valve.

**Unclamp Delay Valve**

<table>
<thead>
<tr>
<th>Model No.*</th>
<th>Pressure Range**</th>
<th>Time Delay Preset***</th>
<th>Filtration Included</th>
<th>Max Flow</th>
</tr>
</thead>
<tbody>
<tr>
<td>70-4310-00</td>
<td>500 to 5,000 psi</td>
<td>3 to 7 seconds</td>
<td>Using ISO 32 Fluid</td>
<td>25 Micron All Ports 3.0 gpm</td>
</tr>
</tbody>
</table>

Crossover plate, 93-1977-00, needed when using as a standalone manifold mount valve.

**For proper sealing, mating surface must be flat to 0.003 in. with a maximum 63 µ in. Rₚ surface finish.**

**4 Mounting Options**

1. **USE AS STANDALONE VALVE EXTERNALLY PLUMBED**
2. **EXTERNALLY PLUMBING PAIRED TO SEQUENCE VALVE**
3. **USE AS STANDALONE VALVE MOUNTED TO FIXTURE USING CROSSOVER PLATE**
4. **USE IN NEW OR EXISTING APPLICATIONS UNDER SEQUENCE VALVE MOUNTED TO FIXTURE**