

# Palletized Fixture Accessories

## Accumulators

### Accumulators\*

- Maintains circuit pressure while the pallet or tombstone fixture is disconnected from the pump using a decoupler or tombstone Top Plate.
- Piston-type, inert gas precharged accumulators compensate for pallet pressure changes during machining.
- Available in three operating ranges provide up to 3.8 cu. in. of pressure fluid reserve.

Hydraulic fluid compresses the precharged inert gas across the piston during circuit pressurization. The pressurized gas provides additional fluid to the circuit to reduce pressure changes in the event of small seeps, or thermal expansion/contraction while the pallet or fixture is in the machine. The 2,000-5,000 psi operating pressure model has gas precharged to 1,500 psi. The 1,000-3,500 psi operating pressure model has gas precharged to 750 psi. Perform annual maintenance in accordance with the instructions provided with each accumulator. Contact Vekttek for additional copies of the annual maintenance instructions or to arrange for factory performed annual maintenance. Strictly observe all safety precautions provided with each accumulator.

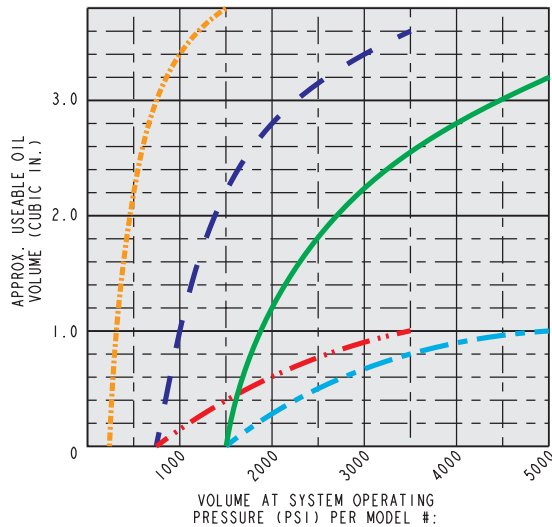


### Small System Accumulators

- Same functions as the larger accumulators above, except for smaller total volume circuits.
- For system operating pressures of 2,000-5,000 psi unit will provide up to 1 cu. in. of pressurized fluid reserve.

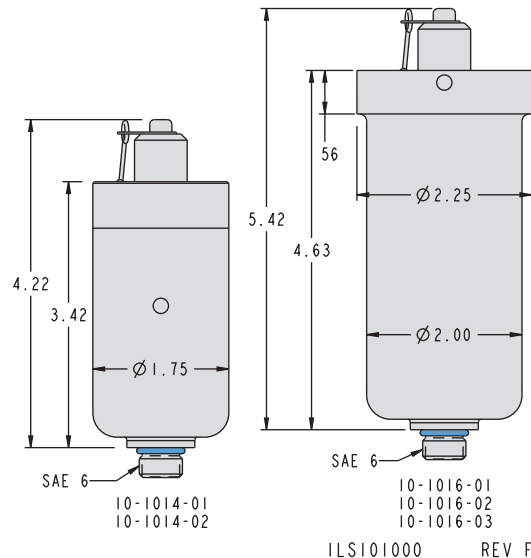
**NEW**  
Pressure Range  
300 - 1,450

K-8



Model No.	Line Style
10-1014-01	--- (dashed blue)
10-1014-02	... (dotted red)
10-1016-01	— (solid green)
10-1016-02	--- (dashed purple)
10-1016-03	... (dotted orange)

ILS101001 REV D



ILS101000 REV F

**\*NOTE:** Accumulator's gas precharge must be checked annually. Consult Vekttek for technical assistance.

Accumulator Model No.	System Operating Pressure Range	Approximate Useable Volume At Maximum System Pressure
10-1014-01	2,000 - 5,000 psi	1.0 Cubic Inch
10-1014-02	1,000 - 3,500 psi	1.0 Cubic Inch
10-1016-01	2,000 - 5,000 psi	3.2 Cubic Inch
10-1016-02	1,000 - 3,500 psi	3.6 Cubic Inch
10-1016-03	300 - 1,450 psi	3.8 Cubic Inch

