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# Floating Piston Cylinder Model 2347 Datasheet

Accessories



**CHANDLER**  
ENGINEERING

## Model 2347

### **FLOATING PISTON CYLINDER**

#### **An Essential Component For Sample Integrity and Storage**

The Model 2347 Floating Piston Cylinder is an essential laboratory component for all manner of liquid and gas analysis. The cylinder is high-pressure (15,000 psi) with low dead volume and a positive mixing capability. The cylinder comes complete as shown.



#### **Engineered For Oil Field Fluids**

The sample bottle uses a hydraulically operated, solid floating piston that permits mercury-free operation.

A nested stirring ball design minimizes dead volume in the sample chamber for nearly complete removal of sample. The large, single stirring ball dissolves gas bubbles better than multiple-ball systems. It is heavy enough to traverse easily through viscous samples ensuring thorough mixing to a single phase.

Threaded end caps protect the valves at either end of the bottle from damage during handling and transport.

All wetted parts are fabricated from 17-4PH stainless steel, which meets NACE specifications for use with H<sub>2</sub>S.

When maintenance is required, the sample cylinders are quickly and easily disassembled without the use of special tools. Removal of both high-pressure end caps allows complete access to the cylinder cavity permitting easy cleaning.

O-ring replacement and reassembly of the bottle are accomplished by hand. A standard adjustable wrench may be used for final tightening.

#### **FEATURES**

- ✓ Mercury-Free Design
- ✓ Minimal Dead Volume
- ✓ Heavy Stirring Ball
- ✓ H<sub>2</sub>S Resistant Materials
- ✓ Easy Disassembly For Cleaning or Maintenance



## Specifications

Maximum Pressure            15,000 psi / 104 MPa  
 Sample Volume                Three sizes available: 500 mL, 750 mL, 1000 mL

## Uses

- Transport of pressurized liquid and gas samples
- Laboratory fluid accumulator for PVT, Core Analysis, SCAL and fluid flow studies
- Storage of pure gas and liquid components
- Reservoir Fluid sample storage
- Dispensing reservoirs

## Physical Dimensions



Sample Cylinder	Length A inch / cm	Length B inch / cm	External Diameter inch / cm	Weight (empty) lb / kg
500 mL	27.75 / 70.5	17.75 / 45.1	4 / 10.2	50 / 22.7
750 mL	30.5 / 77.5	20.5 / 52.1	4 / 10.2	58 / 26.3
1000 mL	35.5 / 90.2	25.5 / 64.8	4 / 10.2	65 / 29.5

*Manufacturer's specifications subject to change without notice*



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