



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 H₂S.

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
- ✓ H₂S 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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