DK-LOK
Sample Cylinder

Sample Cylinder

Features

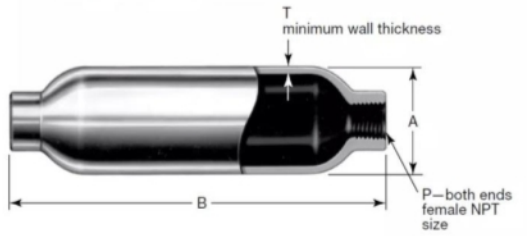
- Capacities from 40cm³ to 3785cm³ (1 gal).
- Single-ended and double-ended configurations available.
- Spinned cylinder body machined from seamless tubing to provide consistent wall thickness, size and capacity.
- Cold-formed female NPT thread to provide high strength.
- 1/8", 1/4" and 1/2" female NPT connections.
- Full-penetration gas tungsten arc-weld construction to ensure no leak for sampling (single-ended cylinder only).
- DOT and non-DOT cylinders available.
- Accessories, such as valves, relief devices, outage-tubes, carrying handles, caps and plugs available.

Applications

Sampling Cylinders permit the extraction of a sample from a remote process location and provide safe containment for storage and transportation to the laboratory for analysis. These cylinders are rated to 15 MPa at room temperature for liquids and gases.
Some applications include hydrocarbon sampling in refineries, gas sampling in fossil-fuel and nuclear power plants. In similar applications. Petrochemical facilities and gas processing plants utilize sample cylinders.

Stainless Seamless Sample Cylinder, is made of seamless 304/316 tube, ensuring consistencies in wall thickness and inner volume, and also better integrity and corrosion resistance over other materials.

Double-Ended Cylinders



Sample Bottle Cylinder Models	Min. Normal Volume (ml)	Normal Work Pressure (Mpa)	Bottle Parameters				
			Pipe Thread (P)	Outer Diameter (A)	Length (B)	Min.Thickness (T)	Weight (kg)
DKSC-38-0.075-15-S	75	15	NPT 1/4	38	125	1.8	0.28
DKSC-38-0.15-15-S	150	15	NPT 1/4	38	200	1.8	0.43
DKSC-51-0.2-15-S	200	15	NPT 1/4	51	205	2.8	0.5
DKSC-51-0.3-15-S	300	15	NPT 1/4	51	265	2.8	0.73
DKSC-51-0.5-15-S	500	15	NPT 1/4	51	410	2.8	1.2
DKSC-89-1-15-S	1000	15	NPT 1/4	89	285	3.8	2.9
DKSC-114-2.25-15-S	2250	15	NPT 1/4 or NPT 1/2	114	480	4.8	6.4
DKSC-121-3.785-15-S	3785	15	NPT 1/4 or NPT 1/2	121	560	6	9.5

Factory Test

Every TPED-compliant sample cylinder is hydrostatically tested at 1.5 times the pressure rating.
Every TPED-compliant DK-Lok cylinder valve is factory tested with nitrogen at 69 bar (1000psig). Seats have a maximum allowable leak rate of 0.1 std Cm³/min. Shell testing is performed at 1.5 times the pressure rating to a requirement of no detectable leakage with a liquid leak detector.

Transportable Pressure Equipment Directive (TPED)

The Transportable Pressure Equipment Directive (TPED) provides requirements for the design, manufacturing, and testing of transportable pressure vessels and accessories, including sample cylinders and rupture discs. The directive for information about DK-Lok TPED-compliant products, please refer to DK-Lok Catalog sample cylinders compliant with the transportable pressure equipment directive (TPED).

Safety Selection

It is solely the responsibility of the system designer and user to select products suitable for their specific application requirements and to ensure proper installation, operation, and maintenance of these products. Material compatibility, product ratings and application details should be considered in the selection. Improper selection or use of products described herein can cause personal injury or property damage.

All dimensions are in millimeters unless otherwise specified and only for reference subject to change.

DK-LOK Corporation

Brisbane Sydney Melbourne Darwin
VALVE AND FLOW CONTROL SPECIALISTS PTY LTD
E-mail sales@valveandflowcontrolspecialists.com