



**ISO
9001**
QUALITY
ASSURANCE

SCY-900 Series

Sampling Cylinders

The **SCY-900** series stainless steel sampling cylinders are used to extract sample from a remote location and provide safe containment for storage & transportation to laboratories for further analysis. All internal wetted surfaces are machined to better than 1.6 μm finish. TIG welded joints are 100% leak proof. Smooth internal neck ensures fluid entrapment is eliminated and cleaning is easy.

TYPICAL APPLICATIONS

- Sampling for gas & liquid chromatography
- Hydrocarbon sampling in refineries
- Pressure surge accumulators
- Chemical reaction vessels
- Condensate sampling

OPTIONS

- Needle valve
- Rupture disc
- Relief valve
- Dip (outage) tubes
- End caps
- Carrying handle
- DOT compliant cylinders available (contact factory)
- Internal PTFE lining



FEATURES & SPECIFICATIONS

- SS 316, SS 304 Construction.
- Available in various sizes from 75-1000 ml
- Smooth internal neck transition
- Working pressure upto 3000 psig (210bar.g)
- Available as Single or Double ended.
- Extra wall thickness around thread for better strength and to resist flaring.
- Available with internal PTFE lining.
- Tested at 1.5 times working pressure

NOTE: As a drive for continuous improvement of our products, 'Altair' reserves the right to change descriptions contained in this brochure without prior notice. Consult local distributor or factory for revisions and/or service related issues

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SCY-900 Rev.00-1116

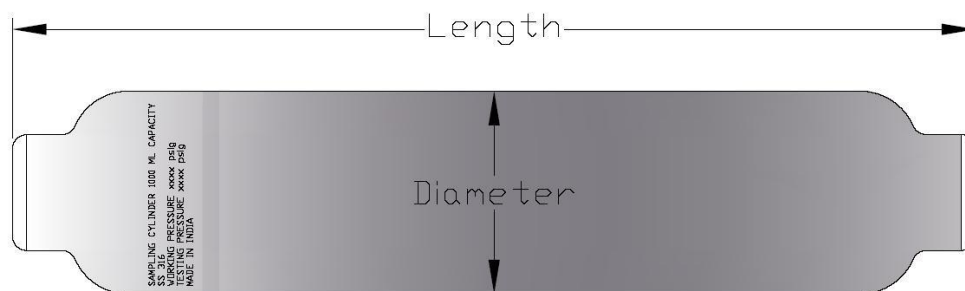
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MODEL	CAPACITY* cc / ml \pm 5%	PRESSURE RATING psig (bar)	OUTSIDE DIAMETER mm (in.)	LENGTH mm (in.)
SCY-900-0075	75	1800 (124)	38 (1.5)	125 (5)
SCY-900-0150	150		51 (2)	140 (5.5)
SCY-900-0300	300			229 (9)
SCY-900-0500	500			356 (14)
SCY-900-1000	1000		89 (3.5)	279 (11)

* OTHER SIZES AVAILBLE PLEASE CONTACT FACTORY.
DIMENSIONS ARE FOR REFERENCE PURPOSE ONLY. SUBJECTED TO CHANGE WITHOUT NOTIFICATION.

DIP (OUTAGE) TUBES

Dip tubes provide a vapor space of the desired volume in cylinders containing liquefied gases, allowing the liquid in the cylinder to expand as the temperature increases. Without sufficient vapor space, a small temperature increase can cause the liquid to expand, increasing the pressure dramatically.

Dip tubes may be ordered in outages of 10, 20, 30, 40 & 50%.

Please refer to local regulations and other appropriate guidelines for safe cylinder filling limits for your application.

SS 316 Dip tubes are welded to the inlet end of an adaptor. Lengths can be ordered as per outage requirement. *Please refer ordering information in following pages.*

Dip tube with adaptor



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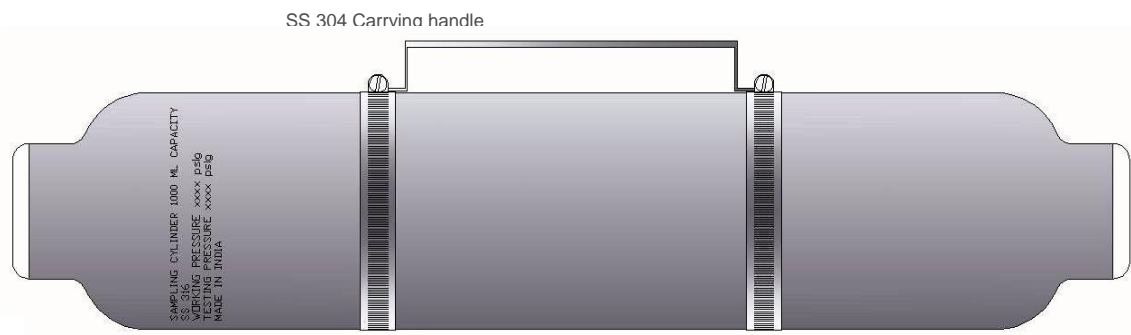




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CARRYING HANDLE & END CAPS



Carrying Handles and End caps enable the user to safely transport pressurized samples.

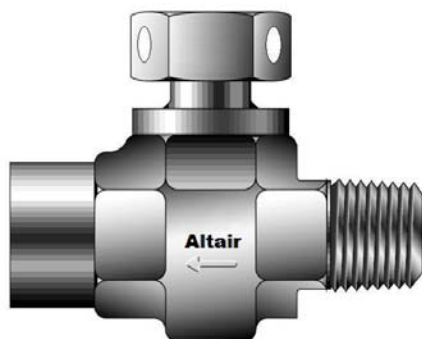
These SS 304 Carrying handle provides a convenient way to carry the cylinder on field. Carrying handles are available for sizes 500 ml and above capacity cylinders.

Carbon steel hard chrome plated end cap helps protect valves from physical damage.

NOTE: Please confirm end cap requirement while placing cylinder order, as end cap and its related assembly cannot be installed on field. Please refer ordering information in following pages to order the accessories



RUPTURE DISC



Rupture disc is an inexpensive safety device that protects the sampling cylinder from over pressurization by venting the cylinder contents in atmosphere. Rupture disc assemblies are machined from SS 316 ASTM A479 bar stock. Rupture disc are made of SS 316, with PTFE/Viton® seals. Relief valves are provided instead of rupture disc where application requires re-closure after venting of over pressurized fluid.

Please refer ordering information in following pages.

NOTE: It is necessary to inspect rupture disc at regular intervals, as the strength of disc deteriorates due to various factors such as temperature, fatigue, corrosion, pulsating pressure etc.

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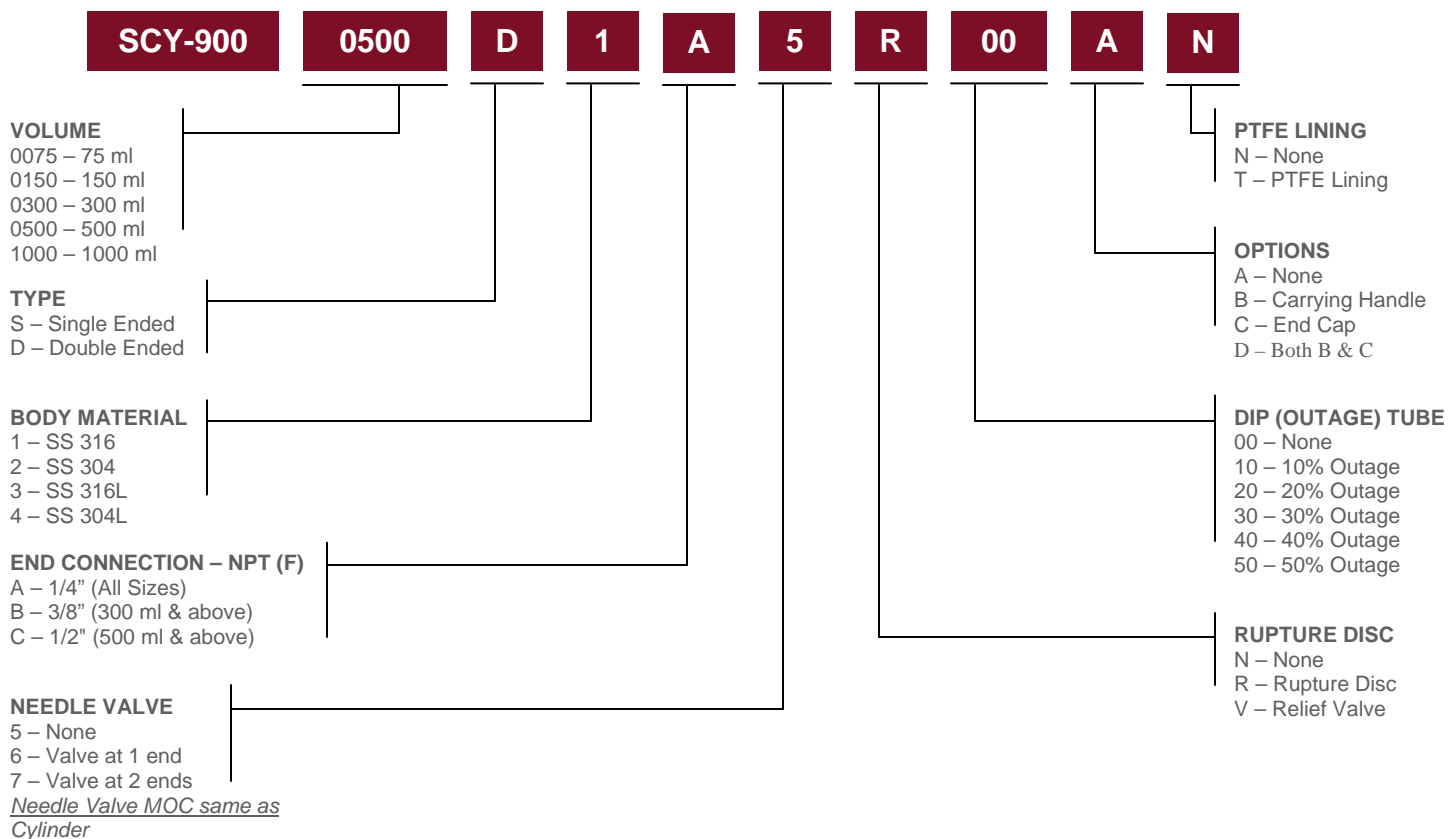




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Ordering information



ADVICE IS ALWAYS AVAILABLE ON:

- System design, installation and commissioning
- Gas handling and control equipments
- Training on product handling and safety
- Engineering and equipment maintenance

Viton® is a registered trademark of the DuPont Company



CLIENT LABELS ARE ALSO OFFERED SUBJECTED TO MINIMUM ORDER QUANTITY

Altair may suggest certain materials for certain applications. These suggestions are based on compatibility information provided by material suppliers on previous experience. However, Altair does not guarantee the material to be compatible with a specific media; this will be the sole responsibility of the user

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