



## **CryoEase<sup>®</sup> on-site storage tank system**

**Safe, reliable, efficient and economical gas supply**

## **Tailor-made liquid storage tanks for small-volume users**

On-site gas delivery makes sense for many industrial, scientific and healthcare applications — especially for small-volume users. Air Products understands your need to increase operational efficiencies while controlling operating costs. That is why we have introduced the CryoEase Service and the tailor-made on-site storage systems for small-volume users. The CryoEase Service provides new, reliable and cost-effective supply mode for existing nitrogen, argon or oxygen users.

### **CryoEase Service is engineered for maximum efficiency**

CryoEase on-site storage tanks are designed for maintaining the pressure during refill and shortening the refill time. You can continue to operate without any interruption. In addition, each tank is equipped with an automatic fill shutoff device which helps ensure an efficient delivery with your safety in mind.

The exceptional thermal quality of these systems limits product loss during extended periods of little or no use. Idle pressure build-up is lower than traditional liquid tanks.

### **Features of CryoEase on-site storage tanks**

- Digital liquid level gauge that enables you to manage your inventory and guard against runouts
- Optional remote alarms and telemetry monitoring programs
- Outdoor or indoor installation
- Optional wall box for remote filling
- Easy and flexible on-site installation that requires no special foundations

With sizes, pressures and configurations to help meet your needs, including high-pressure, high-flow models for laser-assist gases, our CryoEase on-site storage systems provide flexibility for your operation.

We believe in working closely with our customers. The fact that we pioneered the concept of on-site industrial gas supply is proof of that belief.

**Please contact Air Products about a tailor-made on-site storage solution that suits your business.**

*With the CryoEase Service, you no longer need to worry about your gas supply, but devote your full attention to achieve operational efficiency.*



## Specifications of CryoEase storage containers

DESCRIPTION	230L	230L	450L	450L	1000L	1000L	1000L	2000L	2000L	2000L	3000L	3000L	3000L
	MP	HP	MP	HP	MP	HP	VHP	MP	HP	VHP	MP	HP	VHP
<b>CAPACITY (Liters)</b>													
<b>Gross</b>	243		450		1,040			2,080			2,990		
<b>Net</b>	225		420		956			1,930			2,751		
<b>Maximum Allowable Working Pressure (MAWP)</b>													
psig	232	348	232	348	377	377	507	232	377	507	232	348	507
bar	16	24	16	24	26	26	35	16	26	35	16	24	35
<b>Maximum Operating Pressure (pre-set)</b>													
psig	125	300	125	300	125	300	450	125	300	450	125	300	450
bar	8.6	20.7	8.6	20.7	8.6	20.7	31	8.6	20.7	31	8.6	20.7	31
<b>Storage Capacity - based on ASME design and manufacturing standard (21°C)</b>													
N <sub>2</sub> - Nm <sup>3</sup>	145		271		618			1,248			1,778		
O <sub>2</sub> - Nm <sup>3</sup>	180		335		763			1,541			2,196		
Ar - Nm <sup>3</sup>	176		328		747			1,508			2,149		
<b>THERMAL PERFORMANCE (NER%/Day)</b>													
N <sub>2</sub>	1.8%		1.8%		1%			1%			1%		
O <sub>2</sub> - Ar	1.12%		1.12%		0.62%			0.62%			0.62%		
<b>GAS DELIVERY RATE (LOX/LIN/LAR)</b>													
Nm <sup>3</sup> /h	10.5	10.5	15.1	15.1	25.2	25.2	25.2	39.4	39.4	52.4	51.0	51.0	85.0
<b>DIMENSIONS</b>													
<b>Diameter, mm</b>	606	606	800	800	1,058	1,058	1,058	1,300	1,300	1,300	1,504	1,504	1,504
<b>Height, mm</b>	1,374	1,375	1,700	1,700	2,560	2,560	2,620	2,900	2,900	2,985	3,025	3,025	3,105
<b>TARE WEIGHT</b>													
kg	136	154	312	368	700	700	973	1,010	1,148	1,592	1,400	1,550	2,211

### Remarks:

1. All specifications are subject to change without prior notice.
2. The NER calculation is based on the net usable tank volume of specific tank size.
3. NER only applies to situation with no usage of gas. Customers with consistent gas usage volume will have very limited venting due to evaporation.

### Contact us

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