



Designed for standard use as well as specialty gas applications, Cyl-Tec's Aluminum Industrial Cylinders are light weight, corrosion-resistant, and non-magnetic.

ALUMINUM INDUSTRIAL CYLINDERS

Cyl-Tec's Aluminum Industrial Cylinders are made of high-strength alloy 6061-T6 and are manufactured to DOT-3AL and TC-3ALM specifications. Due to its lighter weight, aluminum is a perfect choice for any weight-sensitive application.

APPLICATIONS

- Medical, food and beverage grades of CO₂
- Ultra-high purity gases for electronics manufacturing, specialty, and calibration gases
- SCUBA, fire & rescue, alternative fuel, and aerospace

FEATURES & BENEFITS

- Manufactured to DOT-3AL and TC-3ALM specifications
- Light weight for weight-sensitive applications
- Corrosion-resistant, non-magnetic
- Seamless construction

MODEL	N ₂ Capacity (at 70°F/21°C)		Service Pressure		Diameter		Height		Weight		Water Volume		Inlet Thread*
	ft ³	liters	psig	bar	in.	mm	in.	mm	lb.	kg	in ³	liters	
N-6	5.4	153	2,216	153	3.21	81.4	11.8	300	2.2	1.0	63	1.0	3/4"-16 UNF-2B
N-9	8.3	253	2,015	139	4.38	111.2	11.0	279	3.6	1.6	106	1.7	3/4"-16 UNF-2B
N-33	30.5	864	2,216	153	6.90	175.0	16.0	406	14.2	6.4	355	5.8	1-1/8"-12 UNF-2B
N-47	47.4	1,342	2,132	147	6.90	175.0	23.2	589	20.5	9.3	574	9.4	1-1/8"-12 UNF-2B
N-60	55.1	1,560	2,216	153	7.25	184.1	22.9	582	22.3	10.1	642	10.5	1-1/8"-12 UNF-2B
N-90	80.1	2,268	2,216	153	7.25	184.1	32.7	831	30.0	13.6	933	15.3	1-1/8"-12 UNF-2B
N-150	141.5	4,007	2,015	139	8.00	203.0	47.9	1,216	48.5	22.0	1,800	29.5	1-1/8"-12 UNF-2B
N-200	178.7	5,060	3,000	209	8.60	218.4	41.3	1,049	67.0	30.4	1,590	26.1	1-1/8"-12 UNF-2B
N-265	245.0	6,938	2,216	153	9.80	250.0	51.4	1,305	87.0	39.5	2,831	46.4	1-1/8"-12 UNF-2B
S-80	85.0	2,407	3,000	207	7.25	184.2	26.5	673	31.0	14.1	678	11.1	3/4"-14 NPSM

* Other threads available by special order.

PermaProtect®
TREATMENTS
Available

U.S. TOLL FREE **888-429-5832**

www.cyl-tec.com

Cyl-Tec®



For N-33, N-150, & N-265 aluminum cylinders

PermaProtect®

Specialty Gas Pre-treatment System

Our most popular model aluminum cylinders can now be specially prepared by providing long-term stability for calibration gas mixtures.

PermaProtect® offers the ideal containment solution for the specialty gas industry.

HOW?

1. Cylinder's internal surface is polished to a mirror finish ($Ra \leq 0.05 \mu m$).
2. Proprietary treatments are applied to internal surfaces to maintain calibration mixture stability.



PermaProtect® Available in the Following Cylinder Models

MODEL	N ₂ Capacity (at 70°F/21°C)		Service Pressure		Diameter		Height		Weight		Water Volume		Inlet Thread*
	ft ³	liters	psig	bar	inches	mm	inches	mm	lb.	kg	in ³	liters	
N-33	30.5	864	2,216	153	6.90	175.0	16.0	406	14.2	6.4	355	5.8	1-1/8"-12 UNF-2B
N-150	141.5	4,007	2,015	139	8.00	203.0	47.9	1,216	48.5	22.0	1,800	29.5	1-1/8"-12 UNF-2B
N-265	245.0	6,938	2,216	153	9.80	250.0	51.4	1,305	87.0	39.5	2,831	46.4	1-1/8"-12 UNF-2B

* Other threads available by special order.

Proven Stability with Mixtures Containing the Following Trace Components*

Ammonia (NH ₃)	30 PPM	Ethyl Mercaptan (C ₂ H ₆ S)	5 PPM	Nitrogen Dioxide (NO ₂)	100 PPM
BTEX (Benzene, Toluene, Xylene, etc.)	1 PPM	Formaldehyde (CH ₂ O)	5 PPM	Nitrous Oxide (N ₂ O)	100 PPM
Carbon Dioxide (CO ₂)	1 PPM	Hydrogen Sulfide (H ₂ S)	5 PPM	Sulfur Dioxide (SO ₂)	50 PPM
Carbon Monoxide (CO)	1 PPM	Methanol (CH ₃ OH)	5 PPM	Volatile Organic Compounds (VOCs)	1 PPM
Carbonyl Sulfide (COS)	5 PPM	Nitric Oxide (NO)	1 PPM		

* Parts per million (PPM)

Cyl-Tec, Inc.
971 W. Industrial Dr.
Aurora, IL 60506

Local & Outside U.S: 630-844-8800
U.S. Toll Free: 888-429-5832
Fax: 630-844-5100

info@cyl-tec.com
www.cyl-tec.com



© 2023-08 Cyl-Tec, Inc. All rights reserved.