



Well suited for standard use & specialty gas applications, 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 applications.

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		Length		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-22	20.2	572	2,216	153	5.25	133.3	17.16	436	9.2	4.2	236	4.0	1-1/8"-12 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

* Other threads available by special order.

PermaProtect™
TREATMENTS
Available
(See reverse.)

Call us now! (905) 564-8887



www.certifiedcylinder.ca



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

* Parts per Million (PPM)