

# TECHNOLOGY IN MOTION



*Clean Energy Solution Company*

**EVEREST KANTO CYLINDER LIMITED, INDIA**  
**EKC INTERNATIONAL FZE, DUBAI**  
**EKC INDUSTRIES (TIANJIN) LIMITED, CHINA**  
**CP INDUSTRIES, USA**  
**EKC INDUSTRIES (THAILAND) CO. LTD., THAILAND**

# Company Profile

Established in 1978 Everest Kanto Cylinder Limited (EKC) has grown rapidly to become the pioneering manufacturer and solution providers for high pressure storage of gases. The expanding range of Seamless Steel cylinders manufactured by EKC have earned a global reputation for their high standard of quality & compliance to the most stringent specifications laid down by international bodies and local authorities.

EKC has eight plants located in India, UAE, China & USA having a total production capacity to manufacture over two million cylinders every year. With the widest range of cylinders from 1 to 3000 litres, globally distributed 8 modern manufacturing plants, devotion to quality & flexibility makes EKC a global supplier of High Pressure cylinders including Large Vessels for bulk transportation of gases. EKC today is the largest producer and industry leader of CNG cylinders in Asia.

In addition to High Pressure Seamless Cylinders for industrial gases and CNG applications, we also manufacture Large Diameter High Pressure Seamless Vessels, Large Seamless Cylinders, Jumbo Cylinders and Jumbo Skids for the storage and bulk transportation of CNG and various other Industrial and Speciality Gasses like Hydrogen, Nitrogen, Helium, Argon etc. These large cylinders have sizes starting from 1000 lit WC. Upon specific requests we can also manufacture such special large diameter cylinders of upto 3000 lit WC. These cylinders are presently manufactured by us conforming to ISO 11120.

With the acquisition of CP Industries USA – The world leader and largest manufacturer of Seamless Pressure Vessels as per ASME, ISO & DOT regulations, we have inherited their vast and varied experience in the field of manufacture of Large Size Seamless High Pressure Cylinders. Large Sized Cylinders or Jumbo Tubes as they are generally known have various applications in the area of Bulk Transportation of CNG and Industrial Gasses.

EKC Seamless Pressure Vessels provide efficient and economical means for storage and transportation of pressurized gases for a wide range of applications in industrial installations, on ship or off-shore equipment, fire fighting facilities etc. Domestic and international markets include aerospace, chemical processing, construction, food production, industrial controls, medicine, nuclear and power propulsion systems, oil and gas exploration and production, rescue equipment, transportation and undersea exploration and most important, CNG Mother and Daughter stations and CNG City Gas projects. The Jumbo Skids that transport CNG provide an ideal solution for stranded gas by acting as a virtual gas pipeline between the source and destination. The Jumbo Cylinders incorporated into ISO Skids are ideal for long distance transportation of Special Gasses. In addition to the above we can also provide tailor made solutions to suit the transportation regulations of the country of use.

In all these applications, EKC engineers work in tandem with the design and research departments of our customers and the material development centre of the raw material suppliers for developing the most efficient and advanced technical solutions. Quality is built in all EKC products right from the design stage. Our seamless pressure vessels are produced from High grade alloy steel pipes that are produced to meet strict tolerances and material specifications as per regulatory compliances. Each vessel passes through ISO: 9001 defined quality systems and relevant inspection tests such as Metallographic Analysis, Hydraulic Test, Cyclic Loading Test, Magnetic Particle Test, Ultrasonic Test, and Leakage test. Strict Quality control processes are monitored by the regulatory authority or independent inspection agency as defined by the customer.

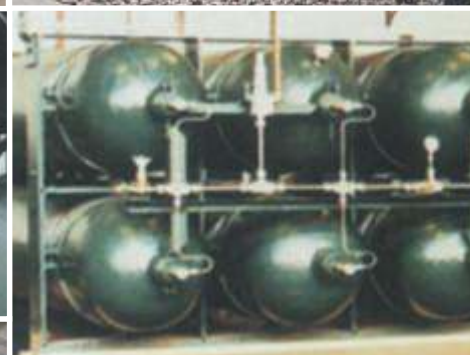
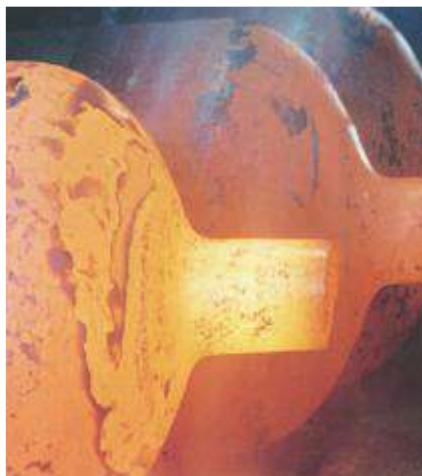
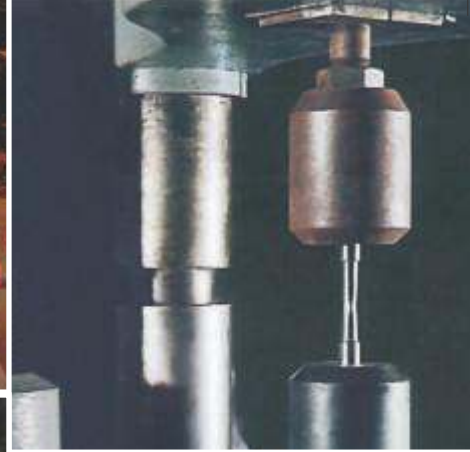
## NON-EMBRITTLING GASES

Size OD (mm)	Working Pressure (bar)	Water Capacity (lit) ±5%	Length (mm) ±50	Avg. Weight (Kg) ±10%	Capacity in M3 at 15 °C		
					Air	N2	Helium
356	200	200	2530	195	48.7	41.8	40.0
356	200	400	4750	355	97.4	83.6	80.0
356	200	600	6960	515	145.9	125.4	120.0
356	200	975	11120	820	237.2	203.6	195.1
406	200	200	2040	200	48.7	41.8	40.0
406	200	400	3740	360	97.4	83.6	80.0
406	200	600	5440	520	145.9	125.4	120.0
406	200	1000	8840	835	243.3	208.9	200.1
406	250	200	2090	260	60.8	52.2	49.9
406	250	400	3840	465	121.6	104.4	99.9
406	250	600	5590	670	182.3	156.6	149.9
406	250	1000	9100	1090	303.9	260.9	249.9
432	280	200	2075	465	68.0	58.5	55.9
432	280	300	2920	650	102.0	87.7	83.9
432	280	400	3760	840	136.0	116.9	111.9
432	280	500	4600	1025	170.0	146.1	139.9
432	280	600	5450	1210	204.0	175.4	167.9
508	200	258	1780	430	62.8	54.0	51.7
508	200	400	2700	615	97.4	83.6	80.0
508	200	500	3260	740	121.7	104.5	100.0
508	200	600	3840	870	145.9	125.4	120.0
508	200	700	4410	1000	170.4	146.3	140.0
508	200	750	4700	1060	182.5	156.8	150.1
559	200	1000	5170	1300	243.3	208.9	200.1
559	200	1500	7520	1860	364.9	313.5	300.2
559	200	2000	9870	2420	486.6	417.9	400.3
559	200	2100	10340	2530	510.9	438.9	420.3
559	200	2150	10570	2585	523.0	449.2	430.3
559	200	2200	10810	2640	535.3	459.8	440.3
559	200	2250	10975	2775	547.4	470.3	450.3
559	200	2300	11140	2910	559.6	480.7	460.4
559	250	1000	5200	1425	303.8	260.9	249.9
559	250	1500	7640	2100	455.8	391.5	374.9
559	250	2000	10025	2560	607.7	521.9	499.9
559	250	2125	10620	2725	645.6	554.6	531.0
559	250	2200	10770	2790	668.4	574.2	550.0
559	250	2250	11015	2860	683.6	587.2	562.4
610	200	1500	6300	1825	364.9	313.5	300.3
610	200	2000	8250	2380	486.6	417.9	400.3
610	200	2250	9225	2660	547.4	470.3	450.4
610	200	2500	10200	2940	608.3	522.5	500.4
610	250	1500	6520	2340	455.8	391.5	374.9
610	250	2000	8540	3050	607.6	521.9	499.9
610	250	2250	9550	3410	683.6	587.2	562.4
610	250	2500	10560	3770	759.6	652.4	624.8

## EMBRITTLING GASES

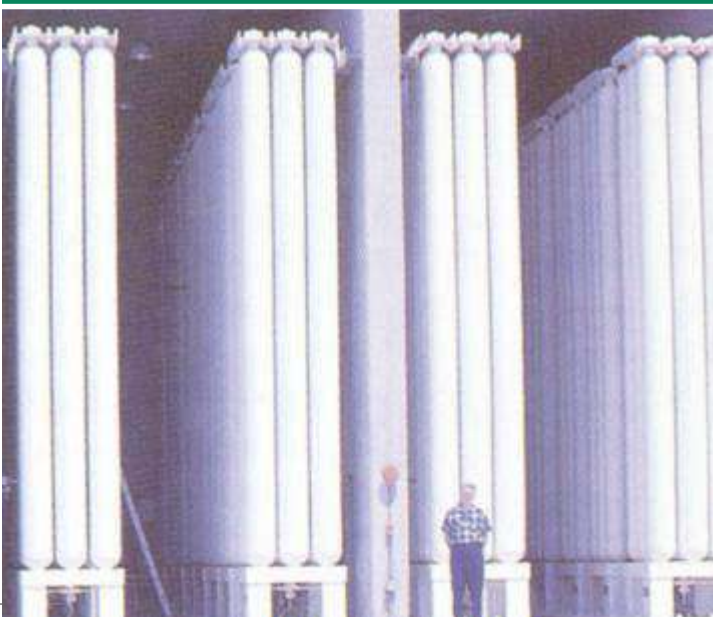
Size OD (mm)	Working Pressure (bar)	Water Capacity (lit) ±5%	Length (mm) ±50	Avg. Weight (Kg) ±10%	Capacity in M3 at 15 °C	
					Hydrogen	CNG
356	200	200	2610	260	35.8	51.4
356	200	400	4900	480	71.6	102.8
356	200	600	7200	700	107.4	154.2
356	200	975	11120	1110	174.5	250.6
406	200	200	2110	275	35.8	51.4
406	200	400	3870	490	71.6	102.8
406	200	600	5630	715	107.4	154.2
406	200	1000	9150	1150	178.9	256.9
406	250	200	2180	350	44.6	64.2
406	250	400	4000	630	89.4	128.4
406	250	600	5825	910	134.2	192.6
406	250	1000	9470	1475	223.6	320.9
559	200	1000	5170	1300	178.9	256.9
559	200	1500	7520	1860	268.5	385.5
559	200	2000	9870	2420	357.9	513.9
559	200	2100	10340	2530	375.9	539.7
559	200	2150	10570	2585	384.9	552.5
559	200	2200	10810	2640	393.8	565.4
559	200	2250	10975	2775	402.8	578.2
559	200	2300	11140	2910	411.7	591.0
559	250	1000	5240	1500	223.6	320.9
559	250	1500	7680	2180	335.3	481.4
559	250	2000	10060	2860	446.9	641.8
559	250	2125	10660	3030	474.9	681.9
559	250	2200	10800	3130	491.7	705.9
559	250	2250	11050	3200	502.9	721.9
610	200	1500	6300	1825	268.5	385.5
610	200	2000	8250	2380	357.9	513.9
610	200	2250	9225	2660	402.8	578.2
610	200	2500	10200	2940	447.5	642.5
610	250	1500	6520	2340	335.3	481.4
610	250	2000	8540	3050	446.9	641.8
610	250	2250	9550	3410	502.9	721.9
610	250	2500	10560	3770	558.8	802.2

**Note :** Jumbo Cylinders (559 mm OD) & Skids are commonly used for all industrial gasses like Nitrogen, Helium, Argon etc. Cylinders having OD 432 mm to 508 mm have a vast potential for Defence & Aerospace application. HIGHER AND INDERMEDIATE WATER CAPACITY CYLINDERS CAN BE SUPPLIED ON REQUEST UPTO A LENGTH OF 11150 mm. For special applications please contact our Marketing Office.





- Eight plants located in India, UAE, China & USA.
- Total production capacity to manufacture over two million cylinders per year.
- Widest range of cylinders from 1 to 3000 litres.
- Largest producer and industry leader of CNG cylinders in Asia.
- Over 1000 Employees worldwide.
- All Plants are certified by ISO & other International standards.





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[www.everestkanto.com](http://www.everestkanto.com)



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GANDHIDHAM, INDIA



KASEZ, INDIA



PLANT I, DUBAI



PLANT II, DUBAI



TIANJIN, CHINA



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