



**VERNI**  
**Gastech Pvt. Ltd.**  
AN ISO 9001:2015 CERTIFIED COMPANY





## **COMPANY PROFILE**

**VERNI GASTECH PVT. LTD.** Is an ISO 9001:2015 Certification Company, Incorporated under the Company Act-1956, the Company is private limited company incorporated in the month of may 2010.

**VERNI** Is promoted by the Verni group. The group having a vast corporate experience in industrial gases product since more than 20 years.

**VERNI** group started a single plant in 1993 capacity of 100 nm<sup>3</sup>, But it has today more than 600 nm<sup>3</sup> capacity of plant. And its annual turnover is more than 50 Crore.

**VERNI** is multi producer of manufacturing & supplying various kind of gases having various industrial and medical uses. Such gas related products are produce to meet the needs of our customers.

**VERNI's** vision is to catering the great market in domestic as well as international by providing quality & Purity products based on customer requirement.

## **PRODUCTION CAPACITY OF THE COMPANY**

The Success of Verni in the das industry is mainly due to the infrastructure developed during the Two decades of operations presently the Group is equipped with the following infrastructure.

Sr. No.	Product Name	Production Capacity
1	Oxygen Gas	600 Nm <sup>3</sup> /h
2	Nitrogen Gas	200 Nm <sup>3</sup> /h
3	Argon Gas	300 Nm <sup>3</sup> /h
4	Carbon Dioxide Gas	700 kg/h
5	Hydrogen Gas	150 Nm <sup>3</sup> /h
6	Helium Gas	100 Nm <sup>3</sup> /h
7	Dry Ice	400 Kg/h
8	PESO Approved Testing Facility	O <sub>2</sub> , N <sub>2</sub> , Ar, Co <sub>2</sub> , Air, He, N <sub>2</sub> O Gas Cylinder
9	PESO Approved Testing Facility	CNG & Hydrogen Gas cyl.
10	Nitrous Oxide	200 Ltr / Hr

No	Chemical Formula	Name	Purity		
			Comm. Grade 99.50%	Lab Grade 99.99% to 99.999%	R&D Grade 99.9995% to 99.9999%
1	Ar	Argon	✓	✓	✓
2	O <sub>2</sub>	Oxygen	✓	✓	✓
3	N <sub>2</sub>	Nitrogen	✓	✓	✓
4	H <sub>2</sub>	Hydrogen	✓	✓	✓
5	CO <sub>2</sub>	Carbon Dioxide	✓	✓	✓
6	Xe	Xenon	✗	✗	✓
7	Ne	Neon	✗	✗	✓
8	Kr	Krypton	✗	✗	✓
9	CO	Carbon Monoxide	✓	✓	✓
10	Sf <sub>6</sub>	Sulfur Hexafluoride	✗	✓	✓
11	C <sub>2</sub> H <sub>6</sub>	Ethane	✓	✗	✗
12	HCL	Hydrogen Chloride	✓	✗	✓
13	H <sub>2</sub> S	Hydrogen Sulfide	✓	✓	✗
14	Ch <sub>4</sub>	Methane	✓	✓	✓
15	C <sub>2</sub> H <sub>4</sub>	Ethylene	✓	✗	✗
16	C <sub>2</sub> H <sub>2</sub>	Acetylene	✓	✓	✗
17	SO <sub>2</sub>	Sulfur Dioxide	✓	✗	✗
18	SIH <sub>4</sub> / N <sub>2</sub>	Silane-Nitrogen Mixture Gas	✓	✗	✗
19	N <sub>2</sub> O	Nitrous Oxide	✓	✗	✓
20	SIH <sub>4</sub>	Silane	✗	✓	✗
21	HBR	Hydrogen Bromide	✓	✗	✗
22	NO	Nitric oxide	✓	✗	✗
23	NO <sub>2</sub>	Nitrogen Dioxide	✓	✗	✗
24	BF <sub>3</sub>	Boron Trifluoride	✓	✗	✗
25	NH <sub>3</sub>	Ammonia	✓	✗	✓
26	He	Helium	✗	✓	✓
27	IC <sub>4</sub> H <sub>10</sub>	Iso.butane / R600a	✓	✓	✗
28	NC <sub>4</sub> H <sub>10</sub>	N.butane / R600	✓	✓	✗
29	C <sub>3</sub> H <sub>8</sub>	Propane	✓	✓	✗
30	C <sub>5</sub> H <sub>12</sub>	Neopentane	✓	✓	✗
31	C <sub>5</sub> H <sub>12</sub>	Isopentane	✓	✓	✗
32	R407c	Refrigerant R407C	✓	✗	✗
33	R410c	Refrigerant R410a	✓	✗	✗
34	R134a	Refrigerant R134a	✓	✗	✗
35	R32	Refrigerant R32	✓	✗	✗
36	R22	Refrigerant R22	✓	✗	✗
37	C <sub>4</sub> H <sub>6</sub>	1,3-Butadiene	✓	✓	✗
38	C <sub>3</sub> H <sub>4</sub>	Propyne	✓	✓	✗
39	C <sub>3</sub> H <sub>6</sub>	Propylene	✓	✓	✗
40	C <sub>4</sub> H <sub>8</sub>	Cis 2 Butene	✓	✓	✗
41	C <sub>4</sub> H <sub>8</sub>	Trans 2 Butene	✓	✓	✗
42	C <sub>4</sub> H <sub>6</sub>	1-Butene	✓	✓	✗
43	COS	Carbonyl Sulfide	✓	✓	✗
44	ETO	EO + Co2	✓	✗	✗
45	EO+N <sub>2</sub>	Fruit Ripening	✓	✓	✗





**ABC TYPE FIRE EXTINGUISHER COVERS A, B, C CLASS OF FIRES WHICH INCLUDES PAPERS, WOOD, CLOTH, RUBBER, PLASTIC & INFLAMMABLE LIQUID LIKE OIL, PETROL, PAINTS, PETROCHEMICAL PRODUCT, RESINS, GASES IN THE COMPRESSED FORM LIKE OXYGEN, ACETYLENES, LPG & CNG, ELECTRICAL & SOPHISTICATED**

FIRE EXTINGUISHER CAPACITY	1 KG	2 KG	4 KG	6 KG	9 KG
TYPE OF FIRE EXTINGUISHER	STORED PRESSURE	STORED PRESSURE	STORED PRESSURE	STORED PRESSURE	STORED PRESSURE
IS STANDARD	( IS-15683)	( IS-15683)	( IS-15683)	( IS-15683)	( IS-15683)
THROW OF JET MAINTAINED	8 Sec	8 Sec	16 Sec	20 Sec	25 Sec
RANGE OF JET	2 mtr	3 mtr	4 mtr	6 mtr	6 mtr
EMPTY. WT (APPROX)	1 Kg	1.3 Kg	2.75 Kg	3.3 Kg	5.35 Kg
FULL WT. (APPROX)	2 Kg	3.3 Kg	6.75 Kg	9.3 Kg	14.35 Kg
FIRE RATING	1 A, 8 B	1 A, 8 B	2 A, 21 B	3 A, 34 B	3 A, 34 B
WORKING PRESSURE	15 KGF/CM <sup>2</sup>	15 KGF/CM <sup>2</sup>	15 KGF/CM <sup>2</sup>	15 KGF/CM <sup>2</sup>	15 KGF/CM <sup>2</sup>
HYDRO PRESSURE	35 KGF/CM <sup>2</sup>	35 KGF/CM <sup>2</sup>	35 KGF/CM <sup>2</sup>	35 KGF/CM <sup>2</sup>	35 KGF/CM <sup>2</sup>
BURSTING PRESSURE	55 KGF/CM <sup>2</sup>	55 KGF/CM <sup>2</sup>	55 KGF/CM <sup>2</sup>	55 KGF/CM <sup>2</sup>	55 KGF/CM <sup>2</sup>

**DRY CHEMICAL FIRE EXTINGUISHER CONTROL A, B & C CLASS OF FIRE LIKE WOOD, PAPER, CLOTH, OIL, PETROL AND PETROLEUM PRODUCT, SOLVENT, PAINTS, VARNISHES, CHEMICALS LIQUIDS. ALL FLAMMABLE**

FIRE EXTINGUISHER CAPACITY	4 KG	6 KG. ABC	9 KG. ABC	25 KG	50 KG	75 KG
TYPE OF FIRE EXTINGUISHER	CARTRIDGE TYPE	CARTRIDGE TYPE	CARTRIDGE TYPE	CO <sub>2</sub> TYPE	CO <sub>2</sub> TYPE	CO <sub>2</sub> TYPE
IS STANDARD	( IS-15683)	( IS-15683)	( IS-15683)	( IS-16018)	( IS-16018)	( IS-16018)
THROW OF JET MAINTAINED	20 Sec	20 Sec	25 Sec	25 Sec	40 Sec	50 Sec
RANGE OF JET	4 mtr	4 mtr	6 mtr	6 mtr	8 mtr	10 mtr
EMPTY. WT (APPROX)	4.2 Kg	5.2 Kg	7.05 Kg	30 Kg	60 Kg	75 Kg
FULL WT. (APPROX)	8.2 Kg	11.2 Kg	16.05 Kg	55 Kg	110 Kg	150 Kg
FIRE RATING	2 A, 21 B	3 A, 34 B	3 A, 34 B	20 A, 233 B	20 A, 233 B	20 A, 233 B
WORKING PRESSURE	15 KGF/CM <sup>2</sup>	15 KGF/CM <sup>2</sup>	15 KGF/CM <sup>2</sup>	15 KGF/CM <sup>2</sup>	15 KGF/CM <sup>2</sup>	15 KGF/CM <sup>2</sup>
HYDRO PRESSURE	35 KGF/CM <sup>2</sup>	35 KGF/CM <sup>2</sup>	35 KGF/CM <sup>2</sup>	35 KGF/CM <sup>2</sup>	35 KGF/CM <sup>2</sup>	35 KGF/CM <sup>2</sup>
BURSTING PRESSURE	55 KGF/CM <sup>2</sup>	55 KGF/CM <sup>2</sup>	55 KGF/CM <sup>2</sup>	55 KGF/CM <sup>2</sup>	55 KGF/CM <sup>2</sup>	55 KGF/CM <sup>2</sup>

**CARBON DIOXIDE TYPE FIRE EXTINGUISHER ARE SUITABLE FOR B & C CLASS OF FIRES INVOLVING ALL FLAMMABLE LIQUIDS, GASES, LIVE & DELICATE, MACHINERY FIRES, ELECTRICAL & SOPHISTICATED**

FIRE EXTINGUISHER CAPACITY	2 KG	3 KG	4.5 KG	6.5 KG	9 KG	22.5 KG
TYPE OF FIRE EXTINGUISHER	CO <sub>2</sub> TYPE	CO <sub>2</sub> TYPE	CO <sub>2</sub> TYPE	CO <sub>2</sub> TYPE	CO <sub>2</sub> TYPE	CO <sub>2</sub> TYPE
IS STANDARD	( IS-15683)	( IS-15683)	( IS-15683)	( IS-16018)	( IS-16018)	( IS-16018)
THROW OF JET MAINTAINED	15 Sec	18 Sec	20 Sec	25 Sec	35 Sec	45 Sec
RANGE OF JET	2 mtr	3 mtr	3 mtr	4 mtr	4 mtr	4 mtr
EMPTY. WT (APPROX)	6.2 Kg	9.5 Kg	12.5 Kg	20 Kg	26 Kg	43.5 Kg
FULL WT. (APPROX)	8.2 Kg	12.5 Kg	17 Kg	26.5 Kg	35 Kg	66 Kg
FIRE RATING	13 B	21 B	21 B	55 B	55 B	89 B
WORKING PRESSURE	60 KGF/CM <sup>2</sup>	60 KGF/CM <sup>2</sup>	60 KGF/CM <sup>2</sup>	60 KGF/CM <sup>2</sup>	60 KGF/CM <sup>2</sup>	60 KGF/CM <sup>2</sup>
HYDRO PRESSURE	250 KGF/CM <sup>2</sup>	250 KGF/CM <sup>2</sup>	250 KGF/CM <sup>2</sup>	250 KGF/CM <sup>2</sup>	250 KGF/CM <sup>2</sup>	250 KGF/CM <sup>2</sup>
BURSTING PRESSURE	600 KGF/CM <sup>2</sup>	600 KGF/CM <sup>2</sup>	600 KGF/CM <sup>2</sup>	600 KGF/CM <sup>2</sup>	600 KGF/CM <sup>2</sup>	600 KGF/CM <sup>2</sup>

## PURGING / PNEUMATIC TEST

Nitrogen Purging helps maintain the purity of gases and prevents damaging explosive reactions. Nitrogen is commonly used for the job as it is an inert gas. It also works as a better alternative to water or any other pressure-testing source for reduced cost, enhanced safety and better environmental impact.

Verni Gastech Pvt. Ltd. provides quality purging services. Our advanced systems ensure safe delivery of the pressurized nitrogen gas and unmatched performance. The pneumatic testing facilities we offer are both economic and convenient.



## REGULATORS / VALVES

A pressure regulator is a control valve that reduces the input pressure of gases to a desired value at its output. Regulators are used for gases and liquids, and can be an integral device with an output pressure setting, a restrictor and a sensor all in the one body, or consist of a separate pressure sensor, controller and flow valve. Our stainless steel and brass regulators provide the highest quality available in terms of construction, flexibility and integrity. These regulators are widely used in applications which requires high pressure and gas purity.



Cylinder valve - first and basic equipment for gas control. Assembled directly to gas cylinder keeps high pressure under control. Assures safety and convenience for user. Additional technical features like bursting disc, flow limiter, residual pressure valve, protect not only user but as well gas cylinder. We provide high pressure cylinder brass valves for different types of gas cylinders like Oxygen, Nitrogen, Argon, CO2 and Fire extinguishers.



## LIQUID CYLINDERS / MICRO BULK

Liquid cylinders are used for the storage, transport distribution of Nitrogen (N<sub>2</sub>), Argon (Ar), Oxygen (O<sub>2</sub>), Carbon dioxide (CO<sub>2</sub>). Most of the products provide the possibility of distribution in the gas phase as well as in the liquid phase. They are very comfortable to handle, vacuum insulated and economical. They are made of Stainless steel and are equipped with a pressure regulator and integrated Pressure Building Unit (PBU).

These containers are widely used in local storage, supply cryogenic liquid gas, welding, cutting and many more applications.





## LIQUID / BULK SUPPLY GASES



Bulk deliveries by truck provide a safe, reliable supply option of high purity gases like Oxygen, Nitrogen, Argon and Carbon Dioxide. The liquid is delivered by our dedicated fleet of cryogenic tankers into vacuum insulated bulk storage vessels at customer's premises.

Verni is also one of the leading supplier of Bulk Hydrogen Gas. Company is equipped with more than 50 hydrogen gas banks with various gas capacity supplying through out India.

Bulk Hydrogen is supplied in high pressure gas cylinders having capacity of 160 liters @200 bar pressure for on site consumption .

## **HYDRAULIC TEST STATION FOR HIGH PRESSURE CYLINDERS.**



We have PESO approved cylinder testing facilities for both CNG Hydrogen and all types of Industrial gas Cylinders such as:

**Oxygen - Nitrogen - Argon - Carbon Dioxide - Hydrogen - Helium - Nitrous Oxide. etc**

## MEDICAL GASES

<b>FOR RESPIRATION</b> Oxygen Gas as per L.P. 2010	<b>FOR PULMONARY FUNCTION TEST</b> 0.3CO, + 14% HE +18% O <sub>2</sub> + N <sub>2</sub> Balance
<b>FOR BLOOD GAS ANALYSIS</b> 10% Co, + 90% Nitrogen 8% Co, +92% Oxygen 5% Co, + 12% O <sub>2</sub> + 83% Nitrogen	<b>FOR LUNG DIFFUSION TEST MIXTURES</b> Thousand PPM CO in O <sub>2</sub> / N <sub>2</sub> mixture 0.3%CO + 10% HE in O <sub>2</sub> +N <sub>2</sub> Mixture
<b>FOR BLOOD GAS ANALYSIS</b> Anaerobic Growth Mixtures 5% H <sub>2</sub> + 10% Co <sub>2</sub> + 85% N <sub>2</sub> 10% H <sub>2</sub> + 10% CO <sub>2</sub> + 80% N <sub>2</sub> 10% H <sub>2</sub> + 5% CO <sub>2</sub> + 85%N <sub>2</sub>	<b>FOR IN VITRO FERTILIZATION</b> TRI Gas Liquid Nitrogen
	<b>FOR ANAESTHESIA :</b> Nitrous Oxide
	<b>FOR ANAESTHESIA :</b> 4% CO <sub>2</sub> + 96% O <sub>2</sub> 10% CO <sub>2</sub> + 90% O <sub>2</sub>

## GROUP COMPANIES

### VERNI GAS CORPORATION ( SURAT)



### VERNI GASES ( DAHEJ)



### SHREEJI GAS CORPORATION ( SACHIN)



### VERNI AIR PRODUCTS ( VAPI)



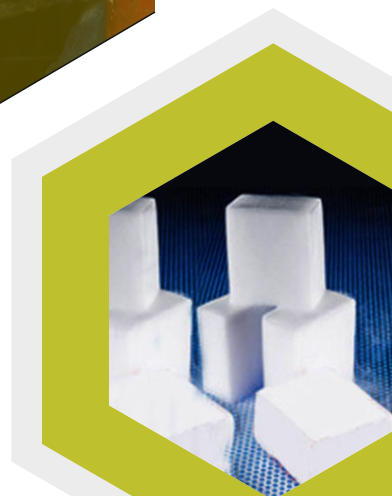


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## **VERNI GASTECH PVT LTD.**

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