



Unic Care Technologies

We do breath OXYGEN

**PSA / VPSA
ONSITE OXYGEN
GENERATING
PLANT**



www.uniccare.com



info@uniccare.com



Unic Care Technologies

ESTABLISHED IN 2009 BY AN YOUNG AND DYNAMIC ENGINEER

Core Activities

Unic Care Technologies is primarily into manufacturing of "Oxygen & Nitrogen generating plant based on PSA & VPSA technologies"

12

12 Years experience



Strong Team

Strong Team With Dynamic Engineers



Collaborations and Partnerships with world leaders in Gas Generation field.



Smart Inventory of components for short delivery time



Service Support


We are only a phone call away for full diagnostic support and any assistance required



Smart R&D Team

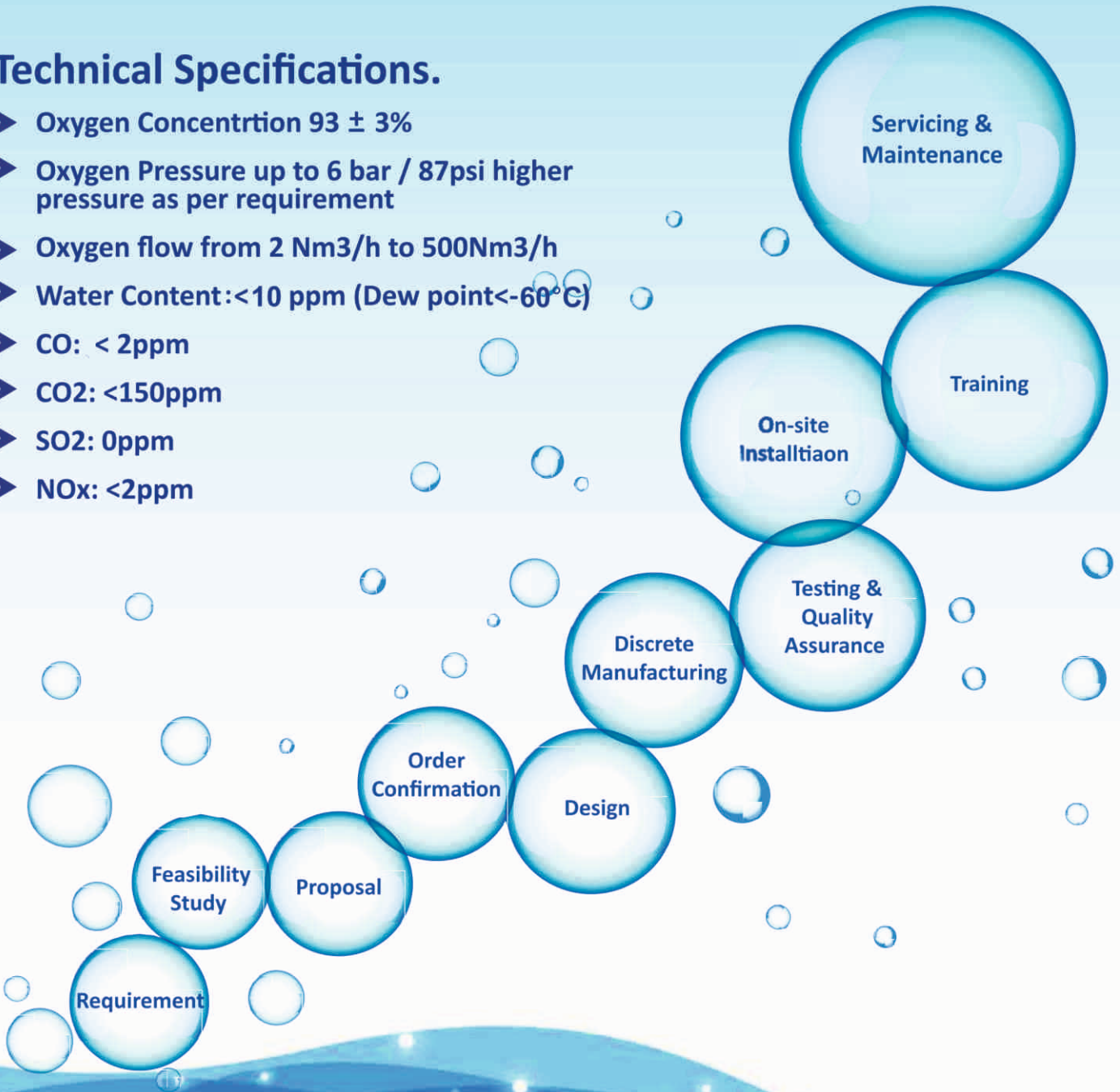
Which keeps innovating & refining the technology and reduce costs



Products are indigenously designed and devised by our engineers adapting global standards ( ASME - American Society of Mechanical Engineers) to match similar products elsewhere with better efficiency and reliability at best cost. Minimum expected life of PSA Oxygen Plant is 9 years.

Technical Specifications.

- Oxygen Concentration $93 \pm 3\%$
- Oxygen Pressure up to 6 bar / 87psi higher pressure as per requirement
- Oxygen flow from 2 Nm³/h to 500Nm³/h
- Water Content: <10 ppm (Dew point <-60° C)
- CO: < 2ppm
- CO₂: <150ppm
- SO₂: 0ppm
- NO_x: <2ppm



A Certified Quality Management System UNIC CARE has setup a quality system that meets the requirement of ISO 9001 and is annually certified by Singapore Accreditation Services for Certification Bodies (SACB), Singapore, an independent notified body for quality management.



PSA Medical Oxygen Plant Over View



ADVANTAGE OF PSA /VPSA ONSITE OXYGEN GENERATING PLANT

Why better than Oxygen Cylinders?



Cost Saving:
Saves 60 to 80% cost on Oxygen.



Safety:
System is safer than Cylinder Oxygen.



Purity :
One cannot assure purity of Oxygen In Cylinder, from being unorganized suppliers.



Filled Capacity:
One can never be assured of filling Capacity of Cylinders.



Prevents Losses:
10% is always a loss before change over of Cylinder.



Less Manpower:
Cylinder system needs 3 person in 8 hours shift to change Cylinder banks.



Reduces Overheads:
Stock maintenance, billing etc. Involves cost.

Why better than Liquid Oxygen?



Cost Saving:
Saves 50 to 60% cost on Oxygen.



Safety:
System is much safer than Liquid Oxygen.



No Need of N.O.C
from Chief Controller of Explosive, Nagpur.



Saves Space:
Our System is compact. It can be installed on terrace, room or hall.



No Losses:
Does not have heat transmission.

APPLICATION

UNIC CARE Technologies Oxygen Generators provides oxygen purities at $93 \pm 3\%$. They have a wide range of applications. Some of the most common applications are



TECHNICAL SPECIFICATION

Oxygen Model	O ₂ Flow Rate at Nm ³ /hr	O ₂ Flow Rate at LPM	Equal No of Cylinders Per Day	Equivalent Liquid oxygen (liters / Day)	No of Normal Bed (5 LPM Consumption)	No of ICU Bed (15 LPM Consumption)
UNIC OXY 3	3	50.00	10	90	10	3
UNIC OXY 5	5	85.33	17	150	16	5
UNIC OXY 8	8	133.33	27	240	26	8
UNIC OXY 10	10	166.66	34	300	33	11
UNIC OXY 15	15	250.00	51	450	50	15
UNIC OXY 20	20	333.33	68	600	66	22
UNIC OXY 25	25	416.66	85	750	83	27
UNIC OXY 30	30	500.00	102	900	100	33
UNIC OXY 40	40	666.66	137	1200	133	44
UNIC OXY 50	50	833.33	171	1500	166	55

Oxygen Purity : $93\% \pm 3$
 Oxygen Pressure : $4 \text{ bar g} \pm 0.5 \text{ bar g}$
 Air Pressure : 7 bar g
 Air Inlet Temperature : 40 deg C
 Air Quality : ISO 8573-2010 Class1-4-1

Alarms and Mimic Display :
 An optional Mimic display panel and audiovisual alarm shall be supplied for better monitoring of the system functions.

Adjustable Purity :
 All standard models have online oxygen analyzer and purity can be adjustable on field, when different purity required.

OUR TOP MOST CLIENTS



RAJIV GANDHI
HOSPITAL CHENNAI



Integral Coach Factory



Rotary



Devi Seafoods

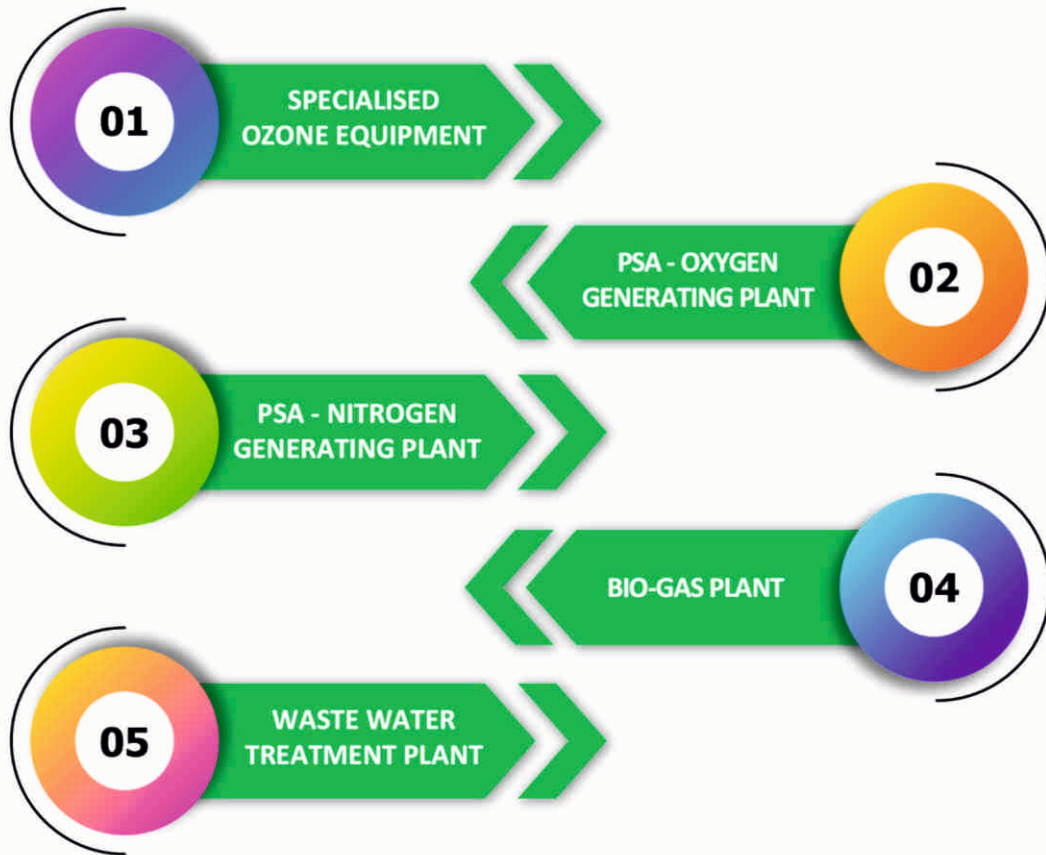


IN ASSOCIATION WITH





INDIA'S LEADING MANUFACTURER OF ...



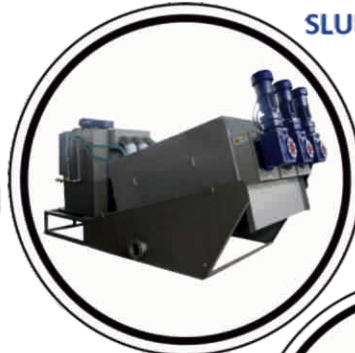
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OUR PRODUCT RANGE

**NITROGEN
PLANT**



**SLUDGE DEWATERING
SCREW PRESS**



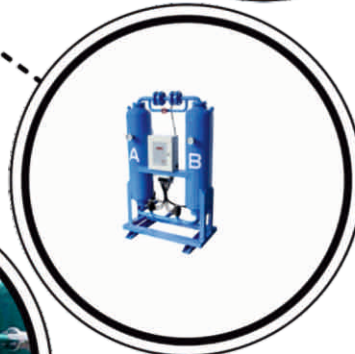
**REFRIGERATED
AIR
DRYER**



**OZONE
GENERATOR**



**Desiccant Air
Dryer**



**BIOGAS PLANT
(CONSULTANT & MANUFACTURE)**



**STP & ETP
(CONSULTANT & MANUFACTURE)**



REGISTERED OFFICE

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