



**ARKA MULTITECH PVT LTD
CHENNAI . INDIA**

MEDICAL PSA OXYGEN GENERATOR

- ✓ LOW ENERGY CONSUMPTION
- ✓ LONG LIFE
- ✓ SMART ALGORITHM



ISO
9001
Certified

ISO
13485
Certified

ARKA MULTITECH PVT LTD
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ARKA actively working in the hospital Medical Gas Pipeline Systems (MGPS) to offer technical service solutions. It offers a single point of procurement services to the medical gas system. The vision of our firm is to fulfill international standards in customer demands without compromising critical value, ensure customer satisfaction and aims to raise the quality of life of patients.

Solutions That Make Value Continuing its work without sacrificing the quality of service, Medfreshe which acts as a partner to all its customers, with its expertise, experience, knowledge and a more creative and innovative approach offers more usable and valuable solutions...

ARKA watching very closely all developments related to the sector it serves world, technological innovations and their applications in certain has been working to bring its customers. With a young and dynamic team structure, our customers fast, offers quality and affordable solutions.

PSA OXYGEN GENERATOR

Advantages :

- ✓ Reduction of oxygen cost
- ✓ Safe low-pressure oxygen usage instead of explosive high-pressure cryogenic cylinders
- ✓ Elimination of logistical and administrative operations
- ✓ Elimination of orders and deliveries
- ✓ Ready to use high technology solutions

Key Features :

- ✓ Medical Oxygen from 93% to 95%
- ✓ Medical Device CE
- ✓ Medical Grade Oxygen Filtration
- ✓ High Efficiency Molecular Sieve+
- ✓ Smart Algorithm
- ✓ Real Time Monitoring
- ✓ Remotely Manageable via Ethernet
- ✓ Fully Automatic 24/7
- ✓ 10.1-inch-Wide Touch Panel
- ✓ User Friendly Interface
- ✓ Recording Capabilities and Data Logging
- ✓ Multi-level secured access for supervisory control
- ✓ Multi language
- ✓ Visual recommended service maintenance reminders
- ✓ Real time trends of process parameters

Specifications

- ✓ ATLAS-COPCO owned EKOMAK Compressor
- ✓ ATLAS-COPCO owned EKOMAK Dryer
- ✓ AMERICAN & SWISS brand ZEOCHEM Zeolite+
- ✓ SMC Pneumatics and Valves
- ✓ SIEMENS Electric Equipments
- ✓ Medical Grade Filters
- ✓ Certified Pressure Vessels
- ✓ Stainless Steel Pipes
- ✓ 1 O₂ Sensor
- ✓ 4 Pressure Sensor
- ✓ 1 Temperature Sensor
- ✓ 1 Dew Point Sensor

Details of the PSA Oxygen Generator

SPECIFICATION	
Oxygen Purity (%)	Up to %95
Principle of Operation	Smart Algorithm
Real Time Monitoring	Yes
Real Time Animation	Yes
Remotely Manageable via Ethernet	Yes
Fully Automatic (7/24)	Yes
User Interface	10.1" Touch Panel
Data Logging	Yes
Service Reminder	Yes
Periodic Maintenance	Every 2.000 working hours
Compressor	EKOMAK
Compressor Pressure	8-10 bar(g)
Dryer	EKOMAK
Zeolite	Zeochem+ (Swiss)
Tanks	15 bar(g)
Valves	SMC (Japan)
Pressure Regulators	SMC (Japan)

Medical Oxygen Sensor (FDA)

Zirconia

Pressure Sensors

Keller (Swiss)

Temperature Sensors

PT100

Dew Point Sensor

Gentek

Electronic Board Components

American Brand

Electric Components

Siemens

Filters

Medical Grade

- ✓ It produces 4-6 bar %93±3 oxygen.
- ✓ Atlas Copco owned Ekomak Compressor
- ✓ Atlas Copco owned Ekomak Dryer (+3 degree dew point)
- ✓ Oxygen Generator
- ✓ Air Tank
- ✓ Oxygen Tank
- ✓ All the necessary filters, such as; water separator, dust filter, fine filter, very fine carbon filter, sterile filter.

Arka Multitech Private Limited

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PSA Oxygen Gas Generator Plant Models

S.No	Capacity of Oxygen Generation Plant		Qty	Unit	Normal Delivery time
	L/min	m3/h			
1	70	4	1	Set	4- 8 weeks
2	100	6	1	Set	4- 8 weeks
3	150	9	1	Set	4- 8 weeks
4	200	12	1	Set	4- 8 weeks
5	300	18	1	Set	4- 8 weeks
6	500	30	1	Set	6- 12 weeks
7	750	45	1	Set	6- 12 weeks
8	1000	60	1	Set	6- 12 weeks
9	1500	90	1	Set	6- 12 weeks
10	1800	108	1	Set	8- 14 weeks
11	2400	144	1	Set	8- 14 weeks