

## PSA Oxygen generators

No need for truckloads of Cryogenic O<sub>2</sub> or high pressure bottles, when OXYMAT units can produce O<sub>2</sub> on-site in the quantity you require by the "Pressure Swing Adsorption" method.

OXYMAT oxygen systems are designed for 24 hour continuous trouble free operation and are fully automatic process controlled with double absorbers for continuous oxygen production and delivered complete with compressor, air conditioner and storage tanks ready for installation. You only need to install the electric power.

## OXYMAT series

The OXYMAT series are available in several standard models with capacity in the range from 1 to 240 Nm<sup>3</sup>/h. The generators are designed for 24 hour continuous trouble free operation. The OXYMAT series produce up to 95% pure Oxygen (the rest ~ 5% is Argon, Ar) at 3,5 bar(g) outlet pressure. All models can be supplied with an oxygen monitor displaying the actual Oxygen purity and relay for alarm. Factory set point is 90% but this can easily be changed.

OXYMAT oxygen receivers are approved as per EU-regulation PED 97/23/EF. The air receiver tanks are supplied with automatic water drain valve, pressure gauge and security valve. The water drain is controlled from the OXYMAT unit.



## The Oxygen and Nitrogen Generator Company

OXYMAT A/S has manufactures oxygen generator systems since 1978 and nitrogen since 2001. More than 350 plants are supplied world wide.

All OXYMAT and NITROMAT units are made in accordance with EU regulations especially regarding pressure vessels (EN 286-1) and are CE-approved.



## Options

All OXYMAT units can be supplied with an advanced touch screen monitoring system. The touch screen is very easy to operate and gives you full overview of purity, process, pressure and automatically check of valves. Alarms from the system can optional be sent as a SMS message to your cellular phone. All OXYMAT units can be upgraded to medical use supplying up to 95% pure oxygen. The OXYMAT series can be supplied wit oxygen compressors delivering up to 200 bar(g) and manifold for bottle filling.

OXYMAT also deliver OXYMAT Concentrators wich is turn key units. Just plug in the power cord and turn the unit on for quiet, reliable maintenance free 24 hour continuous delivery of high purity oxygen. Oxyomat concentrators are available in 4 sizes with capacity from 4 to 11 litres/min.

OXYMAT A/S supplies complete systems or parts hereof to client requirement.

More than 20 years of research and development combined with high knowledge and experience about oxygen and nitrogen applications has made it possible to manufacture generators of outstanding quality and in range of several standard models, which is unequalled by any other manufacturer.

<b>Model</b>	<b>Flow Purity</b>	<b>Nm<sup>3</sup>/hour (90%)</b>	<b>Kilo/hour (90%)</b>	<b>Litre/min (90%)</b>	<b>Air Consumption Nm<sup>3</sup>/min</b>
O-10		0,6	0,8	10	0,12
O-20 ver. 1		0,9	1,2	15	0,17
O-20 ver. 2		1,2	1,6	20	0,24
O-40 ver. 1		1,8	2,4	30	0,32
O-40 ver. 2		2,6	3,4	43	0,47
O-70 ver. 1		3,3	4,3	55	0,6
O-70 ver. 2		4,9	6,5	82	0,89
O-100 ver. 1		6,9	9,0	115	1,,26
O-100 ver. 2		8,7	11,4	145	1,71
O-170 ver. 1		9,6	12,6	160	1,71
O-170 ver. 2		10,8	14,2	180	1,93
O-230		15,0	19,7	250	2,68
O-330 ver. 1		18,0	23,6	300	3,26
O-330 ver. 2		21,0	27,5	350	3,77
O-330 ver. 3		25,5	33,4	425	4,53
O-600 ver. 1		30,0	39,3	500	5,50
O-600 ver. 2		37,8	49,6	630	6,90
O-800 ver. 1		44,4	58,2	740	8,04
O-800 ver. 2		52,2	68,4	870	9,48
O-800 ver. 3		57,0	74,7	950	10,32
O-1200 ver. 1		78,0	102,3	1300	14,16
O-1200 ver. 2		84,0	110,1	1400	15,24
O-1450 ver. 1		90,0	118,0	1500	16,62
O-1450 ver. 2		108,0	141,6	1800	20,04
O-2000		132,0	173,1	2200	24,06
O-2250		156,0	204,5	2600	28,32
O-3000 dual bed		198,0	259,6	3300	36,18
O-3600 dual bed		240,0	314,6	4000	43,80