

Oxygen Generator



ULTRACON

Oxygen Supply Systems



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The ULTRACON Generator can be used to produce Oxygen from compressed air, which is fed to the unit that uses adsorption phenomena to remove the contaminants like H₂O and CO₂ and other minor contaminants.

The PSA technology unit contains two columns. Each column undergoes a cyclic sequence of high and low pressure steps that guarantees the production of a continuous flow with high purity.

In the high pressure step, the adsorbent retains the contaminants present in the compressed air and the desired gas (O₂) is obtained. The regeneration is accomplished in the low pressure step, with the release of contaminants retained by the adsorbent.

Advantages

- Reduction of 90% of Oxygen costs;
- Elimination of the logistic and administrative operations;
- Elimination of orders and deliveries;
- Low pressure non-cryogenic solution;
- Certified quality management system according to ISO 13485;
- Certified generators and systems according to medical devices directive 93/42/EEC;
- Container and skid-mounted solutions available;
- Time meter;
- High pressure safety shutdown;
- Low inlet pressure shutdown;
- Safety valves.

Technical Specifications

MODEL	93%			AIR CONSUMPTION		95%			AIR CONSUMPTION	
	Nm3/h	NI/min	SCFH	Nm3/h	Nm3/h	NI/min	SCFH	Nm3/h	Nm3/h	
1	0,32	5,3	11,2	3,5	0,3	4,7	9,9	3,5	3,5	
2	0,78	13	27,4	8,6	0,7	11,4	24,1	8,5	8,5	
3	1,1	18	38	12	0,9	16	33	12	12	
4	3,1	52	109	35	2,5	42	88	32	32	
5	4,6	77	162	52	3,8	63	134	47	47	
6	6,5	108	230	74	5,3	88	187	66	66	
7	8	133	282	90	6,5	108	230	81	81	
8	9,5	158	335	108	7,8	130	275	97	97	
9	12,4	207	438	141	10,1	168	357	126	126	
10	18,2	303	643	206	14,8	247	523	185	185	
11	26,2	437	925	296	21,3	355	752	266	266	
12	36,5	608	1289	413	29,7	495	1049	371	371	
13	43,5	725	1536	492	35,3	588	1246	442	442	
11D	52	874	1850	592	42,6	710	1504	532	532	
14	55,7	928	1967	629	45,2	753	1596	566	566	
12D	73	1216	2578	826	59,4	990	2098	742	742	
15	82,65	1378	2918	934	67,16	1119	2372	839,5	839,5	
14D	111,4	1856	3934	1258	90,4	1506	3192	1132	1132	

