

OXYGEN GENERATORS



0,6-390
m³/h

0,35-229,5
cfm

Thanks to the PSA technology utilized by Hertz Oxygen Generators, you can produce oxygen gas with up to 95 % purity within the capacity range of 0.5-2000 Nm³/h.

These generators produce oxygen from the compressed air available. The compressed air is cleaned by pre-filtration which eliminates impurities, such as humidity, oil vapours, particles and hydrocarbons.

The filtrated compressed air is directed to ozolite filled columns. While the compressed air is passing through the generator, the nitrogen and carbon dioxide molecules are removed and the pressure dew point is lowered. The generated oxygen gas is clean, dry and of high purity so that it can be used for a wide variety of applications.

The parameters such as compressed air temperature, pressure, oxygen purity and oxygen pressure are all monitored continuously. Hertz oxygen generators guarantee sustainable and high efficiency production.

Pneumatic valves that ensure regular flow of air and oxygen during the process are manufactured from AISI 316L noncorrosive material. Owing to its long operation life, it provides problem free production for long years. Moreover, 316L stainless steel valves no need for maintenances.

Advantages

- Consistently high purity guaranteed
- Low compressed air consumption and maintenance costs
- Ease of use and maintenance
- Instant monitoring and recording of parameters such as purity, pressure, flow rate on the screen
- Visual and audio alarms for various parameters
- Fully automatic operation

Optional

- Remote control
- Siemens S/1200 PLC
- Flowmeter

Model	Free Oxygen Delivery @ Following Purity Level					
	90%		93%		95%	
	m ³ /h	cfm	m ³ /h	cfm	m ³ /h	cfm
H02 10	0,8	0,47	0,7	0,41	0,6	0,35
H02 20	1,4	0,82	1,2	0,71	1	0,59
H02 30	2,6	1,53	2,4	1,41	2,1	1,24
H02 40	3,8	2,24	3,5	2,06	3,2	1,88
H02 60	5,6	3,3	5,1	3	4,5	2,65
H02 100	9,8	5,77	8,5	5	8	4,71
H02 120	12,5	7,36	11,5	6,77	10	5,89
H02 150	15	8,83	13,5	7,94	12,3	7,24
H02 200	20	11,77	17	10	16	9,42
H02 300	30	17,66	26,9	15,83	25	14,71
H02 400	42	24,72	38	22,36	35	20,6
H02 600	60	35,31	55	32,37	50	29,43
H02 800	80	47,08	73,5	43,25	67	39,43
H02 1000	105	61,79	95	55,91	90	52,97
H02 1400	140	82,39	125	73,56	110	64,74
H02 1500	155	91,22	140	82,39	128	75,33
H02 2000	195	114,76	176	103,58	160	94,16
H02 2500	245	144,18	225	132,41	205	120,64
H02 3000	295	173,61	265	155,95	245	144,18
H02 4000	390	229,52	355	208,92	325	191,26

CMS CORRECTION FACTORS									
Temperature °C	10	15	20	25	30	35	40	45	50
Correction Factor	1	1	1	1	0,94	0,86	0,81	0,77	0,72

AIR INLET FACTORS				
Pressure (bar[g])	6	6,5	7	7,5
Correction Factor	0,9	0,95	1	1

AIR FACTORS			
Purity (%)	90	93	95
Air/Oxygen Ratio	11,5	12	12

PRESSURE DROP (AIR INLET - GENERATOR OUTLET)			
Purity (%)	90	93	95
Pressure (bar[g])	1,5	1,5	2