



2,5 - 4,3 barg
operating pressure

5 to 50 °C
operating temperature range

< -60 °C
dew point (at ambient pressure)

0,41 to 6,76 Nm³/h
O₂ capacity

up to 95 %
O₂ purity

DESCRIPTION

OC-GEN PSA generators have been designed for continuous separation of oxygen from compressed air. Operation of the generator requires two columns operated alternately.

Separation takes place under pressure in the first column while the second column regenerates with a portion of already produced oxygen at ambient pressure. Generator consists from upper and lower control block, controller, two columns filled with adsorption material.

Whole generator is closed in compact stainless steel cabinet. Springs in the columns make sure that the adsorption material will not move during operation. Proven robust design enables efficient and reliable operation, fast installation and simple maintenance.

APPLICATIONS

- Aquaculture
- Feed Gas for Ozone Generators
- Glass blowing
- Aquaculture
- Wellness
- Food processing
- Welding, Brazing
- Laboratories

OC-GEN SERIES

COMPACT PSA OXYGEN GENERATORS



STANDARD EQUIPMENT

- Set of external feed air filters
- Adsorber vessels in aluminium
- Long life solenoid valves
- Internal piping
- Oxygen and air flow regulation
- Product pressure transmitters

OPTIONAL EQUIPMENT

- Oxygen sterile filters
- Oxygen booster
- Oxygen cylinder filling system


TECHNICAL DATA

Type	Connection		Dimensions [mm]							Mass
	In	Out	A	A*	B	B*	C	C*	D	kg
OC-GEN 0,5	G 3/8"	G 3/8"	573	715	280	480	100	130	354	13,5
OC-GEN 0,8	G 3/8"	G 3/8"	1041	1105	280	480	100	130	354	19,0
OC-GEN 1,1	G 3/8"	G 3/8"	1364	1495	280	480	100	130	354	27,5
OC-GEN 1,9	G 3/8"	G 3/8"	972	1105	370	570	148	170	434	45,0
OC-GEN 2,5	G 3/8"	G 3/8"	1167	1300	370	570	148	170	434	53,0
OC-GEN 3,4	G 3/8"	G 3/8"	1567	1700	370	570	148	170	434	70,0
OC-GEN 5,5	G 3/8"	G 3/8"	1345	1440	440	725	198	240	570	170,5
OC-GEN 6,5	G 3/8"	G 3/8"	1538	1655	440	725	198	240	570	182,2

PERFORMANCE

Type	Inlet press. [barg]	Dischar. p. [barg]	Oxygen purity [%]			
			90	93 ⁽¹⁾	95	
OC-GEN 0,5	O ₂ flow [Nm ³ /h]	6,0	4,3	0,46	0,43	0,41
				Feed air consumption [Nm ³ /h]	7,2	7,1
OC-GEN 0,8	O ₂ flow [Nm ³ /h]	6,0	4,3	0,82	0,78	0,75
				Feed air consumption [Nm ³ /h]	13,0	12,8
OC-GEN 1,1	O ₂ flow [Nm ³ /h]	6,0	4,3	1,21	1,16	1,10
				Feed air consumption [Nm ³ /h]	19,2	18,9
OC-GEN 1,9	O ₂ flow [Nm ³ /h]	6,0	4,3	2,01	1,91	1,83
				Feed air consumption [Nm ³ /h]	31,7	31,2
OC-GEN 2,5	O ₂ flow [Nm ³ /h]	6,0	4,3	2,34	2,52	2,41
				Feed air consumption [Nm ³ /h]	41,8	41,2
OC-GEN 3,4	O ₂ flow [Nm ³ /h]	6,0	4,3	3,68	3,50	3,35
				Feed air consumption [Nm ³ /h]	58,1	57,2
OC-GEN 5,5	O ₂ flow [Nm ³ /h]	6,0	4,3	5,7	5,43	5,19
				Feed air consumption [Nm ³ /h]	90,1	88,7
OC-GEN 6,5	O ₂ flow [Nm ³ /h]	6,0	4,3	6,76	6,44	6,15
				Feed air consumption [Nm ³ /h]	106,9	105,3

All flow rates valid for generator operation at compressed air temperature max 35°C.
Performance ±5 %.

