

PSA OXYGEN GENERATORS SEP SERIES



Models O20 to O50+

Standard Features

- Colored touch screen control
- Built in purity analyzer for constant monitoring
- Modbus TCP, Ethernet connection
- Remote start/stop relay
- Data-logging via USB interface

The premium performance

The unique SEP design provides steady high flow rates of oxygen with minimum footprint requirement. Together with molecular sieve protection from moisture substantially lower the service costs, extends the lifetime and provides savings.



Models O65 to O150+

Optional add-ons

- Flow control valve – flow & purity adjustment
- Energy saving valve – reduces compressed air usage during turn down
- Purity control – off spec purge
- Sequential start/stop – one button operation
- SMS alarm
- Remote monitoring
- Audio-visual alarm
- and other



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KEY Benefits

- Zeolite anti-crush design
- No channeling effect
- Minimized footprint
- Molecular sieve protection
- Siemens based control system
- Stainless steel piping
- Designed for dynamic pressure loading

Model	Oxygen capacity						Dimensions (LxWxH) cm	Weight kg
	90%		93%		95%			
	kg/h	m ³ /h	kg/h	m ³ /h	kg/h	m ³ /h		
O20	13,5	10,1	12,6	9,5	11,3	8,5	105x95x210	700
O20+	15,2	11,4	14,2	10,7	12,8	9,6	105x95x210	700
O27	19,4	14,6	18,1	13,6	16,3	12,2	115x90x226	850
O27+	20,7	15,5	19,3	14,5	17,4	13,1	115x90x226	850
O35	24,8	18,7	23,2	17,4	20,9	15,7	125x95x220	1100
O35+	27,0	20,3	25,2	18,9	22,7	17,1	125x95x220	1100
O50	31,0	23,3	29,0	21,8	26,1	19,6	155x130x230	1350
O50+	34,9	26,2	32,6	24,5	29,3	22,1	155x130x230	1350
O65	42,7	32,1	39,9	30,0	35,9	27,0	165x135x235	1800
O65+	49,6	37,3	46,4	34,9	41,8	31,4	165x135x235	1800
O80	54,4	40,9	50,8	38,2	45,7	34,4	195x125x225	2100
O80+	61,3	46,1	57,3	43,1	51,6	38,8	195x125x225	2100
O100	69,9	52,5	65,3	49,1	58,8	44,2	205x140x250	2500
O100+	76,1	57,2	71,1	53,5	64,0	48,1	205x140x250	2500
O125	85,4	64,2	79,8	60,0	71,8	54,0	205x165x305	3000
O125+	93,1	70,0	87,0	65,4	78,3	58,9	205x165x305	3000
O150	105,5	79,3	98,6	74,1	88,7	66,7	185x165x360	3500
O150+	115,6	86,9	108,0	81,2	97,2	73,1	185x165x360	3500

Operating conditions

Ambient temperature range	5°C to 50°C
Oxygen outlet pressure	4 to 6 barG
Oxygen dew point	-50°C (-70°C)
Air inlet pressure	7.5 to 10 barG
Inlet air quality	ISO: 8573.1:2010 class 1.4.1.
Pressure dew point	3°C
Filtration grade	0.01 micron
Power supply	110-240V / 50-60Hz

Notes

Performance data is based on 7 barG inlet pressure and 20°C to 30°C ambient temperature.

Flow stated in cubic meter (m³) is with reference conditions, Temperature: 20°C, Pressure: 1.013 barA.

Conversion factor for m³ with reference conditions, Temperature: 0°C, Pressure: 1.013 barA is 0.69 m³/kg.

Designs and specifications are subject to change without notice or obligation.



Typical applications

- Cutting/Welding
- Fish farming
- Glass production
- Gold leaching
- Health-care
- Ozone production
- Veterinary
- Water treatment



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