PSA Oxygen Generators SEP Series

The Premium Performance

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

Standard Features

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

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 others

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Model	Oxygen capacity						Dimensions	Weight
	90%		93%		95%		LxWxH	
	kg/h	m³/h	kg/h	m³/h	kg/h	m³/h	cm	kg
O20	13.5	10.2	12.6	9.5	11.4	8.6	125x85x205	750
O20+	15.2	11.4	14.2	10.7	12.8	9.6	125x85x205	750
O27	19.4	14.6	18.1	13.6	16.3	12.3	130x85x220	1000
O27+	20.6	15.5	19.3	14.5	17.4	13.1	130x85x220	1000
O35	24.8	18.6	23.2	17.4	20.9	15.7	135x95x220	1550
O35+	27.0	20.3	25.2	19.0	22.7	17.1	135x95x220	1550
O50	31.0	23.3	29.0	21.8	26.1	19.6	162x113x200	1800
O50+	38.5	28.9	36.0	27.1	32.4	24.4	162x113x200	1800
O65	42.7	32.1	39.9	30.0	35.9	27.0	181x113x216	2300
O65+	49.6	37.3	46.4	34.9	41.8	31.4	181x113x216	2300
O80	54.3	40.8	50.8	38.2	45.7	34.4	192x125x225	2800
O80+	61.3	46.1	57.3	43.1	51.5	38.7	192x125x225	2800
O100	69.8	52.5	65.3	49.1	58.7	44.1	205x140x250	3000
O100+	76.0	57.1	71.1	53.4	63.9	48.0	205x140x250	3000
O125	85.3	64.1	79.8	60.0	71.8	54.0	205x140x300	3300
O125+	93.1	70.0	87.0	65.4	78.3	58.9	205x140x300	3300
O150	105.5	79.3	98.6	74.1	88.7	66.7	205x140x350	4000
O150+	114.0	85.7	106.5	80.1	95.9	72.1	205x140x350	4000

Operating conditions

Ambient temperature range	5°C to 50°C
Oxygen outlet pressure	4 to 8barG
Oxygen dew point	-50°C (-70°C)
Air inlet pressure	7.5 to 10barG
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

- Fish farming
- Glass/Metal production and processing
- Gold leaching
- Ozone production
- Veterinary
- Water treatment
- Cutting/Welding

KEY Benefits

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

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