PSA Oxygen Generators MULTI SEP Series

The Premium Performance

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

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					
	90%		93%		95%	
	kg/h	m^3/h	kg/h	m^3/h	kg/h	m^3/h
O80T	122.6	92.2	114.6	86.2	103.1	77.5
O100T	152.0	114.3	142.1	106.8	127.9	96.2
O125T	187.3	140.8	175.0	131.6	157.5	118.4
O150T	231.2	173.8	216.1	162.5	194.5	146.2
O3080	183.9	138.3	171.9	129.2	154.7	116.3
O3100	228.1	171.5	213.2	160.3	191.8	144.2
O3125	280.9	211.2	262.5	197.4	236.3	177.6
O3150	346.8	260.8	324.2	243.7	291.7	219.3
O4080	245.2	184.4	229.2	172.3	206.3	155.1
O4100	304.1	228.6	284.2	213.7	255.8	192.3
O4125	374.5	281.6	350.0	263.2	315.0	236.8
O4150	462.5	347.7	432.2	325.0	389.0	292.5
O5080	306.6	230.5	286.5	215.4	257.9	193.9
O5100	380.1	285.8	355.3	267.1	319.7	240.4
O5125	468.1	352.0	437.5	328.9	393.8	296.1
O5150	578.1	434.7	540.3	406.2	486.2	365.6

Operating conditions

Ambient temperature range	5°C to 50°C
Oxygen outlet pressure	4 to 6barG
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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