CompAir

Medical 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.

Installation alternatives

- Generating system including air treatment
- Stand-alone installation
- Skid mounted variant
- Containerized version
- Oxygen generating system with cylinder filling station
- Partial filling station

Standard **Features**

- Colour touch screen control
- Built in purity analyzer for constant monitoring
- Data-logging via USB interface
- Modbus TCP. Ethernet connection
- Remote start/stop relay
- Stainless steel piping
- Designed for dynamic pressure loading
- Purity control - off spec purge
- Audio-visual alarm

Optional add-ons

- **Flow control valve –** flow & purity adjustment
- **Energy saving valve –** reduces compressed air usage during turn down
- **Sequential start/stop –** one button operation
- **SMS alarm**
- **Remote monitoring**
- **and others**

Key **Benefits**

- **Zeolite anti-crush design**
- **Minimized footprint**
- **Molecular sieve protection**
- **Flexibility**
- **Safe and cost effective solution**
- **Easy operation**
- **Reliability**

Model	Oxygen capacity						Dimensions L x W x H	Weight
	90%		93%		95%			
	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	125 x 85 x 205	750
O20+	15.2	11.4	14.2	10.7	12.8	9.6	125 x 85 x 205	750
O27	19.4	14.6	18.1	13.6	16.3	12.3	130 x 85 x 220	1000
O27+	20.6	15.5	19.3	14.5	17.4	13.1	130 x 85 x 220	1000
O35	24.8	18.6	23.2	17.4	20.9	15.7	135 x 95 x 220	1550
O35+	27.0	20.3	25.2	19.0	22.7	17.1	135 x 95 x 220	1550
O50	31.0	23.3	29.0	21.8	26.1	19.6	162 x 113 x 200	1800
O50+	38.5	28.9	36.0	27.1	32.4	24.4	162 x 113 x 200	1800
O65	42.7	32.1	39.9	30.0	35.9	27.0	181 x 113 x 216	2300
O65+	49.6	37.3	46.4	34.9	41.8	31.4	181 x 113 x 216	2300
O80	54.3	40.8	50.8	38.2	45.7	34.4	192 x 125 x 225	2800
O80+	61.3	46.1	57.3	43.1	51.5	38.7	192 x 125 x 225	2800
O100	69.8	52.5	65.3	49.1	58.7	44.1	205 x 140 x 250	3000
O100+	76.0	57.1	71.1	53.4	63.9	48.0	205 x 140 x 250	3000
O125	85.3	64.1	79.8	60.0	71.8	54.0	205 x 140 x 300	3300
O125+	93.1	70.0	87.0	65.4	78.3	58.9	205 x 140 x 300	3300
O150	105.5	79.3	98.6	74.1	88.7	66.7	205 x 140 x 350	4000
O150+	114.0	85.7	106.5	80.1	95.9	72.1	205 x 140 x 350	4000

Notes

- Performance data is based on 7 barG inlet pressure and 20°C to 30°C ambient temperature
- Flow stated in cubic meter (m^3) is with reference conditions, Temperature: 20°C, Pressure: 1.013 barA
- Conversion factor for m^3 with reference conditions, Temperature: 0°C, Pressure: 1.013 barA is 0.69 m^3/kg
- Designs and specifications are subject to change without notice or obligation

Operating conditions

- **Ambient temperature range** 5°C to 50°C
- **Oxygen outlet pressure** 4 - 8 bargG
- **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

EN 03/26