

# 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 analyzer for constant monitoring
- Modbus TCP. Ethernet connection
- Remote start/stop relay
- Data-logging via USB interface

### 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



### Notes

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

Model	Oxygen capacity						Dimensions LxWxH (cm)	Weight (kg)
	90%		93%		95%			
	kg/h	m <sup>3</sup> /h	kg/h	m <sup>3</sup> /h	kg/h	m <sup>3</sup> /h		
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	20.3	25.2	19	22.7	17.1	135x95x220	1550
O50	31	23.3	29	21.8	26.1	19.6	162x113x200	1800
O50+	38.5	28.9	36	27.1	32.4	24.4	162x113x200	1800
O65	42.7	32.1	39.9	30	35.9	27	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	57.1	71.1	53.4	63.9	48	205x140x250	3000
O125	85.3	64.1	79.8	60	71.8	54	205x140x300	3300
O125+	93.1	70	87	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	85.7	105.5	80.1	95.9	72.1	205x140x350	4000

### 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

### 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

### Typical applications

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



Ingersoll Rand Inc. (NYSE:IR), driven by an entrepreneurial spirit and ownership mindset, is dedicated to helping make life better for our employees, customers and communities. Customers lean on us for our technology-driven excellence in mission-critical flow creation and industrial solutions across 40+ respected brands where our products and services excel in the most complex and harsh conditions. Our employees develop customers for life through their daily commitment to expertise, productivity and efficiency. For more information, visit [www.IRCO.com](http://www.IRCO.com)

[IngersollRand.com](http://IngersollRand.com)



Ingersoll Rand, IR, the IR logo, and PackageCARE are trademarks of Ingersoll Rand, its subsidiaries and/or affiliates. All other trademarks are the property of their respective owners. Ingersoll Rand compressors are not designed, intended or approved for breathing air applications. Ingersoll Rand does not approve specialised equipment for breathing air applications and assumes no responsibility or liability for compressors used for breathing air service. Nothing contained on these pages is intended to extend any warranty or representation, expressed or implied, regarding the product described herein. Any such warranties or other terms and conditions of sale of products shall be in accordance with Ingersoll Rand's standard terms and conditions of sale for such products, which are available upon request. Product improvement is a continuing goal at Ingersoll Rand. Any designs, diagrams, pictures, photographs and specifications contained within this document are for representative purposes only and may include optional scope and/or functionality and are subject to change without notice or obligation.

We are committed to using environmentally conscious print practices