



OXYGEN GENERATOR

O 200 P(E) ECO

On Site Oxygen Production
Up to 95% purity

BOGE introduces Oxpure, the high efficiency oxygen generator based on PSA technology. With a wide range of capacities and varied purity levels, Oxpure meets the needs of all types of industries, with increased profitability.

Benefits

- Flow rate: 37.6 to 42.9 m³/h
- Low operating pressures, no hazardous storage
- Low operating costs, easily expandable
- Fully automatic and unattended operation
- Process monitoring & start/stop through Webservice

Designed for

- Packaging and processing of food
- Laser cutting
- Metal inerting
- Laboratories / chromatography
- Electronics
- Inerting chemistry & Pharmacy



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Technical Specifications

Oxygen Content		95 vol, %	93 vol, %	90 vol, %
Feed Air Pressure	barg (g)	7.5	7.5	7.5
	psig	110	110	110
Product Flow Rate ⁽¹⁾	m ³ /h	37.6	39.5	42.9
	scfm	23.8	25.1	27.1
Product Pressure	barg	6	6	6
	psig	87	87	87
Feed Air Consumption ⁽¹⁾	m ³ /h	477	479	489
	scfm	301	303	309
Min. Air Consumption Air ⁽²⁾	liter	2500	2500	2500
	gallon	675	675	675
Min Air Receiver O ₂ ⁽²⁾	liter	1450	1550	1650
	gallon	392	419	446
Dew Point ⁽³⁾	°C/F		≤-40 / -40	
Sound Level	Leq dB(A)		<80	

Peripheral Equipments

- Three (3) slaves unit
- Feed air unit
- Set of intake air filters
- Oxygen analyser with zirconium-oxide sensor
- Electronic product flow meter
- Feed air / product moisture analyser
- Feed air / product temperature transmitters
- Oxygen sterile filters
- Telemetry
- Nitrogen Booster & Cylinder filling System

Feed Air Requirements

Supply Pressure	7.5 / 10.0	barg
	110	psig
Supply Temperature	5 / 45	°C
	41 / 113	°F
Min. Air ⁽⁴⁾ Quality	Class 0.4.0 to ISO 8573.1	

4) Feed air quality at air filter outlet. improper feed air quality may cause damage to the oxygen generator not covered under warranty.

Power Requirements

Power Supply	110-230 V / 50 - 60 Hz
Power Consumption	max. 0.3 kW

Key Features

- Adsorber Vessels according to 2014/68/UE (ASME VIII Div. 2 as option)
- Pneumatic Valves
- Process piping in galvanized carbon steel
- Maintenance-free exhaust silencers
- Air and oxygen flow regulation
- Local instrumentation
- Control system with Siemens SIMATIC® PLC and Siemens Graphical Touch Panel HMI
- Data logging
- Standard Profinet Industrial Ethernet Interface
- Pressure switch for automated idle-mode
- Oxygen pressure sensor

(1) Indicated flow rates are valid for operation of the generator at atmospheric conditions 20 °C / 60 °F, 1013 mbar / 14,7 psi and 60% RH

(2) Smaller receiver volumes might result in lower product pressures. Please contact manufacturer for details..

(3) Dew point at atmospheric pressure.

Conformity & Certifications

2014/68/UE	Pressure Equipment Directive
2014/30/UE	Electromagnetic Compatibility
2006/42/CE	Machinery Directive
2014/35/CE	Low Voltage Directive

Connexions

Feed Air Inlet	G 2"
Oxygen Send	G 1 1/2"
Oxygen Return	G 1 1/2"
Oxygen Outlet	G 1 1/2"

Dimensions & Weight

1850	1200	2271	mm	2500	kg
73	47	109	in.	5511	lb

Installation Requirements

Well ventilated and weather protected environment with ambient temperatures between +5 °C / +41 F and +45 °C / +113 F. Classified areas excluded.