

Oxygen generators

PPOG 2-18 HE



The PPOG High-Efficiency is a true game changer in on-site oxygen generation. 30% more efficient than traditional oxygen generators, the PPOG HE gives you the oxygen volume, purity and reliability you need at a massively reduced cost and a smaller environmental footprint.

Features and benefits:

- 30% lower energy consumption than traditional generators
- 70% additional energy savings at low load
- Lowers your environmental impact
- Compact footprint
- Complete oxygen set-up: air and oxygen quality sensors, pressure regulator, and flow meters included
- Plug-and-play installation with automatic start-up
- Easy purity setting
- Guaranteed purity and cleanliness
- Optimal control and monitoring thanks to Purelogic™ Controller
- Connectivity to DCS, SCADA, and PLC systems available
- Available with IEC and CSA/UL approvals

General Specifications

- Pressure Swing Adsorption (PSA) Oxygen Generator - aluminum extrusions
- Oxygen purity achievable: 90%-95%
- Inlet pressure range: 4.5-10 barg /65-145 psig
- Inlet temperature range: 5-50°C/41-122°F (with the option for -10-50°C/14-122°F)
- Required inlet air quality: 1-4-1 according to ISO 8573-1:2010
- Power supply: 115-230VAC/50-60Hz

High-efficiency PSA: 30% energy savings

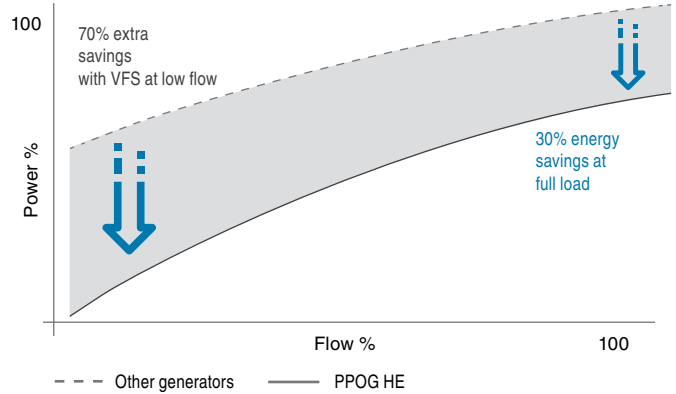
The PPOG HE uses its zeolite molecular sieve material much more efficiently than traditional generators, giving you:

- 30% more efficiency
- Smaller footprint
- Ability to buy a smaller, more efficient oxygen generator and compressor
- Less carbon emissions and air pollution

70% extra saving at low load



Traditional oxygen generators maintain a constant PSA cycle, regardless of the oxygen demand. Thanks to the **Variable Flow Saver** algorithm, the PPOG HE is able to match the lower demand by adapting the PSA cycle and the feed air intake. The result: you enjoy up to 70% additional energy savings.



Purity and cleanliness guaranteed

- Cleaned for oxygen use
- Air quality sensor at inlet protects your ZMS
- Oxygen sensor monitors quality and purity at outlet
- Pressure regulator and flow meters included as standard
- Antibacterial filters available for critical applications



Technical specifications for PPOG 2-18 HE

Specifications	Oxygen purity	Units	PPOG2HE	PPOG4HE	PPOG5HE	PPOG7HE	PPOG9HE	PPOG10HE	PPOG14HE	PPOG18HE
Nominal free oxygen flow*	90%	m ³ /h	3.3	6.6	10.0	13.3	16.6	19.7	26.3	32.9
	93%		3.0	6.0	9.4	12.5	15.7	18.1	24.1	30.2
	95%		2.5	5.1	8.3	11.1	13.9	15.2	20.3	25.3
Pressure dewpoint outlet		°C/°F	-40	-40	-40	-40	-40	-40	-40	-40
Oxygen outlet quality	ISO 8573-1:2010 Class 1-2-1									
Length	mm		840	840	840	840	840	970	970	970
	inch		33.1	33.1	33.1	33.1	33.1	38.2	38.2	38.2
Width	mm		796	796	1421	1421	1421	1421	1421	1421
	inch		31.3	31.3	55.9	55.9	55.9	55.9	55.9	55.9
Height	mm		2015	2015	2015	2015	2015	2015	2015	2015
	inch		79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
Mass	kg		318	400	624	706	788	970	1134	1298
	lbs		701	882	1376	1556	1737	2138	2500	2862
Inlet and outlet connections			1/2"	1/2"	1"	1"	1"	1 1/4"	1 1/4"	1 1/4"

* Flow is measured at reference conditions: 1 bara and 20°C at operating pressure of compressed air of 6 barg and oxygen pressure at the outlet 5 barg, inlet temperature 20°C & air inlet quality of ISO 8573-1:2010 class 1-4-1

Options

- Low ambient temperature option (-10°C/14°F) | Oxygen pressure dewpoint sensor |
- Room oxygen monitor (wall mounted)