

PPOG 2 - 18 HE - Oxygen generator with pressure swing adsorption technology

Features & Benefits

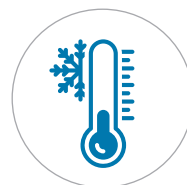
- ▶ 30% lower energy consumption than traditional generators
- ▶ 70% additional energy savings at low load
- ▶ Lowers your environmental impact
- ▶ Compact footprint
- ▶ Complete oxygen set-up: air and oxygen quality sensors, pressure regulator, and flow meters included
- ▶ Plug-and-play installation 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



Options



Low ambient temperature option (-10°C/14°F)



Oxygen pressure dewpoint sensor



Room oxygen monitor (wall mounted)



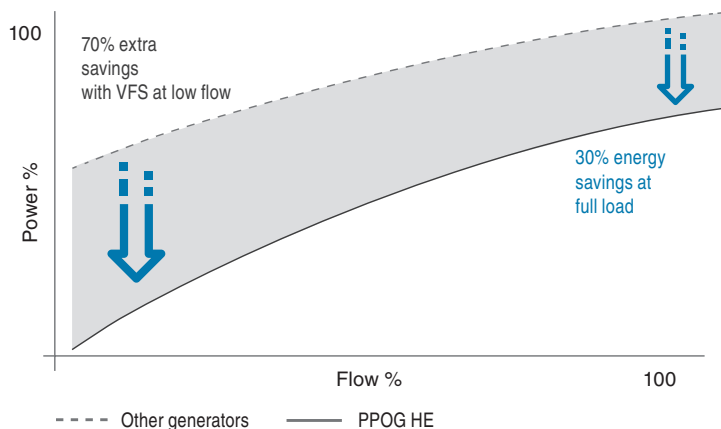
PDP sensor kit

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.

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.

Technical specifications for PPOG 2-18 HE										
Specifications	Oxygen purity	Units	PPOG2HE	PPOG4HE	PPOG5HE	PPOG7HE	PPOG9HE	PPOG10HE	PPOG14HE	PPOG18HE
Nominal free oxygen flow*	90%	Nm 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



- 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 □

