

Pneumatech is a global leader in the quality air business with 50 years of expertise. The Pneumatech brand is associated with quality and a high level of innovation.

*The Pneumatech pressure swing oxygen generator is a newly developed product to fit the increased demand of oxygen supply at our customers' sites. In order to save the environment from unnecessary transportation of gas bottles, in combination with a flexible supply of oxygen, many companies switch to onsite gas generators. In the long term the most cost effective way of providing oxygen is to install an on-site gas generator.*



## PPOG 1-120

Design standards	PPOG 1-120
Purity	90-95%
Pressure range oxygen	1-6 bar, (14.5-87 psig)
Voltages	115-230V
Frequency	50-60Hz
Controller	Purelogic™ controller
Technology	Pressure swing adsorption (PSA)
Usage	Continuous
Flexibility	On-site gas generation
Options	See table below
Common applications	Bleaching, blast furnaces, fish farming, general industry, medical, waste water treatment

Important features & benefits
Easy to install – Plug & play philosophy
Produces oxygen when you need it - only requirement is that your factory has access to clean and dry compressed air
Cost savings – service and installation cost is kept to a minimum
In-house design – smart and innovative design features developed by our own engineering team
Exact purity levels – you can easily set the purity levels (90, 93 or 95%) to fit your production needs

Options	PPNG 1 - 120
Inlet PDP sensor - protection against too high inlet air pressure dew point	•
Flow meter - Indication for the outlet flow produced	√
Oxygen analyzer	√
Oxygen buffer vessel - Oxygen suited buffer vessels	•

√ Standard  
• Optional



Type	Purity %	Oxygen flow*		Air flow**		Size—One Vessel		Dimensions					
		scfh*	Nm³/h*	scfm**	Nm³/h**	gal	L	in			mm		
								L	W	H	L	W	H
PPOG-1	90.0	72	122	14.1	22.2	151.4	40.0	23.6	29.3	59.2	600.0	743.0	1503.0
PPOG-1.5	90.0	108	183	17.7	30.0	227.1	60.0	23.6	29.3	60.1	600.0	743.0	1526.0
PPOG-2	90.0	133	226	22.9	36.0	340.7	90.0	29.5	29.5	71.3	750.0	750.0	1811.0
PPOG-3	90.0	162	275	34.4	54.0	340.7	90.0	29.5	29.5	71.3	750.0	750.0	1811.0
PPOG-4	90.0	234	398	45.8	72.0	567.8	150.0	33.5	31.5	65.1	850.0	800.0	1654.0
PPOG-5	90.0	280	476	64.9	102.0	567.8	150.0	33.5	31.5	65.1	850.0	850.0	1654.0
PPOG-6	90.0	341	579	75.9	129.0	1059.8	280.0	44.1	32.4	77.6	1120.0	826.0	1972.0
PPOG-8	90.0	503	855	98.5	154.8	1059.8	280.0	44.1	32.4	77.6	1120.0	826.0	1972.0
PPOG-11	90.0	654	1111	120.2	189.0	1324.8	350.0	46.9	35.7	89.7	1190.0	907.0	2279.0
PPOG-12	90.0	719	1222	137.4	216.0	1892.5	500.0	48.4	37.0	90.8	1230.0	940.0	2307.0
PPOG-14	90.0	826	1403	160.3	252.0	2195.3	580.0	48.4	37.0	106.6	1230.0	940.0	2707.0
PPOG-17	90.0	1035	1758	206.1	324.0	3028.0	800.0	64.6	43.2	93.3	1640.0	1097.0	2370.0
PPOG-20	90.0	1240	2107	229.0	360.0	3785.0	1000.0	69.5	44.7	96.2	1765.0	1135.0	2444.0
PPOG-26	90.0	1599	2717	324.5	510.0	5677.5	1500.0	77.4	46.8	117.8	1965.0	1188.0	2993.0
PPOG-33	90.0	1976	3357	397.0	624.0	5677.5	1500.0	77.4	46.8	117.8	1965.0	1188.0	2993.0
PPOG-39	90.0	2335	3967	500.1	786.0	6434.5	1700.0	77.4	46.8	117.8	1965.0	1188.0	2993.0
PPOG-50	90.0	3018	5128	614.6	966.0	7570.0	2000.0	97.2	52.6	124.4	2470.0	1337.0	3160.0
PPOG-63	90.0	3772	6409	778.7	1224.0	11355.0	3000.0	116.9	58.2	139.0	2970.0	1478.0	3530.0
PPOG-93	90.0	5569	9462	1168.1	1836.0	7570.0	2000.0	97.2	102.8	132.3	2470.0	2610.0	3360.0
PPOG-120	90.0	7186	12209	1404.8	2208.0	11355.0	3000.0	116.9	114.9	129.3	2970.0	2918.0	3283.0

\* For flows at other purities and at different reference conditions, consult application tool or factory.

\*\* To size the compressor, use 10% extra flow margin compared to the values mentioned in the air flow field.

*Reference conditions	Imperial	Metric
Ambient temperature	68 °F	20 °C
Unit inlet temperature	68 °F	20 °C
Unit working pressure	87 psig	6 barg
Unit outlet oxygen purity	90.0%	90.0%
Compressed air inlet quality	ISO8573-1 class 1-4-1	ISO8573-1 class 1-4-1

Outputs (min/max)		
Maximum compressed air inlet temperature	113 °F	45 °C
Maximum ambient temperature	113 °F	45 °C
Minimum compressed air inlet temperature	41 °F	5 °C
Minimum ambient temperature	41 °F	5 °C
Minimum compressed air inlet pressure	58 psig	4 barg
Maximum compressed air inlet pressure	110 psig	7.5 barg

\* Consult factory for higher pressure.



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