

PRO₂XY® - 5 bar



PSA technology

- Maximum purity > 95% ± 1%
- Oxygen available upon request or continuously
- Simple and reliable production technology
- Constant flow and pressure of oxygen no matter the consumption (MIL'S patent)
- Pressure at 5 bar for single stage network pressure
- PROCOM 2 control device (see page 47)

Complies with ISO 7396-1 and European Pharmacopoeia Oxygen 93.

Characteristics

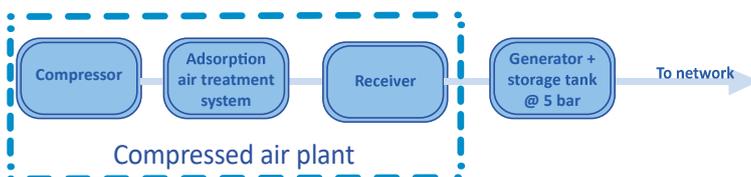
- Flow from 4 to 35 Nm³/h @ 93%
- Air inlet pressure : 6,5 bar
- Oxygen exhaust pressure : between 5 to 5,5 bar
- O₂ measurement by heated and regulated paramagnetic sensor and with back pressure regulator
- CO / CO₂ infrared monitoring (optional)
- Dew point monitoring of O₂ (optional)
- Ambient O₂ monitoring (optional)
- Power consumption monitoring (optional)
- Working temperature from + 5°C to + 40°C
- Continuous running 24 hours (7/7)

PRO ₂ XY® 5 bar version	Flow rate m ³ .h ⁻¹		Required air flow m ³ .h ⁻¹	Oxygen storage tank volume @ 5bar *	HOSPITAIR® S ** (Pack or G)
	93 %	95 %			
PRO ₂ XY® OX 3	4	3	40	200 l	MVA 9
PRO ₂ XY® OX 5	5	4,5	60	200 l	MVB 12
PRO ₂ XY® OX 7	7,7	7	93	500 l	MVB 16
PRO ₂ XY® OX 9	9,9	9	119	500 l	MVC 19
PRO ₂ XY® OX 13	14,3	13	150	500 l	MVC 23
PRO ₂ XY® OX 16	17,6	16	184	500 l	MVD 26
PRO ₂ XY® OX 20	22	20	240	1 000 l	MVE 38
PRO ₂ XY® OX 26	28,6	26	300	1 000 l	MVE 46
PRO ₂ XY® OX 32	35,2	32	392	1 000 l	MVF 56

*: Built-in storage tank : capacity of 200 or 500 liters mounted on the generator, capacity of 1000 litres delivered separately

** : Air plant required at 11 bar

Process sequence



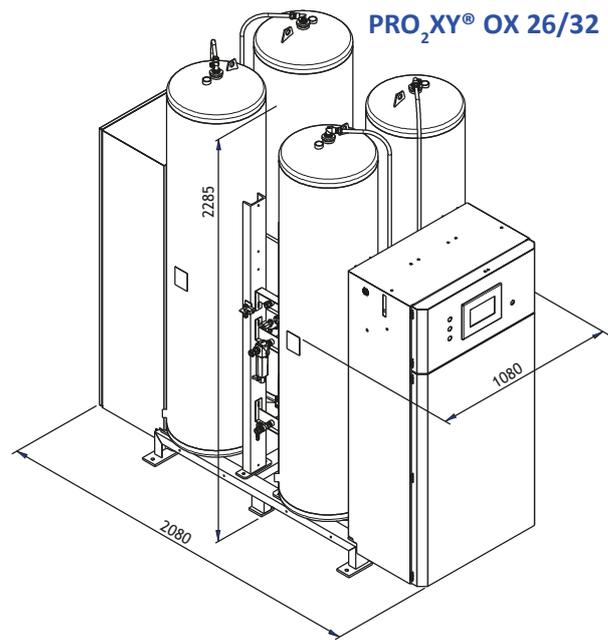
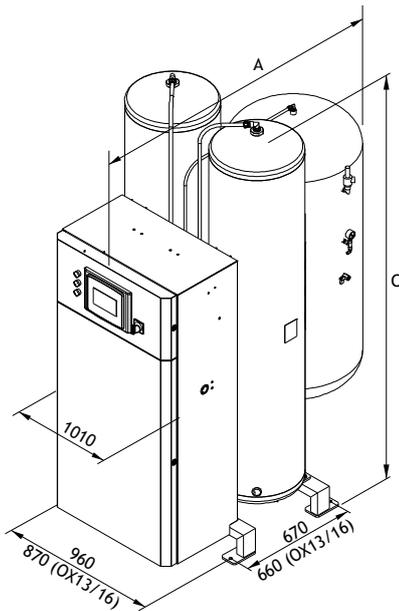
Power supply

1-phase ,230V - 50 / 60 Hz (100W)

Specifications are subject to be changed without notice

PSA oxygen generators

Dimensions (mm)



	A	C	Weight (kg)
PRO ₂ XY® OX 3	1210	1890	290
PRO ₂ XY® OX 5	1240	2015	440
PRO ₂ XY® OX 7/9	1480	2140	640
PRO ₂ XY® OX 13/16	1580	2295	900
PRO ₂ XY® OX 20	2000	2295	1200

	Weight (kg)
PRO ₂ XY® OX 26/32	1 455

Configuration

Measurements	O ₂ generator *	O ₂ network *	CO *	CO ₂	H ₂ O in air	H ₂ O in O ₂	Ambient O ₂ *	Air pressure	O ₂ network pressure *	Power consumption
Single line	✓	●	●	●	●	●	●	✓	✓	●
Multi-line N°1	✓	●	●	●	●	●	●	✓	✓	●
Multi-line N°2	✓						●			●
Multi-line N°3	✓						●			●

✓: Standard equipment ●: Optional

*: mandatory according to ISO7396-1 : 2016

Plant references

PRO ₂ XY® - 5 bar	OX 3	OX 5	OX 7	OX 9	OX 13	OX 16	OX 20	OX 26	OX 32
PRO ₂ XY® Single line	920423	920424	920425	924629	921487	924633	925826	923854	924637
PRO ₂ XY® Line N°1	922311	922312	922313	924630	922314	924634	925827	923855	924638
PRO ₂ XY® Line N°2	922832	922833	922834	924631	922835	924635	925828	923856	924639
PRO ₂ XY® Line N°3	922948	922949	922950	924632	922951	924636	925829	923857	924640

Thermostatically controlled paramagnetic O₂ sensor

1 per generator

625638

Accessories and option references

Zirconium O ₂ sensor	O ₂ purity or network	625616	O ₂ hygrometry monitoring	823735
CO / CO ₂ infrared analyzer	manual calibration	724383	Portable ambient O ₂ analyzer	622765
CO / CO ₂ infrared analyzer	automatic calibration	724385	Paramagnetic O ₂ network sensor	725035
KIT analyzer CO	electromechanical	724912	Power consumption monitoring	See p 24
KIT analyzer CO/CO ₂	electromechanical/IR	724914		
O ₂ / ambient air analyzer	wall mounting	622709		
O ₂ ambient alarm box	1-ph fan	625088		
	3-ph fan	625339		
PLC back-up power supply	1 per generator	625004		

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