

PRO₂XY[®] VAC - 5 bar

VPESA technology

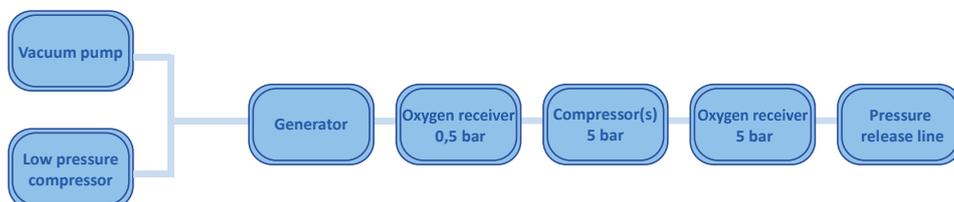
- Totally oil-less process
- Oxygen purity 95 ± 1% or 93 ± 1%
- VPESA technology with low energy consumption
- Quick starting process, reduced time of 60% comparing to PSA
- Automatic calibration of the oxygen sensor(s) (option)
- Reduced maintenance
- Touch PLC control PROCOM3 developed according to EN62304
- Complies with EN 7396-1: 2016
- Environment-friendly



Characteristics

PRO ₂ XY [®] VAC 5 bar version	Flow rate m ³ .h ⁻¹ 50 Hz - 20°C			Total installed power kW			Average power consumption - kW		
	90%	93%	95%	90%	93%	95%	90%	93%	95%
PRO ₂ XY [®] VAC 27	34,6	30	27	23,7	23,7	23,7	16,7	16,3	15,7
PRO ₂ XY [®] VAC 40	57	50	42	38,8	38,8	34,8	27,4	26,3	24,9

Process sequence



Legend
 Pneumatic



- ① Oil free low pressure compressor
- ② VPSA oxygen generator at 0,5 bar
- ③ Oil free vacuum pump
- ④ Buffer tank at 0,5 bar of oxygen
- ⑤ 5 bar O₂ compressor
- ⑥ 5 bar storage tank of oxygen
- ⑦ 5 bar hospital network

- HIGH PRESSURE OPTION
- ⑧ 200 bar - O₂ high pressure booster
 - ⑨ Rack of HP cylinders or manifold
 - ⑩ High pressure filling skid for mobile cylinders

Power supply

3-phase, 400V+N+E / 50Hz



Range complying with
93/42/CEE directive



Range complying with
2014/68/UE directive

VPSA oxygen generators

Dimensions (mm)

PRO₂XY® VAC 27



PRO₂XY® VAC 40



PRO ₂ XY® VAC 5 bar	PRO ₂ XY® VAC 27		PRO ₂ XY® VAC 40	
	Dimensions (mm)	Weight (kg)	Dimensions (mm)	Weight (kg)
① SRP	1130 x 780 x 1200	300	1130 x 780 x 1200	325
② PAV	1250 x 970 x 1300	425	1380 x 970 x 1300	475
③ Generator	1525 x 1735 x 2190	1500	1710 x 1835 x 2250	2000

Compression module PRO₂XY® VAC 27



Compression module PRO₂XY® VAC 40



PRO ₂ XY® VAC 5 bar	PRO ₂ XY® VAC 27 - 93/95 %		PRO ₂ XY® VAC 40 - 93 %		PRO ₂ XY® VAC 40 - 95 %	
	Dimensions (mm)	Weight (kg)	Dimensions (mm)	Weight (kg)	Dimensions (mm)	Weight (kg)
⑤ Compression module	1276 x 540 x 1273	170	1279 x 1115 x 1475	300	1276 x 540 x 1273	220
④ RT tank	1200 x 880 x 2380 1000 l	220	1490 x 1210 x 2520 2000 l	395	1490 x 1210 x 2520 2000 l	395
⑥ RP O ₂ tank	1000 x 880 x 2380 1000 l	220	1400 x 1210 x 2520 2000 l	395	1400 x 1210 x 2520 2000 l	395

Plant references

PRO ₂ XY® VAC - 5 bar		PRO ₂ XY® VAC 27		PRO ₂ XY® VAC 40	
		93 %	95 %	93 %	95 %
PRO ₂ XY® VAC	Single line	924972	924674	924976	924682
Final filtration	Simple	824211	824211	824217	824217
PRO ₂ XY® VAC	Multi-line A	924973	924675	924977	924683
PRO ₂ XY® VAC	Multi-line B	924974	924676	924978	924684
PRO ₂ XY® VAC	Multi-line C	924975	924677	924979	924685
Final filtration	Duplex	824212	824212	824218	824218

Accessories and option references

O ₂ paramagnetic analyzer	manual calibration	724565	O ₂ ambient analyzer	622709
O ₂ paramagnetic analyzer	automatic calibration	724566	O ₂ hygrometry sensor	823735
Redundancy box for O ₂ analyzer (EN62304)		724564	CO KIT analyzer	724912
Redundancy box for HP (EN62304)		724752	CO / CO ₂ KIT analyzer	724914
2 nd O ₂ paramagnetic analyzer	manual calibration	724627	O ₂ flowmeter G1/2"	624683
2 nd O ₂ paramagnetic analyzer	automatic calibration	724628	24VCC power supply	625004
O ₂ zirconium analyzer	zirconium	625616	Energy monitoring - 100A	625090

Specifications are subject to be changed without notice