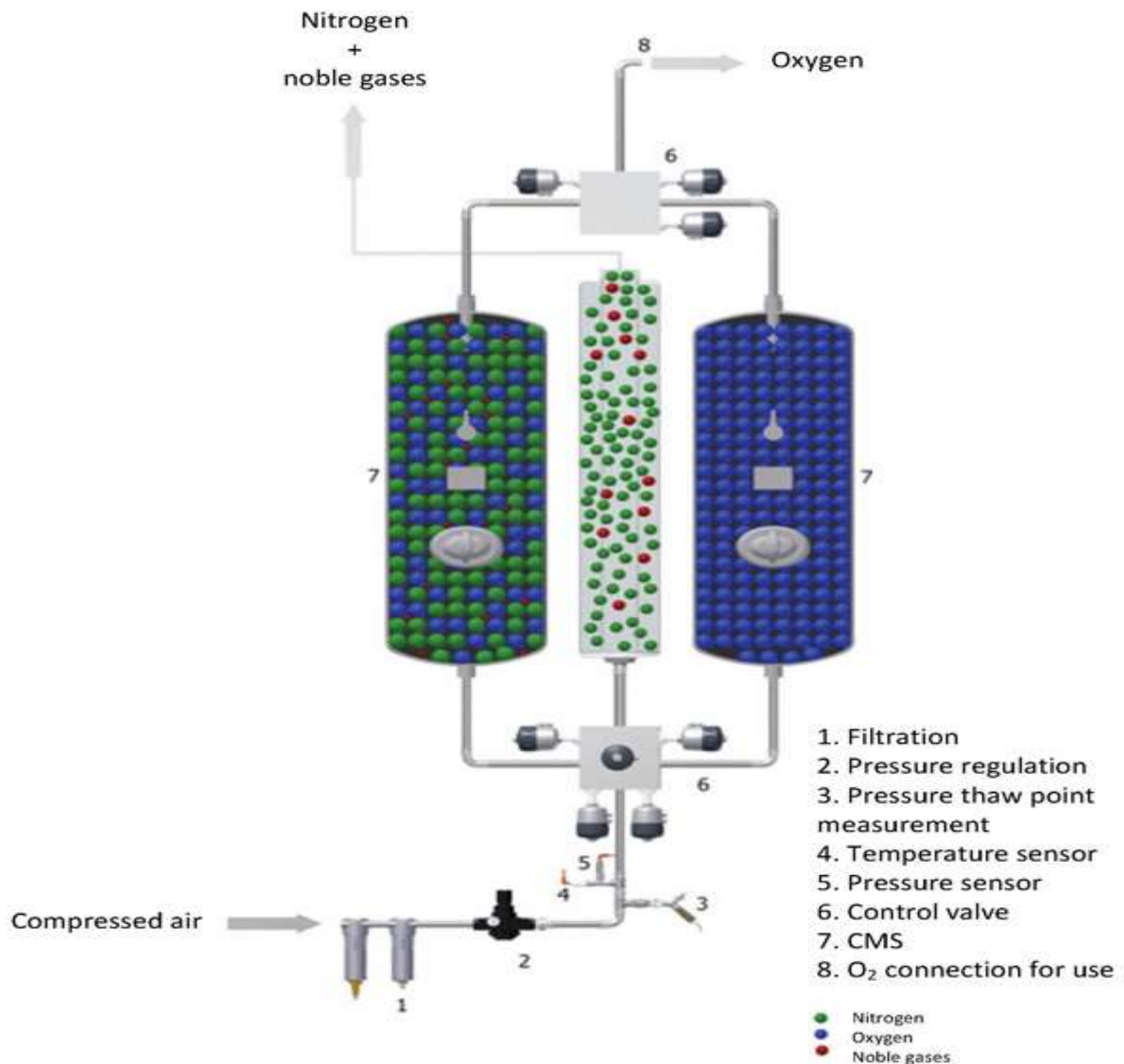


INMATEC OXYGEN PSA TECHNOLOGY

The special INMATEC oxygen Pressure Swing Adsorption (PSA) technology offers solutions and procedures in the area of oxygen production for hospitals, pharmaceuticals to water treatment.



Through the Pressure Swing Adsorption (PSA) technology and adsorption media developed in-house, the atmospheric air is separated in its components nitrogen and oxygen. Subsequently, oxygen is available for further use in quantities of 0,5 – 2.000,00 Nm³/h and purities of 90,0 – 95%.

IMT POC MED

OXYGEN GENERATOR

Oxygen from 0,50 Nm³/h - 352,00 Nm³/h

Oxygen purity up to 95%

IMT POC MED: MEDICAL OXYGEN

Medical oxygen is often used in the course of medical assistance and the treatment of patients. With the IMT POC MED range, we have developed special generators for in-house production of oxygen for mobile and stationary medicine.

The generators with innovative and energy-saving POC technology have been designed and developed in compliance with the strict quality management specifications of ISO 13485:2016 and ISO 7396-1:2016. They are certified in accordance with the Medical Device Directive 93/42/EEC and the gas quality of the oxygen produced complies with the standards of the European Pharmacopoeia for medical applications.

The POC Med range uses the new POC technology developed by INMATEC. This increases the efficiency of the PSA technology used to separate the oxygen molecules from the nitrogen molecules thanks to innovative flow technology combined with advanced vortex technology. This means less compressed air is required. Energy costs can be significantly reduced by extracting more oxygen with lower compressed air requirements.

The IMT POC Med oxygen generators can be fully integrated and are equipped with state-of-the-art measurement and sensor technology. The L touch control panel lets you comfortably read the logged data for all relevant operating values. This allows you to have full control from your computer, tablet or smartphone at all times - from anywhere in the world.

Programmable control with oxygen measurement, low maintenance stainless steel valve technology, long life zeolite molecular sieve.

Capacity (Nm³/h)

	Oxygen purity (%) :	93,0	95,0	
	IMT POC Med 8150	0,60	0,50	
	IMT POC Med 8250	1,10	1,00	
	IMT POC Med 8350	2,30	2,00	
	IMT POC Med 8450	3,50	3,30	
	IMT POC Med 8550	5,00	4,30	
	IMT POC Med 8650	8,10	7,10	
	IMT POC Med 8000	8,40	7,50	
	IMT POC Med 8100	11,00	10,0	
	IMT POC Med 8200	13,20	12,00	
	IMT POC Med 8300	16,80	15,50	
	IMT POC Med 8400	26,60	24,20	
	IMT POC Med 8500	37,30	33,90	
	IMT POC Med 8600	54,50	49,50	

	IMT POC Med 8700	72,00	65,50	
	IMT POC Med 8800	95,00	87,00	
	IMT POC Med 8900	125,00	107,00	
	IMT POC Med 8910	139,80	127,10	
	IMT POC Med 8920	175,00	160,00	
	IMT POC Med 8930	220,00	200,00	
	IMT POC Med 8940	264,00	240,00	
	IMT POC Med 8950	352,00	320,00	

All values apply at 7 bar inlet pressure, 20°C ambient temperature and 20°C compressed air temperature.