



GEO₂ Oxygen Generators

Solutions for generating gaseous oxygen from compressed air

ECOTROC® GEO₂



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KSI oxygen generators **ECOTROC® GEO₂** use the process of adsorption to separate the oxygen molecules from the nitrogen molecules in the incoming compressed air. The produced high quality oxygen is now ready for use in the respective system.

Oxygen generators of KSI product line **ECOTROC® GEO₂** generate oxygen of a purity from 90% up to 99,5%. GEO₂ generators are available in 2 different versions: COMFORT and PREMIUM.



Cost-saving and reliable: ECOTROC® GEO₂ COMFORT

- + Oxygen purity between 90% up to 93%
- + Volume flow: from 0,6 m³/h up to 12,9 m³/h
- + easy installation, plug&play
- + continuous measuring of the oxygen purity guarantees a high quality
- + nearly maintenance-free use by special design and quality components
- + optional: in- and outlet filtration

Individual and high-technological: ECOTROC® GEO₂ PREMIUM

- + Oxygen purity between 90% and 99,5% (high purity)
- + Volumen flow: from 0,5 m³/h up to 335,0 m³/h
- + serial touch-control-panel incl. remote control
- + continuous measurement of oxygen purity
- + in- and outlet filtration included
- + redundant components, modular extensions and different versions (Atex, ASME etc.) make a perfectly customized generator possible

Operating data

Temperature	+5°C up to +40°C (optional: -50°C up to +60°C)
Noise level	55 up to max. 85 dB
Electrical connection	110/230 V / 60/50 Hz
Pressure device directive-	93/27/EG
Oxygen purity	90,0% up to 99,5% (high purity)

Control incl. Touchpanel

- Touch-control-panel which presents all measured data in a clear way
- Get all information on every PC or iPad via remote control
- The generator offers Modbus, Pro bus, GSM and VMC connections



Touch-control-panel

Options

- compressed air treatment
- modern housings for specific models available
- flow measurement, pressure dew point measurement, inlet pressure measurement, temperature measurement
- redundant components
- load change control
- modular extensions
- high pressure version up to 300 bar
- stainless steel edition
- ex-protection, Atex, IP 65, ASME
- Automatic re-start for medical applications

ECOTROC® GEO2

Capacities

Type	Capacity m³/h*				
	90,0%	92,0%	93,0%	94,0%	95,0%
GEO2-1150 P	0,6	0,6	0,6	0,5	0,5
GEO2-1250 P	1,2	1,1	1,1	1,0	1,0
GEO2-1350 P	2,4	2,3	2,3	2,1	2,0
GEO2-1450 P	3,6	3,5	3,3	3,1	3,0
GEO2-2150 P	5,4	5,2	5,0	4,5	4,3
GEO2-2350 P	8,9	8,5	8,1	7,4	7,1
GEO2-3000 P	12,9	12,3	11,6	10,5	9,8
GEO2-3150 P	15,0	14,3	14,0	13,6	12,9
GEO2-3250 P	18,0	17,2	16,8	16,3	15,4
GEO2-3350 P	21,0	20,0	19,4	19,0	18,0
GEO2-3380 P	30,0	29,0	28,0	27,0	26,0
GEO2-3450 P	38,0	36,0	35,0	34,0	33,0
GEO2-3650 P	53,0	50,0	49,0	48,0	45,0
GEO2-3850 P	84,0	80,0	77,4	76,0	72,0
GEO2-4150 P	108,0	103,0	99,5	97,3	92,0
GEO2-4250 P	132,0	125,4	121,5	119,0	112,3
GEO2-4350 P	156,0	148,3	144,0	140,5	133,0
GEO2-4450 P	198,0	188,2	182,3	172,0	168,4
GEO2-4550 P	240,0	228,0	221,0	216,0	204,0
GEO2-4650 P	335,0	330,0	320,0	305,0	288,0
High purity	99,5%				
GEO2-5000 P	2,0				
GEO2-5150 P	5,0				
GEO2-5250 P	10,0				
GEO2-5350 P	15,0				
GEO2-5450 P	20,0				

*refers to 7 bar inlet pressure and 20°C ambient temperature.

