



## **GEN2 Nitrogen Generators**

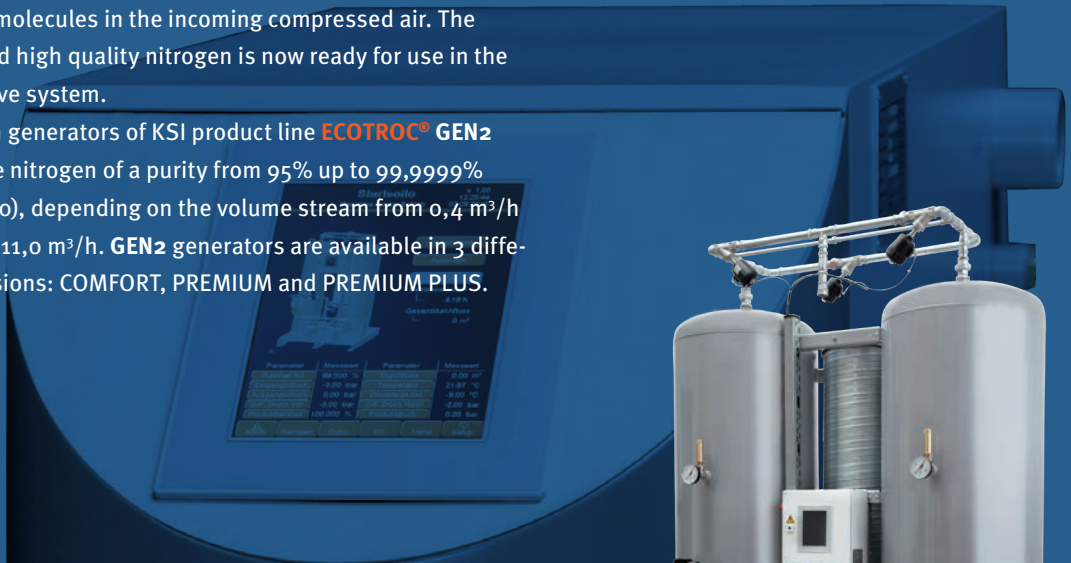
**Solutions for generating gaseous nitrogen from compressed air**

# ECOTROC® GEN2

## Solutions for generating gaseous nitrogen from compressed air

KSI nitrogen generators **ECOTROC® GEN2** use the process of adsorption to separate the nitrogen molecules from the oxygen molecules in the incoming compressed air. The produced high quality nitrogen is now ready for use in the respective system.

Nitrogen generators of KSI product line **ECOTROC® GEN2** generate nitrogen of a purity from 95% up to 99,9999% (class 6.o), depending on the volume stream from 0,4 m<sup>3</sup>/h up to 4.111,0 m<sup>3</sup>/h. **GEN2** generators are available in 3 different versions: COMFORT, PREMIUM and PREMIUM PLUS.



### Cost saving and reliable: ECOTROC® GEN2 COMFORT

- + Nitrogen purity from 95% up to 99,99%
- + Capacity: from 0,9 m<sup>3</sup>/h up to 1.370 m<sup>3</sup>/h
- + easy installation, plug & play
- + reliability by continuous measuring of the nitrogen purity for a safe use
- + nearly maintenance-free, high-quality components
- + optional: inlet and outlet filtration



### Individual and high-technological: ECOTROC® GEN2 PREMIUM

- + Nitrogen purity from 95% up to 99,9999% (class 6.o)
- + Capacity: from 0,4 m<sup>3</sup>/h up to 4.111,0 m<sup>3</sup>/h
- + A multilingual Touch-Control-Panel, Remote Control via tablet and PC, long-term data storage as standard
- + Constant quality control by measuring nitrogen
- + Inlet and outlet filtration included
- + Availability: redundant, load change control, modular extension, recipe control)

### Higher energy efficiency: ECOTROC® GEN2 PREMIUM PLUS

- + Nitrogen purity from 95% up to 99,9999% (class 6.o)
- + Capacity: from 0,4 m<sup>3</sup>/h up to 4.111 m<sup>3</sup>/h
- + Specifications as PREMIUM plus:
- + More energy savings by PAN technology (Power As Needed)  
=> optimal use of the adsorption material

# ECOTROC® GEN2

## 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
Nitrogen purity	95,0% up to 99,9999% (class 6.0)

## Control including 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

# ECOTROC® GEN2

## Capacities

Type	Capacity m³/h*								
	95,0%	97,0%	98,0%	99,0%	99,5%	99,9%	99,99%	99,995%	99,999%
GEN2-1150	5,7	4,7	4,1	3,2	2,6	1,6	0,9	0,7	0,4
GEN2-1250	10,8	8,7	7,9	5,8	5,1	3,2	1,3	1,1	0,9
GEN2-1280	16,5	13,4	12,0	9,0	7,7	4,8	2,4	1,8	1,3
GEN2-1350	20,8	17,1	15,8	12,6	9,5	6,3	3,2	2,5	1,8
GEN2-1450	31,2	25,6	23,7	18,9	14,2	9,5	4,8	3,6	2,4
GEN2-1550	49,2	40,1	35,6	28,4	22,1	12,6	6,3	4,8	3,2
GEN2-1650	84,0	59,9	53,8	46,6	37,8	23,2	11,7	8,8	5,8
GEN2-1750	105,0	84,0	76,0	64,0	51,8	32,6	16,5	11,9	7,3
GEN2-2000	140,7	116,5	98,3	77,5	63,0	38,8	19,4	14,6	9,7
GEN2-2150	211,1	174,3	146,5	115,0	94,5	57,8	29,0	21,8	14,5
GEN2-2250	260,4	215,3	188,0	143,9	116,6	73,4	35,8	26,9	18,0
GEN2-3000	372,8	308,7	269,9	205,8	167,0	102,9	51,4	38,6	25,8
GEN2-4000	442,1	366,5	320,3	244,7	198,5	121,8	60,9	45,8	30,6
GEN2-5000	630,0	522,9	457,8	348,6	283,5	174,3	87,2	65,4	43,6
GEN2-6000	913,5	756,0	661,5	504,0	409,5	252,0	126,0	94,5	63,0
GEN2-8000	1370,3	1134,0	992,3	756,0	630,0	378,0	189,0	142,0	95,0
GEN2-10000	1598,0	1323,0	1157,0	882,0	720,0	441,0	220,0	165,0	110,0
GEN2-12000	1827,0	1512,0	1323,0	1008,0	819,0	504,0	252,0	189,0	126,0
GEN2-14000	2283,0	1890,0	1653,0	1260,0	1039,0	630,0	315,0	236,0	158,0
GEN2-16000	2740,6	2268,0	1984,6	1512,0	1260,0	756,0	378,0	284,0	190,0
GEN2-24000	4111,0	3402,0	2976,9	2268,0	1890,0	1134,0	567,0	426,0	285,0

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

