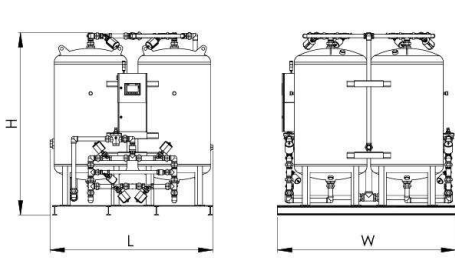




NITROXTEC Nitrogen Generators

Nitrotech-21													
Nitrogen purity rate [%]	%95	%96	%97	%98	%99	%99.5	%99.9	%99.95	%99.99	%99.995	%99.999	%99.9995	%99.9999
O ₂ [% ppm]	%5	%4	%3	%2	%1	%0.5	1000 ppm	500 ppm	100 ppm	50 ppm	10 ppm	5 ppm	1 ppm
Nm ³ /hour (*)	1934.00	1739.50	1555.50	1375.00	1029.50	830.50	586.75	490.00	392.00	281.75	225.65	187.50	141.25
Air / Gas Ratio	1.8	2	2.1	2.3	2.5	2.6	3.2	3.5	3.9	4.5	5.2	7.5	8.5
Air feed [m ³ /hour] 7 bar	3481.2	3479	3266.55	3162.5	2573.75	2159.3	1877.6	1715	1528.8	1267.88	1173.38	1406.25	1200.625
Power	110-240V AC 50/60 Hz 150 W												
Nitrogen outlet pressure [bar] (g) (**)	7												
Pipes connection Inlet - Outlet	DN80/BSP 3" Female - DN50/BSP 2" Female												
Dimensions L x W x H [mm]	2000 x 2400 x 2310												
Shipping dimensions L x W x H [mm]	2050 x 2450 x 2360												
Maintenance area L x W x H [mm]	2500 x 2900 x 2810												
CMS Weight [kg]	2215 KG												
Net Weight [kg]	5500 KG												
Gross Weight [kg]	5600 KG												



Maximum operating pressure	10 bar (g)
Operating temperature	5-45°C
Minimum inlet pressure	4,5 bar (g)
Dew point max	+3°C
Air quality ISO Specification	ISO 8573.1:2010.2.4.1

Product	Name	Description	IP Class
MTP700	SIMATIC HMI MTP700	Unified Comfort Panel, touch operation, 7" widescreen TFT display	IP (at the front): IP65 IP (rear): IP20
SENZTX TX-100	NTRON SENZTX TX-100	The SenzTx is a compact and robust O ₂ transmitter that utilises zirconia technology to give a reliable measurement of oxygen concentration. (The zirconia sensor has an unlimited shelf life without the loss of calibration and has an expected life in excess of 5 years.)	IP66
PIPE & FITTINGS	304 Stainless Steel	All of Pipes and Fittings are Stainless Steel	AISI 304
Piston Valve	BURKERT OR SMC SS316L	316L Stainless steel with threaded, Long service life High flow rate, Robust actuators with modular accessory program	IP67
Pneumatic Components	FESTO OR SMC	Includes solenoid valves, air preparation units (FRL), fittings, and tubing.	Typically IP65, but varies by model
FLOW METER (optional)	SMC	Sensor/Display integrated type, Numerically displays the setting and measurement values	Typically IP65, but varies by model
DEWPOINT (optional)	SUTO	dew point meters and sensors are designed for high accuracy and reliability. They enable precise measurements of pressure dew point, humidity and temperature in compressed air and gases and ensure reliable monitoring and control of compressed air quality in industrial environments.	ISO 8573-1 ISO 8573-3
Nitrogen Purity Control Valve	FESTO OR SMC	Purity Control & Discharge Management : Directs high-purity nitrogen to the usage line, discharges low-purity nitrogen, or recirculates it.	Typically IP65, but varies by model