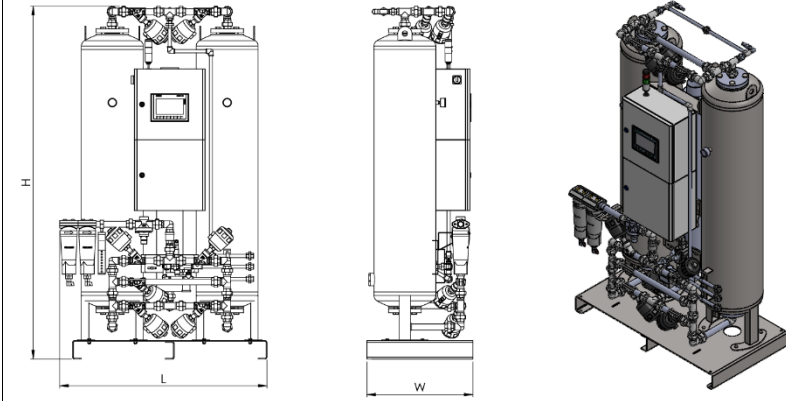




# NITROXTEC Nitrogen Generators

| Nitrotech-14                            |                                             |        |         |         |         |        |          |         |         |         |         |          |
|-----------------------------------------|---------------------------------------------|--------|---------|---------|---------|--------|----------|---------|---------|---------|---------|----------|
| Nitrogen purity rate [%]                | %95                                         | %96    | %97     | %98     | %99     | %99.5  | %99.9    | %99.95  | %99.99  | %99.995 | %99.999 | %99.9995 |
| O <sub>2</sub> [% ppm]                  | %5                                          | %4     | %3      | %2      | %1      | %0.5   | 1000 ppm | 500 ppm | 100 ppm | 50 ppm  | 10 ppm  | 5 ppm    |
| Nm <sup>3</sup> /hour (*)               | 572.25                                      | 514.75 | 460.25  | 398.75  | 304.75  | 246.50 | 169.75   | 145.00  | 116.00  | 77.65   | 65.65   | 54.40    |
| 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      |
| Air feed [m <sup>3</sup> /hour] 7 bar   | 1030.05                                     | 1029.5 | 966.525 | 917.125 | 761.875 | 640.9  | 543.2    | 507.5   | 452.4   | 349.425 | 341.38  | 408      |
| Power                                   | 110-240V AC 50/60 Hz 150 W                  |        |         |         |         |        |          |         |         |         |         |          |
| Nitrogen outlet pressure [bar] (g) (**) | 7                                           |        |         |         |         |        |          |         |         |         |         |          |
| Pipes connection Inlet - Outlet         | DN40/BSP 1 1/2" Female - DN25/BSP 1" Female |        |         |         |         |        |          |         |         |         |         |          |
| Dimensions L x W x H [mm]               | 1450 x 830 x 2250                           |        |         |         |         |        |          |         |         |         |         |          |
| Shipping dimensions L x W x H [mm]      | 1500 x 880 x 2370                           |        |         |         |         |        |          |         |         |         |         |          |
| Maintenance area L x W x H [mm]         | 1950 x 1330 x 2750                          |        |         |         |         |        |          |         |         |         |         |          |
| CMS Weight [kg]                         | 775 KG                                      |        |         |         |         |        |          |         |         |         |         |          |
| Net Weight [kg]                         | 1600 KG                                     |        |         |         |         |        |          |         |         |         |         |          |
| Gross Weight [kg]                       | 1670 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<br>IP (rear): IP20 |
| SENZTX TX-100                    | NTRON SENZTX TX-100      | The SenzTx is a compact and robust O <sub>2</sub> transmitter that utilises zirconia technology to give a reliable measurement of oxygen concentration.<br>(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<br>SS316L | 316L Stainless steel with threaded, Long service life<br>High flow rate, Robust actuators with modular accessory program                                                                                                                                                                      | IP67                                       |
| atic Components                  | FESTO OR SMC             | Includes solenoid valves, air preparation units (FRL), fittings, and tubing.                                                                                                                                                                                                                  | Typically IP65,<br>but varies by model     |
| LOW METER<br>(optional)          | SMC                      | Sensor/Display integrated type, Numerically displays the setting and measurement values                                                                                                                                                                                                       | Typically IP65,<br>but varies by model     |
| DEWPOINT<br>(optional)           | SUTO                     | dew point meters and sensors are designed for high accuracy and reliability.<br>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<br>ISO 8573-3                   |
| Nitrogen Purity<br>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,<br>but varies by model     |