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**External Dimensions:**
- **Nitrogen-1**: 660 mm W x 914 mm D x 813 mm H
- **Nitrogen-2**: 660 mm W x 914 mm D x 813 mm H
- **Nitrogen-10**: 1219 mm W x 1270 mm D x 1575 mm H
- **Nitrogen-20**: 1854 mm W x 1270 mm D x 1575 mm H

**SR Models**: Large capacity solvent vapor removal system.
**RSR Models**: Regenerable Large capacity solvent vapor removal system.
**Contents**: 7.5Kg activated carbon.

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**SR Models**: Large capacity solvent vapor removal system.
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**Contents**: 9.5Kg molecular sieve.
OPTIONS

- 0-1000 ppm Zirconia oxygen analyzer (not for use with solvents)
- 0-1000 ppm electrochemical oxygen analyzer (solvent compatible)
- 0-25% zirconia oxygen analyzer
- 0-1000ppm moisture analyzer
- 0-25% Helium in Nitrogen analyzer
- Solvent sensor
- Heat exchanger located in the circulation loop. 1000 W cooling capacity with 18 lpm flow rate of cooling water
- Dry scroll pump
- Solvent removal system

SYSTEM APPLICATIONS

- Additive (3D) Manufacturing
- Aerospace
- Automotive
- Chemistry
- Lamp Manufacturing
- Lithium Ion Battery
- Medical Device
- Nuclear
- OLED
- Pharmaceutical
- Semiconductor
- Solar
- Specialty Chemical
- Thin Film
- Many other applications

SPECIFICATIONS

External surfaces: RAL 7035

Casters for mobility

<1ppm O₂ and <1ppm H₂O purity level

When connected to a glovebox system that has a leak rate of <0.05 vol%/h

Nitrogen-1 and -2 – All Permutations:
O₂ capacity = 43 L
H₂O capacity = 1800 g

Nitrogen-10 and -20:
O₂ capacity = 217 L per Purifier Column
H₂O capacity = 9000 g per Purifier Column

Automated purifier column valves: Interlocked with the blower.
Blower will not run if the valves fail to open

Variable speed circulation blower:

Nitrogen-1 and -2 – All Permutations: 120 cfm max flow rate blower
Nitrogen-10 and -20 – All Permutations: 185 cfm max flow rate blower

Max flow rate through purifier column:

Nitrogen-1 and -2 – All Permutations: 60 cfm (101 m³/h)
Nitrogen-10 and -20 – All Permutations: (315 m³/h)

PLC control system

6” color touch screen

Trending Screen: Pressure, O₂ and H₂O Value is logged for 24 hours

Automatic pressure control: (+/- 15 mbar)

Manual pressure control: Footswitch

Fully automatic regeneration sequence

Purge valve: O₂ Level, Timer or manually controlled

Vacuum pump: 10 cfm (17 m³/h) rotary vane pump with oil mist eliminator & oil return kit

Integrated oxygen analyzer:

Range 0-1000 ppm
Zirconia sensor as standard or electrochemical sensor for solvent compatibility

Eco Mode Features

Vacuum pump timer: Shuts pump off for energy reduction
Automated Blower speed control: O₂ level adjusts blower speed