



Designed by Chemists for Chemists

## SAP 120 - Industrial Stand Alone Inert Gas Purifier

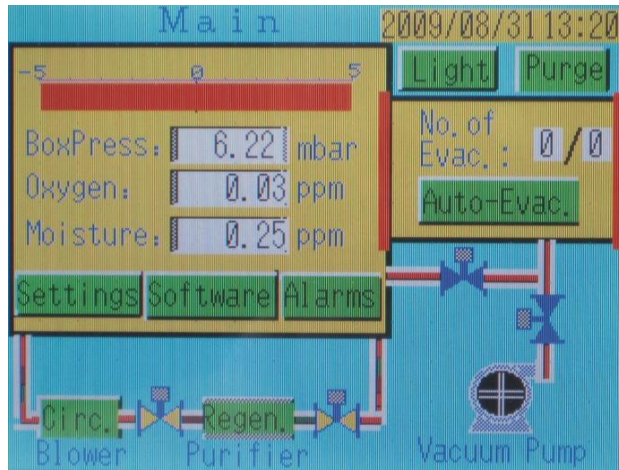
Designed for large volume custom glovebox enclosures, the Industrial High Flow Purifier controls the inert gas purity levels and maintains glovebox pressure.

*Vigor* Gas Purification Systems are state-of-the-art in design and manufacture. *Vigor* uses the highest quality components in construction. The *Sci-Lab* Series Gloveboxes and Gas Purification systems are equipped with our patented glovebox seal and gas purification technologies. These innovative technologies enable us to offer gloveboxes with the lowest leak rate and highest purity levels in the industry.



*Vigor Gas Purification Technologies Inc.* [www.vigor-glovebox.com](http://www.vigor-glovebox.com)

Tel: 716-200-1200 email [info@vigor-glovebox.com](mailto:info@vigor-glovebox.com)



Vigor Specifications	
Dimensions	1200x1200x1800 mm (LxWxH)- Powder Coated Steel Enclosure
Flow Rate	120m <sup>3</sup> /hr
Circulation Blower	Fuji Blower – Low Noise, Cooling Water Required for Heat Exchanger
Plumbing	Diameter - 50mm      Material – Stainless Steel
Purity Level	<1 ppm O <sub>2</sub> , H <sub>2</sub> O in Nitrogen, Argon or Helium*
Purifier Capacity	120L Oxygen, 3 Kg Moisture – Per Purifier Bed
Purifier Materials	Copper Based Catalyst for O <sub>2</sub> , Molecular Sieves for H <sub>2</sub> O
Leak Rate	<10 <sup>-5</sup> mbarl/s
Control System	Siemens PLC, Proface Color Touch Screen – Remotely Mounted
Regeneration	Automated Regeneration, User Initiated
Pressure Control	Automated Pressure Control, User Selectable Limits, Footswitch
Alarms	Automated Alarms, User Selectable Limits
Data Recording	Automated Historical Data Recording & Display
Vacuum Pump	Edwards RV-12, 10 cfm
Gas Requirements	<b>Working Gas:</b> Nitrogen, Argon or Helium, <70 psi <b>Regeneration Gas:</b> 5% H <sub>2</sub> Mixture with Working Gas
Shipping Crate	Dimensions: 1400x1400x2200 mm (LxWxH), Weight: 500 kg
Power Supply	110VAC/60Hz or 220 VAC/50/60 Hz, Single Phase

\*Note: Purity levels attainable are subject to the size and leak rate of the attached glovebox.

Vigor Gas Purification Technologies Inc. [www.vigor-glovebox.com](http://www.vigor-glovebox.com)

Tel: 716-200-1200 email [info@vigor-glovebox.com](mailto:info@vigor-glovebox.com)