



HiCube S80 Plug and Play, High Vacuum Turbopump Station

Featuring HiScroll backing pumps for higher pumping speeds and better base pressure.

With thousands of HiCube Eco turbopump stations in use, Pfeiffer Vacuum has expanded the product line with the HiCube S80. It combines a HiPace turbopump, integrated display and a 6 m³/hr. HiScroll backing pump. The package is simple to use yet provides robust high vacuum performance with long maintenance intervals.

The HiCube S80 is designed for applications that demand ultra-high vacuum and high gas throughput.

HiCube S80 Plug and Play, High Vacuum Turbopump Station with HiScroll

Featuring:

- Reliable and robust HiPace turbopump technology
- Oil-free and quiet HiScroll with IPM synchronous motor
- Fully functional control panel with over 100 parameters for control and display
- Lower CoO and maximum uptime using automatic control of HiScroll pump speed
- Scroll pump gas ballast and turbopump gas purge for challenging applications
- Boost mode to shorten pump down-time
- Quiet operational mode for noise sensitive UHV applications
- 1 year warranty

Specifications:

- **HiPace 80 N₂ pumping speed:** 67l/s N₂ pumping with DN63 inlet flange
- **HiScroll pumping speed:** 6.1m³/hr
- **Base pressure:** < 10⁻¹⁰ hPa with a CF type flange
- **Total rated power consumption:** 5A (120VAC – 60Hz)

Options:

- **Full range gauge:** A highly recommended option which allows the user to display pressure reading on the system controller screen.
- **Flanges:** The system can be configured with an ISO-K, ISO-KF or an ISO CF-F inlet flange.
- **Electromagnetic foreline valve:** Add a layer of protection to keep your chamber under vacuum by installing an electromagnetic foreline valve between the scroll pump and turbopump.
- Turbopump automatic vent valve
- **Rolling casters:** Add onto the base frame for ease of mobility

Available Only in North America.

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