



## 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 m<sup>3</sup>/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 N<sub>2</sub> pumping speed:** 67l/s N<sub>2</sub> pumping with DN63 inlet flange
- **HiScroll pumping speed:** 6.1m<sup>3</sup>/hr
- **Base pressure:** < 10<sup>-10</sup> 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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