



MOBILE PUMPING STATION

PRECISION AND VACUUM TECHNOLOGY

First time you are able to combine different vacuum equipment, such as forevacuum, turbo pumps, mass spectrometer, valves, etc. into one mobile station.

Our **Mobile Pumping Station** could be built of various forevacuum and turbomolecular pumps as well as many types of mass spectrometers.

Features:

- Working mode: automatic or manual
- 2 channels for vacuum measurement
- Ability to read & control from any place (ethernet interface or wireless mobile devices)
- Ability to read turbo pump parameters such as: rotation speed, actual rotation, supply voltage, motor current, motor temp, converter temp, bearing temp, error code
- UPS power supply
- Connection for additional RGA measurement devices
- USB service & upgrade port



Specification:

- Connection flange: DN 63 CF or 100 CF
- Turbo pump pumping speed: 65 - 270 l/s
- Forevacuum pump pumping speed: 14 m³/h
- Ultimate pressure: 1×10^{-10} mbar
- Separate fore & high vacuum pressure measurement
- Cooling method: air
- Available interfaces: RS232, Ethernet
- Compressed air & purge gas connection: hose OD 6 mm
- Integrated UPS
- Equipped with mass spectrometer: range 0 - 200 amu (option)
- Equipped with small multi port UHV chamber



PCU16 Power Control Unit

Operation is fully controlled by a microprocessor control unit **PCU16**. It supports one ultra-high vacuum pump (e.g. turbomolecular pump, ion pump, cryo pump, etc.), electromagnetic vent valve, electromagnetic safety valve, fore vacuum pump and two vacuum gauges based on the 0..10V output standard. The **PCU16** displays the state of all of the connected peripheral devices on a large 7" TFT LCD touchscreen, providing clear readouts of important system parameters to the user. Such a combination of easy and user-friendly interface allows for full automatic pumping and venting together with complete protection of all built-in components.




Software mobile solution

- Remote access to device
- Full device control
- Real time data acquisition
- Fast, real time chart data preview



If you need any further information, please do not hesitate to contact our sales department



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