

## Medical Vacuum Plant



*A centralised medical vacuum system supply available in duplex or triplex format*

*The plant can be tailored to individual needs, whether as a packaged or modular system*

- ◆ Complies with BS EN 737, HTM2022 and C11
- ◆ Easy to install
- ◆ Anti-vibration mountings on pump units
- ◆ Laboratory and Dental applications also available
- ◆ Fully tested prior to despatch
- ◆ Bacterial efficiency 99.999% to BS 3928
- ◆ Complies to IEE Codes of Practice and is designated Class II equipment

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## Product Summary

The Penlon Medical Vacuum Plant is designed to provide a fully automatic system in accordance with the requirements of HTM 2022 and C11.

The Medical Vacuum Plant shall consist of two or more vacuum pumps, receiver vessel(s), bacterial filter assemblies, control system and associated pipework and valves.

The vacuum pumps, which will be air-cooled, oil flooded, rotary vane type will draw air into the receiver vessel via the filter assemblies. The filter assemblies will be duplex to allow the plant to

remain in service during filter element replacement. Condensation traps and flexible links will be fitted to each exhaust.

The control circuitry and power management system will fully monitor the safe operation of the plant, providing signalling into the alarm system in line with the requirements of HTM 2022. Also provided will be a set of volt free contacts to enable the connection of the alarm conditions into the building management system, without the need for additional relays.

## Features

### Design features

- ◆ Meets the requirements of BS EN 737, HTM 2022 and C11
- ◆ Anti-vibration mounts on pump units
- ◆ Standard controls include complete operating and indicating system
- ◆ Monitoring includes plant to alarm system interface and indicator
- ◆ Multi-purpose test point fitted adjacent to plant/pipeline interface
- ◆ Acoustic hoods available on request
- ◆ Condensation traps and flexible links fitted to each exhaust

### Easy to install

- ◆ All interconnecting wiring and pipework included
- ◆ Copper stub pipes for ease of connection to MGPS using inert gas jointing procedures

### Service and Maintenance

- ◆ Throughout the UK our network of service engineers provides full Service and Maintenance support of the highest quality
- ◆ Outside the UK our fully trained distributors provide a similar local service

### Component List

Duplex Unit (components are mounted on the receiver vessel)

- ◆ Rotary vane pumps with electrical starter panels
- ◆ Horizontal receiver vessel
- ◆ Filter assemblies
- ◆ Interconnecting wiring and pipework

### Modular Unit

- ◆ Rotary vane pumps (two/three duty pumps, and one standby) with electrical starter panels
- ◆ Vertical receiver vessel(s) (maximum of two)
- ◆ Frame mounted filter assemblies
- ◆ Interconnecting wiring and pipework

### NOTE

Components for Dental and Laboratory applications differ from those listed above, please contact the Sales Office for further information

## Ordering Information

Contact our Sales Office, or refer to our latest price list for part number and price information

### Medical Gas Pipeline Sales

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