

PCL CENTRAL VACUUM CLEANER

For professional cleaning in marine & offshore



MATERIALS

PART	MATERIAL	FINISHING
Frame	Carbon steel	Powder coating
Pipeline options	Stainless steel EN 1.4301 (AISI304), EN 1.4404 (AISI316L), PVC-U	-
Flushing valve	Steel	Galvanized
Inlet valve	Stainless steel EN 1.4301 (AISI304),	-

PROCLEAN PRODUCT OPTIONS

Halton ProClean central units are available with following options:

- Supply power: 3AC 380...480 V / 690 V
- Supply frequency: 50 Hz / 60 Hz
- 3,0 – 29,0 kW motor power per unit
- Fieldbus connection
- System start from inlet valve, start timer or from external signal
- Tailored logic program
- Tailored additional features

A wide range of accessories available.

APPLICATIONS

Every Halton ProClean vacuum unit serves multiple simultaneous users. The module design minimizes investment and maintenance. A single fire zone can be operated even with only one central vacuum cleaning unit. A module contains a central unit (complete unit with two stage filtration: cyclone and a fine filter, dust container, control cabinet, automatic filter cleaning), piping, inlet valves, pipe cleaning valves and vacuum cleaning equipment.

Sensors optimize vacuum power and minimizes power consumption continuously. The Halton central vacuum cleaning requires minimum maintenance which results in less maintenance costs.

Central unit, inlet valves and cleaning valves are all made of robust materials. Pipelines are designed to withstand vibrations, heavy use and high suction pressure.

FEATURES

- 1 to 12 users per vacuum system. Normally 1-2 vacuum system per fire zone.
- Piping size is from Ø50 mm up to Ø160 mm
- Vacuum pressure up to -300 mbar
- Robust, industrial quality materials & components
- Demand based, energy efficient power control with frequency controller and pressure transmitter
- Minimal maintenance need, even on continuous operation
- No pipe blockages, thanks to automated pipe flushing function
- Potential free status information available to vessel automation system
- Restraint of use, system can only be started and operated by vessel/platform personnel
- Long lifetime, lasts for vessel's lifetime

OPERATION PRINCIPLE

Halton ProClean central vacuum cleaning system is user friendly as it is automated to control vacuum level, filter and pipeline cleaning. System starts by plugging in the vacuuming hose or from start timer. Power level is adjusted to maintain constant suction pressure, regardless of number of connected users.

Maintenance need is minimal, thanks to automated functions and robust components. 80-liter dust container has a plastic bag to be replaced around once per month. Fine filter cartridge is very long lasting thanks to cyclone pre-separation and automatic filter cleaning. Side channel turbine and other components are of industrial quality and require no annual maintenance.

System can be monitored by and controlled from vessel's central automation system. Bulkhead and other piping penetrations are done same as for drainage piping.