

Military grade fire protection

HI-FOG® electric pump unit for navies

The new HI-FOG® Electric Pump Unit for navies (HI-FOG® EPU-NA) helps ensure navies around the world get the best in water mist fire protection.

This sturdy new solution delivers reliable fire protection even in the toughest naval applications. With standard, modular components, the HI-FOG® EPU-NA is highly customisable, dramatically improving the ease with which navies can implement HI-FOG® water mist precisely as they need.

HI-FOG® EPU-NA key features:

- Anti-shock construction
- Compact components
- Flexible configuration
- Anti-magnetic construction (optional)

Robust solution

Developed according to stringent anti-shock and vibration requirements, the HI-FOG® EPU-NA is the first in Marioff's products developed specifically for naval applications. The HI-FOG® EPU-NA consists of pump modules, tank units and filter modules developed specifically for naval applications.

Electrical control cabinets and panels will be designed to local specifications and mounted on dampers if necessary.

Perfect fit

The HI-FOG® EPU-NA is highly modular, supporting a wide range of configurations. The pump and tank units are very compact. Each module is small enough to fit through an 800x800 mm hatchway. The system can also be constructed to meet anti-magnetic requirements for mine warfare vessels.

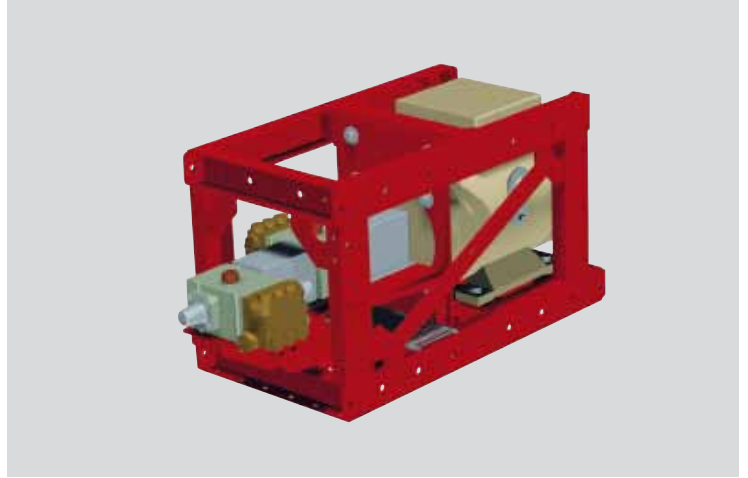




Pump module

The pump configuration is built up using nominal 100 L/min modules. Module frames are manufactured from aluminium. The module cross section is less than 800x800 mm. Motors and pumps can be removed from the frame for maintenance without disturbing other components.

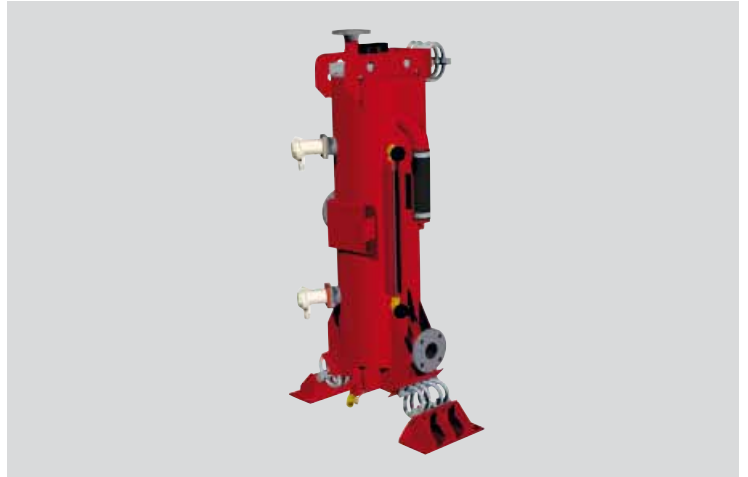
The frame has been constructed to withstand static acceleration with a significant safety factor far above typical needs. Pump modules can be easily stacked in a variety of ways to meet space and flow capacity requirements.



Tank module

The HI-FOG® EPU-NA comes with two tank alternatives. The first alternative is a floor-mounted tank. This tank uses a sheet metal design with inner walls. If larger tank capacity is required, these tanks can be constructed as a single, connected series.

The second tank alternative has smaller footprint and taller design. Two wire dampers at the bottom and one at the top support the tank. The tall design means a large flow capacity can be achieved even with a small tank.



Filter module

Filter modules for the HI-FOG® EPU-NA allow the system to switch to salt water if the tanks are emptied. They accommodate separators for pump configurations from 100 to 800 L/min and are mounted to both deck and bulkhead.



Head Office