FILTER UNIT

Filtering of polluted air | Ventilation | Easy in use
FILTER UNIT

With Merford’s Filter Unit, polluted air can no longer enter the cabin and the operator is continuously provided with fresh air.

GOOD AIR IS A MATTER OF COURSE WITH MERFORD’S FILTER UNIT
Polluted air can harm the health and performance of your crane drivers. Therefore, it’s very important to protect them against the vessel’s exhaust emissions. At the same time, ventilation is needed in the cabin to provide the crane driver with the oxygen he requires. This inhaled air needs to be free of pollution. The use of a carbon chemical filter and dust filters minimizes the concentration of harmful gases.

EASY IN USE
Merford’s Filter Unit can be mounted on cabins easily. A filter box contains dust, carbon and chemical filters. When a filter needs to be replaced, the filter detects it and notifies the operator with a LED and buzzer signal.

REPLACING FILTERS AND POWERING THE UNIT
Each filter can easily be replaced within approximately 30 seconds. The Filter Unit measures 700 x 500 x 400 mm (width x height x depth). A 1200 W heating is included. The system needs a 208-230V 50/60Hz power supply.

HARMFUL EXHAUST EMISSION
Ships at berth often have the generators running, creating harmful exhaust emissions. There is a considerable risk of this polluted air entering the operator’s cabin.
- The gases absorbed by the carbon chemical filter are sulphur dioxide (SO2), nitrogen oxides (NOx), hydrocarbons (HC), poly-aromatic hydrocarbons (PAH) and volatile organic compounds.
- The use of special dust filters stops dust entering the cabin.
- Various types of sensors can be used to optimise the filter’s lifespan.