



SAFE-AIR TROLLEY

Dimensions

Length(mm).....: 600 Width(mm).....: 560 Height(mm).....: 1040
Weight (kg).....: 75
Lifting/ Transportation.....: Trolley. Transportation on pallet

Construction year

Built.....: 2020

Area of use / certification

Onshore/offshore.....: Offshore
Standard.....: Fresh air in accordance to NS-EN 12021

Type

Users (Qty).....: 4
Item type.....: Safe-Air Trolley
Fabricator.....: Vestteknikk
Model.....: SAT950HD

Content

Content.....: - Mobile unit for cleaning and drying of fresh air
- CO /CO2 reduction system
- Pneumatic alarm if low pressure

Flow / Pressure / Volume

P-max (bar).....: 16

Connections

Air connection.....: Offshore claw coupling (950 ltr/min. Minimum 4 bar)
(Air inlet temperature range 1,5 - 30 GrC.

Additional information

Equipment / Functions.....: Use with FLP (FRESH AIR PACKAGE) for complete set for 4 users

OPERATION

The compressed-air supply is connected to the input connection on the side of the Safe-Air Trollies, air is then passed through a 25 micron pre-filter and a 0.01 micron oil mist coalescing filter. The air is then delivered to a pneumatically controlled pressure swing dryer incorporating a desiccant media capable of both drying the air to a pressure dewpoint of -40°C and significantly reducing the levels of carbon dioxide. Purge air from this system is exhausted from the cabinet via silencers. The dried air is now passed through a hopcalite catalyst filter which oxidises excess levels of carbon monoxide back to safe levels of carbon dioxide. The air is then finally passed through a carbon filter which protects against potential breakdown in the desiccant media, removes odours and further reduces any oil carryover to less than 0.003ppm.

The systems provide a safe reliable source of breathing quality air in excess of all international breathing standards with the additional confidence of protection against surplus levels of carbon monoxide and carbon dioxide.