ACCESSORIES

Fine dust filter

- to filter the cooling air of diesel generating sets, air conditioners and self-sufficient power supply systems
- for use in dust-intensive environments, e.g. when driving in convoy.

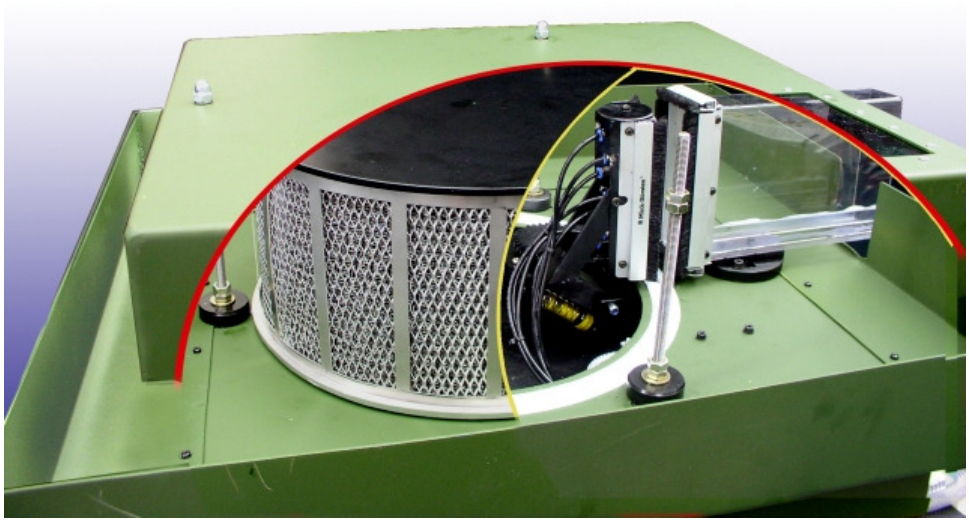
Operational area

In desert areas, the dust load mainly consists of finest dust particles, which coats the wire mesh or bag filter in no time. Cyclone filters only filter out finest dust particles with filter degrees of over 99% and generate, with those high amounts of air, a counter-pressure of about 1,000 Pa.

The fine dust filter cleans itself with pneumatic expansion chambers. Self-cleaning also functions if humidity has made the dust sticky.

Function

A cylinder with mesh filter EU3 slowly turns with a speed of 1 rpm. At one point of the circumference -inside the cylinder- there are two expansion chambers with three jets each. Every 2 seconds, these jets blow out pulsating air through the wire mesh with a frequency of 2Hz.



AC-DC-distributor

Size: (W x H x D) 300 x 660 x 200 mm.
Aluminium casing with rubber vibration muffler. It has 3 transparent hinged lids for automatic circuit breakers, metal mounting plates and metal flange plates and metal screw connections to put on the shields.

AC-distributor with

1 main switch
3 automatic circuit breakers 1x16 A
3 LED for phase control
1 air-break contactor 3-phased

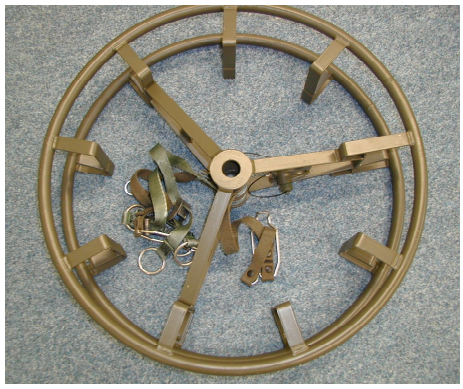
DC-distributor with

22 automatic circuit breakers 3 - 80A
2 LED for operational indication
1 LED for indicator 24VDC OK
2 main switch/battery switches 2-poled 80A
1 relay for emergency off
1 key-switch accept electric horn
1 indicator for emergency service
1 failure indication relay set
1 switchboard unit cabin room illumination / emergency lantern
wired on clamps

ACCESSORIES

Cable drum

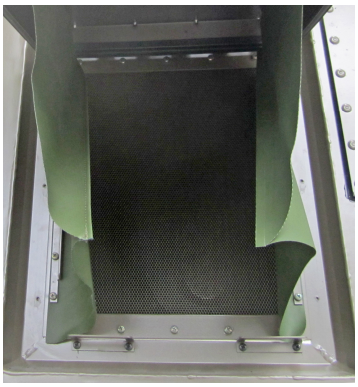
Size: (diameter x width) 560 x 127 mm, made of painted steel tube with clamping belts, ready varnished with shaft and direction cone for clutch for 2 High Frequency cables 15 m / 25 m



Additional fan 24V DC or 230 V AC

	24V DC	230 V AC
size inner part	(W x H x D) 416 x 330 x 237 mm	
size outer part	(W x H x D) 421 x 312 x 81 mm	
fan	2-step fan	infinitely adjustable fan (potentiometer)
switch	rocker switch	
approx. weight	6.4 kg incl. 3m cable	6.8 kg without cable
current input approx.	level I 2.2A level II 2.2A	minimum 0.1A maximum 0.4A
rate of air flow approx.	level I 1.3 m³/min level II 3.0 m³/min	minimum (0)1.2 m³/min maximum 2.9 m³/min
varnish inside	RAL 6019, linden green	
varnish outside	RAL 6031, bronze green	

coarse dirt filter



honeycomb filter

inside part

ACCESSORIES

Signal connection panel

Size: (W x H x D) 352 x 352 x 230 mm, incl. varnishing and printing on front panel, outside connection with press clamps and circular plugs, inside connection with D-Sub plug, 4 filters for 8 pair of leads each, completely wired

Rack cooling / heating modules

A tap fixed in the coolant cycle at the injection to the evaporator of the re-circulating air module, makes it possible to use separate rack cooling re-circulating air units.
These split units are also fitted with electronically regulated injection valves.

- separate set temperature in racks
- cooling / heating performance regulated according to actual dissipation heat in the rack

Power ranges

cooling performance 1.0 – 2.5 kW
heating performance 0.4 – 0.8 kW

Advantages of separate rack cooling / heating

- separate set temperature in racks (typical 25° to 35°C)
- savings in performance
- ergonomically optimised temperature for personnel (typical operating temperature 22°C)
- independent of electronic built-in units
- low air speed in the workroom because electronic waste air is treated separately
- prevents bedewing
- fast set temperature after starting: in a 19" cabinet, with an outside temperature of -32°, an operating temperature of +5° is reached within 15 min. with 300 W heating performance
- standby mode for equipment and workroom
- long-term storage for equipment

ACCESSORIES

Optical fibre connector

HEBXL (Hermaphroditic Expanded Beam Extra Large) Flange Mount Bulkhead

Description

The HEB (Hermaphroditic Expanded Beam) Technology allows the use of optical data transmission under the roughest conditions.
The plug programme gives the user the safety that the communication connection is functioning durably and reliably.
The hermaphriditic design is especially practical as it guarantees a standardised fast handling and allows cable extensions without adapter. Different connectors may be put together.
The HEBXL style Expanded Beam connector is designed according to the Eurocom II military standard. The broadcast and industrial markets also use this connector style in a variety of application. The HEBXL range features 1-12 optical channels in Multimode.

Technical data

The connectors are generally available in Singlemode and Multimode with best performance in class. By design the connectors are future proof, as the optical path is optimised to support the range from 850nm to 1310nm in Multimode and 1310nm to 1550 for Singlemode application.
These connectors are agnostic to the signal passing through, so WDM is also possible, whenever higher bandwidth needs to be transmitted. The connectors are field repairable. The unique RFID tagging system provides a tool for inventory control and carries the performance data as an electronic test certificate. Having as standard; aluminium anodised housings, the connectors are also available in stainless steel, which meets the requirements for naval, mining and other extreme applications.

- ✓ Eurocom II Form Factor
- ✓ Hermaphroditic
- ✓ Multimode
- ✓ 1-12 Channels
- ✓ Field Repairable
- ✓ RFID Marked
- ✓ Anodised Alu / Stainless Steel
- ✓ Military, Oil & Gas. Broadcast & Industrial

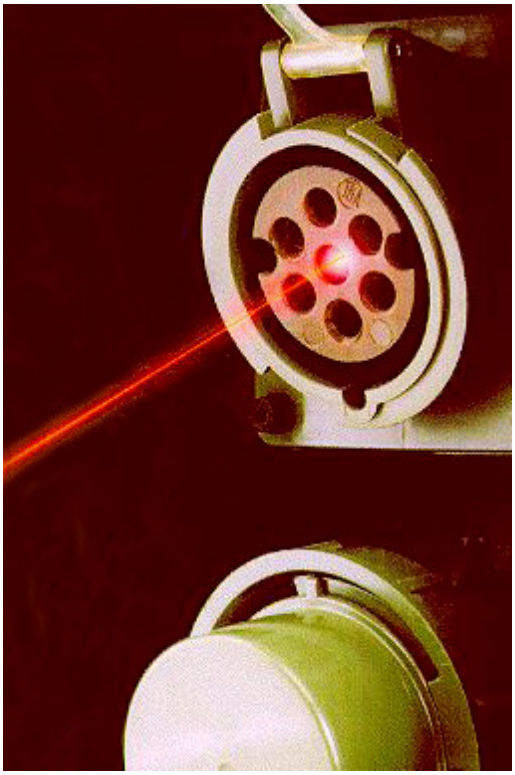
Art.-No.	Description
HEBXL-FMBH-MM yy	HEBXL (Hermaphroditic Expanded Beam Extra Large) Flange Mount Bulkhead

yy = channel counts: 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12

ACCESSORIES

Optical fibre connector

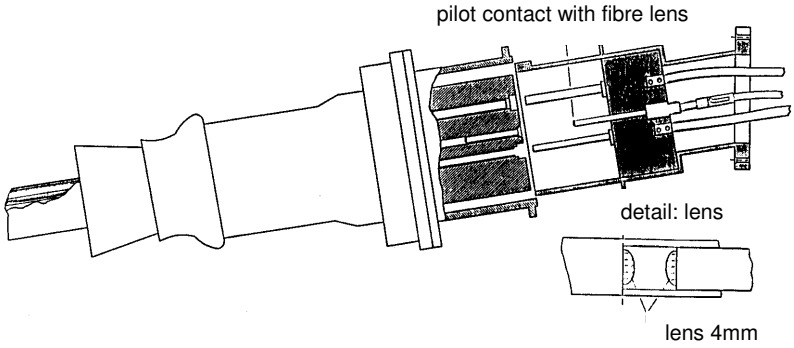
Pat. P 39 14 978.1



Data link using light waves combined with power supply

For this data link a power cord, which conducts the copper line of 5 x 2.5 mm² and, on the inside, the mechanically protected optical fibres, was developed.

The cord is conducted via a slightly modified CEKON plug. The plug remains in the electric part of the original CEKON model, but the lens and the spliced fibre core are in the pilot contact on the inside. On the picture, you can see the lens and fibre core in detail.



Full duplex transmission through : S 200/230 HCP fibres

Wave length : 850 nm

Typical coupling loss : 3 dB per km for those fibres which were used

Transfer rate : max. 38.4 kBaud

Emergency skates for containers with ISO corners

These fixed skates make it possible to move containers and cabins, with ISO corners, of up to 12 Tons (3T per set of skates). The skates are fixed to the ISO corners so they cannot slip out of place when pulled/pushed, especially when the containers have to be moved over uneven surfaces.