

Workplace design

Tornadohood - for Paint Shops

At the request of The Danish Maritime Occupational Health Service a standardised local extraction for use in Danish ships has been developed in the form of a Tornado Hood.

The Tornado Hood has been designed for paintshops, workshops or other rooms, where work involving the development of toxic vapours, is carried out.

The Hood, which has been presented to The Danish Maritime Authority, meets the requirements for local extraction on board Danish ships.

The Tornado Hood works with both injected air (pilot air) and extraction of air.

At the bottom of the Tornado Hood the pilot air is injected as a vertical airflow through nozzles near the rear edge of the hood. This airflow causes a vortex to form in the hood, extracting hazardous fumes, away from the operator's breathing zone.

At the top of the Hood the air is extracted and it should be channelled out into the open.

In order to gain optimum effect and a healthy and ergonomically correct working position, a work- and mixing table has also been developed. One section is height adjustable. The table is sold as accessory for the Tornadohood.

Ordering table

Art. No.	Description
01-849	Tornadohood GT-600
01-900	Tornadohood GT-900
01-829	Tornadohood GT-1350
01-901	Mixing table GT-900



The tornado hood is designed to provide a safe work environment for seamen working with mineral turpentine, acetone, paint thinner and other hazardous substances.

GT-600



GT-900



GT-1350



Tekniskedata

	GT-600	GT-900	GT-1350
Order no.	01-849	01-900	01-829
Width:	625 mm	925 mm	1375 mm
Depth:	725 mm	725 mm	725 mm
Kanal, udsugning:	ø160 mm NP	ø160 mm NP	ø160 mm NP
Duct, extraction	ø80 mm NP	ø80 mm NP	ø80 mm NP
Duct, pilot air	LSX 146, 0.25 kW, 3 x 440 VAC, 60 Hz, 0.81A, EEX-e T3 explosion-proof.		
Extraction fan	MSX 180, 0.55kW, 3 x 440 VAC, 60 Hz, 1.3 A, EEX-e T3 explosion-proof.		MSX 200, 1.1 kW, 3 x 440 VAC, 60 Hz, 2.6A, EEX-e T3 explosion-proof
Noise level for the two fans and the hood: 78dB(A)	78dB(A)	78dB(A)	78dB(A)
Required volums of air extraction	600-800 m ³ /h	600-800 m ³ /h	1300-1800 m ³ /h

Accessories:

- 1 pcs. outletflange 180/ø160/200
- 1 pcs. flowsensor
- 1 pcs. U-pipe manometer 0-500 Pa

Fan to Tornadohood delivered as standard: 3x440V, 60Hz. Other options at request.

Mixing table: The table, is executed in hot galvanized steel plate with pre drilled holes for easy assembly. The table is supplied unassembled. One section of the table is height adjustable for maximum comfort.

Order No: 01-901.

Assembly

