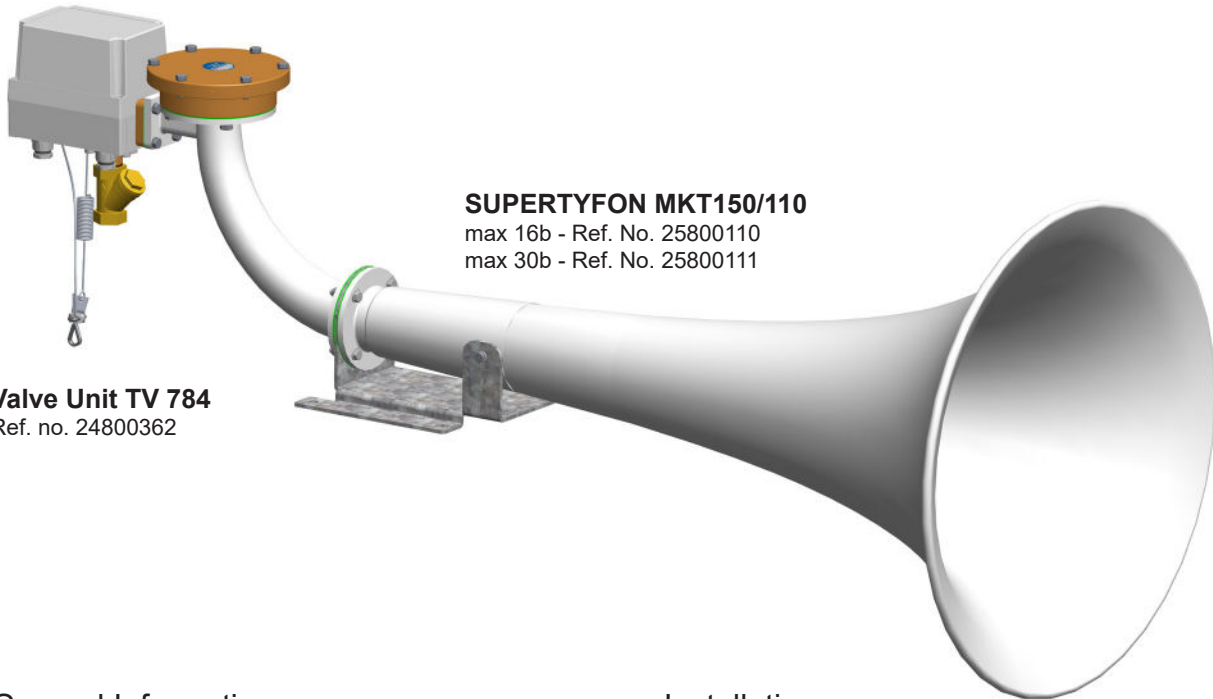


SUPERTYFON[®] MKT150/110 with Valve Unit TV 784

A high-power whistle according to IMO for vessels 200 m or more in length



SUPERTYFON MKT150/110

max 16b - Ref. No. 25800110

max 30b - Ref. No. 25800111

Valve Unit TV 784

Ref. no. 24800362

General Information

Nowadays, each vessel from 12 metres and more (length over all) must be equipped with sound signal appliances which are type approved according to the IMO regulations. Hence, one part of the responsibility is the manufacturer's, but still one important part is the shipowner's regarding the choice of appropriate equipment for the vessel in question, the installation and use.

The reason behind the stipulated use of 1/3 octave band filters when measuring is connected to the theory of the hearing sense. A "complex" sound like that from TYFON[®] or SUPERTYFON consists of several harmonic components. Consequently, the total SPL value is considerably higher than the measured (stipulated) 1/3 octave value.

Positioning Whistles

For an all-round radiation and a limited noise level from the ship's whistles at the listening posts, the positioning of the ship's whistles is very important. For further information regarding installation regulations and "Combined Systems", see our leaflet "IMO Regulations, KSM 265".

Valve Unit

The VALVE UNIT TV 784 has a good air flow section, thermostatic heating, exchangeable choke flanges and filters. The apparatus is fitted with two coils for normal and emergency operation and lanyard as standard (see the separate leaflet Valve Unit TV 784, KSM 264).

Installation

SUPERTYFON MKT150/110 is to be fixed with four M12 bolts to an outrigger or similar construction. To avoid functional trouble blow the supply pipe thoroughly clean before connecting to the signalling whistle.

If the pipe line above deck is longer than 100m, a primary FILTER TP 15/2 should be installed at the foot of the mast to protect the signalling apparatus from water condensate and rust particles. This filter is recommended to be drained regularly, approximately once a month.

Technical Data

Frequency: 110 Hz

Sound Pressure Level (1m):

Total: 149 dB

1/3 octave IMO limit: 143 dB

Air consumption: 60-70 l/s

Air supply pressure: 0,6—3 MPa (6—30 bar)
Please state the working pressure when order.

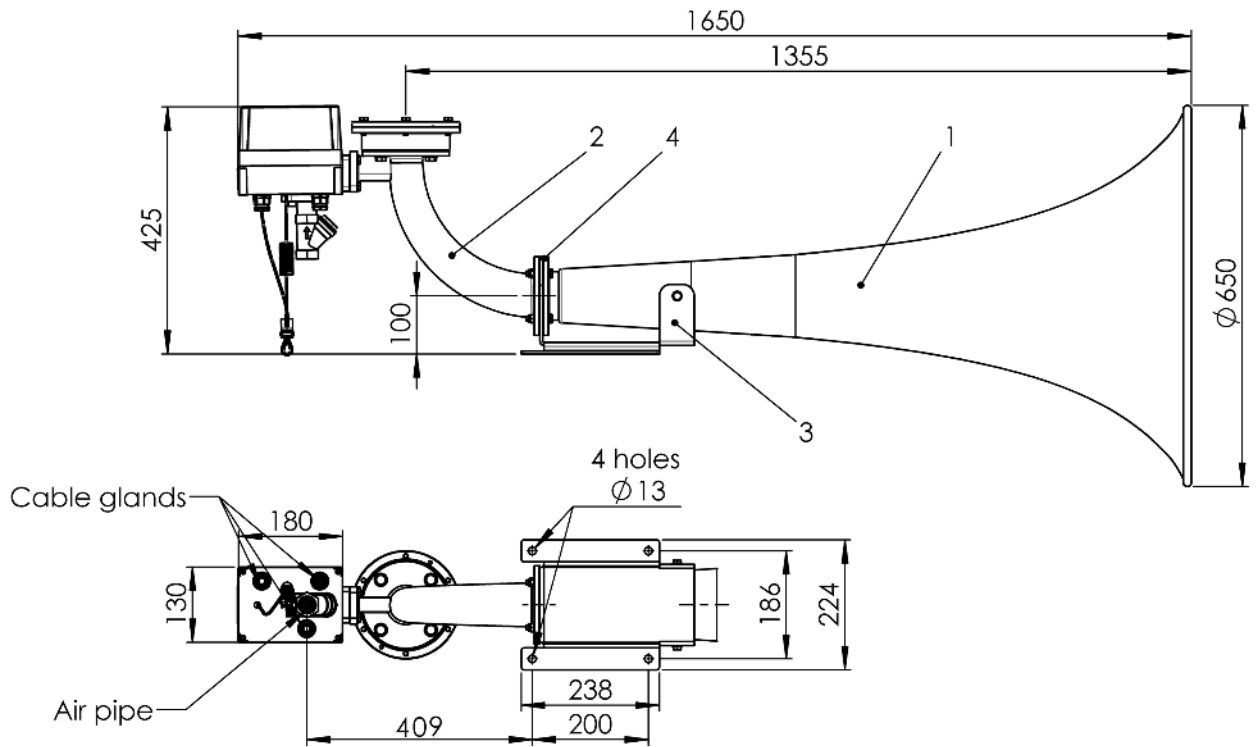
Electric power:

Thermostat heating: 24 W

Valve: 27 W

Weight: 52 kg

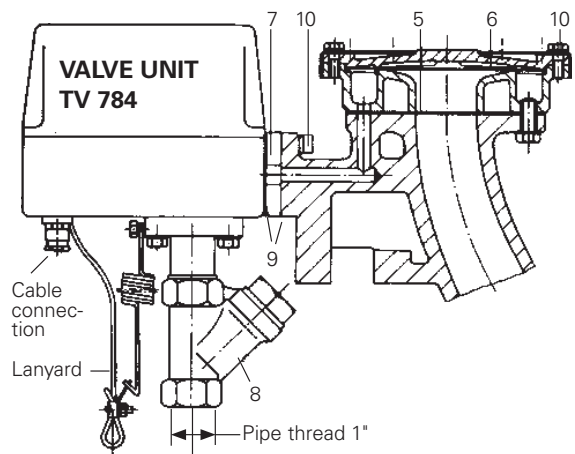
MKT 150/110: Spare Parts and Dimensions



Bottom view

(all units in mm)

Spare Parts MKT 150/110			
Item	Name	Material	Art no
1	Horn MKT 150/110	Glass-fibre reinforced Polyester/ Galvanized cast iron	24800288
2	Bend	Galvanized cast iron	21800461
3	Base	Galvanized steel	21800679
4	Gasket (2pcs)	Asbestos free rubber mould.	21801101
5	Gasket (2pcs)	Asbestos free rubber mould.	37710234
6	Diaphragm set	Titanium/ Nitrile rubber	39880259
7	Choke flange (state pressure)	Brass	21768201
8	Filter 16b	Brass	20900102
	Filter 30b	Stainless steel	32170417
9	Packing 62 x 62 x 1	Nitrile rubber	21765037
10	Screw M6S 8 x 25	Stainless steel	20801123



Spare parts can be obtained from Kockum Sonics or their agents. When ordering, please, give working pressure, reference number and part name.

Spare parts for valve unit, see Valve Unit TV 784, KSM 264.

Pipe line dimensions		
Working pressure MPa (overpressure)	Length of pipe metres	Inside diam. of pipe, mm (inches)
below 2,0	Max. 150	Min. 29 (1 1/4")*
	150—350	Min. 35 (1 1/2")*
above 2,0	Max. 150	Min. 23 (1")*
	150—350	Min. 28 (1 1/4")*

*Converting fitting necessary for connection to signal apparatus.

Air Pressure Choking

The basic condition for good performance and reliable function is the appropriate air pressure activating the diaphragm.

When ordering, please state the working pressure. If the connection pipe is dimensioned in accordance with the recommendations (see table), the pressure gauge reading at the air receiver in the engine room is adequate for choice of choke.