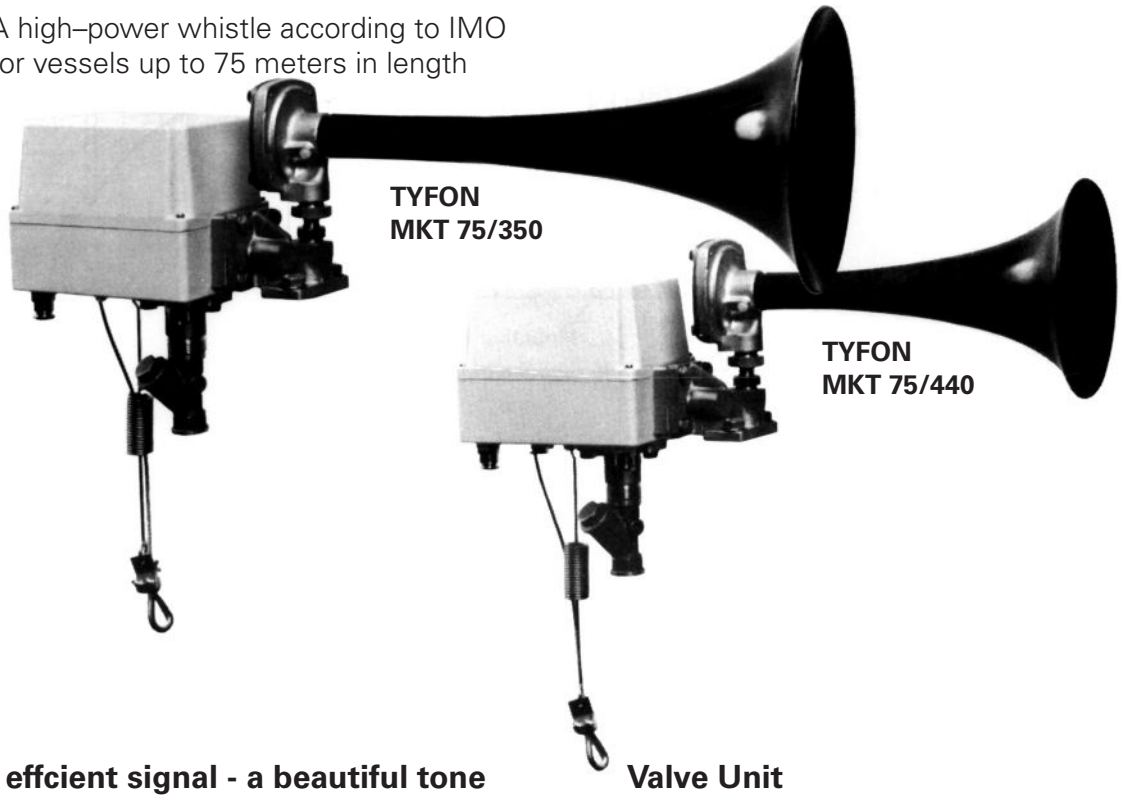
Kockum Sonics

venteville

TYFON® MKT 75/350, 440, 660 with Valve Unit TV 784

A high–power whistle according to IMO
for vessels up to 75 meters in length



An effcient signal - a beautiful tone

A penetrating sound means a sound capable of reaching a listener on a distant vessel under normal noise conditions. From this respect, it is not only the sound pressure level that is the important factor, but the content of appropriate frequency components in the signal. This simple fact tells us that apart from the formal demand on the whistle - having a sufficiently strong component within one 1/3 octave band (IMO regulations) - there are other important quality factors too.

MKT 75/- of all sizes have always had an efficient sound spectrum fulfilling the highest demands - on vessels as well as in a great many civil defence and disaster alarm stations on land. Their popularity can be summarized in practical terms:

- a sound spectrum which gives excellent signal quality for detection — by several strong penetrating com-ponents,

- a sound generated in a simple classical way giving full strength also under hard and varying environmental conditions.

Positioning Whistles

IMO describes the importance of appropriately positioned whistles. The best solution from all aspects is a combined system with a frequency difference of at least 10 Hz, but preferably more. Good combinations can be chosen with our variants in the MKT 75/– series, e.g. 260 and 440 Hz, 350 and 440 Hz.

For the prescribed all–round sound radiation, funnel or front wall mounting are generally not acceptable when only one whistle is used.

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 separate leaflet KSM 264). .

Signal Control Facilities

Signal Controllers of various types are available for this sound emitter, see separate leaflets.

Technical Data

Frequencies (basic):	350, 440, 660 Hz
Sound Pressure Level (1 m):	
Total:	143 dB
1/3 octave IMO limit:	130 dB
Air consumption:	7 - 10 l/s (0.25 - 0.35 cfs)
Air supply pressure with choke regulation:	0,6 - 3 MPa (6 - 30 bar)

TYFON®

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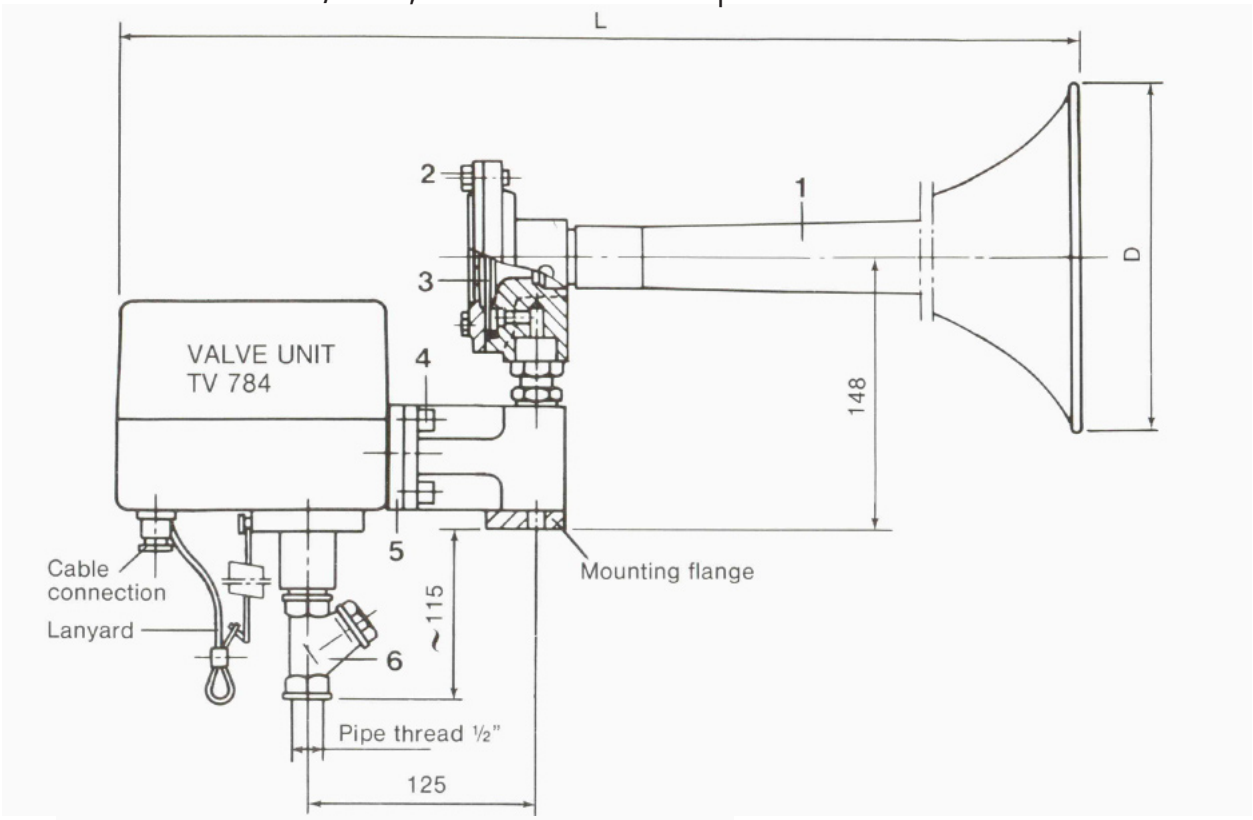
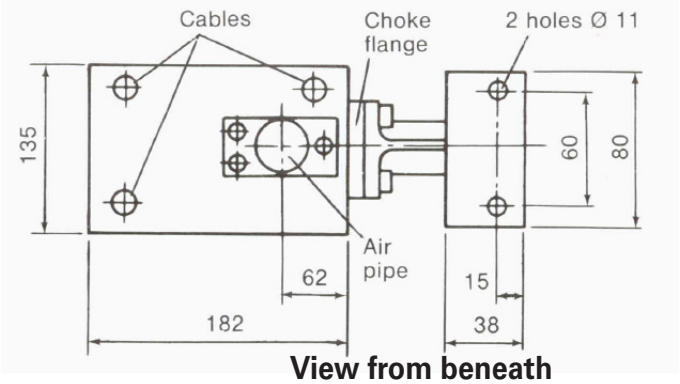
MKT 75/350, 440 and 660: Spare Parts and Dimensions





View from beneath

TYFON	Freq. (Hz)	Dimensions		Weight
		D	L	
MKT 75/350	350	200 mm	645 mm	6.5 kg
MKT 75/440	440	180 mm	550 mm	6.5 kg
MKT 75/660	660	140 mm	420 mm	6.0 kg

Installation

WHISTLE series MKT 75/- are to be fixed with two M10 bolts to an outrigger or similar construction. For the air supply, copper piping with a minimun of 8mm (0.3") inside is recommended to be used. It must be noted that long pipe lines and low pressure require wider piping. If the pipe line is longer than 100 m (33') a primary filter type TP 15-2 should be installed at the foot of the mast to protect the signal apparatus from water condensate and rust particles. This air filter is recommended to be drained regularly, approximately once a month. To avoid functional trouble, blow the supply pipe thoroughly clean before connecting to the signalling whistle.

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.

Spare Parts			
No.	**Name**	**Material**	**Ref No.**
1	Horn 350 Hz Horn 440 Hz Horn 660 Hz	Thermoplastic Thermoplastic Thermoplastic	32170867 32170885 32170874
2	Screw M6S 6x16	Stainless Steel	32570288
3	Diaphragh KM 75 C	Titan / Nitrile rubber	21758003
4	Screw M6S 8x25	Stainless Steel	32570028
5	Choke flage (state pressure)	Brass	21768201
6	Filter	Brass	32170418

When ordering spare parts, give part name and reference no. Spare parts for valve unit, see leaflet Valve Unit TV 784.

Subject to alteration without notice.

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