

## High-power whistles according to IMO for vessels up to 75m in length



### An efficient 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.

**TYFON series 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 components,
- a sound generated in a simple classical way giving full strength also under hard and varying environmental conditions. Therefore, TYFON is heard all over the world!

### Appropriately positioned 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 leaflet Valve Unit TV 784 for further information.

### Signal Control facilities

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

### Technical data

|  |                       |
|--|-----------------------|
| Frequencies (basic):                       | 350, 440, 660, 800 Hz |
| Sound Pressure Level (1m):                 |                       |
| – Total                                    | 143 dB                |
| – 1/3 octave IMO limit                     | 130 dB                |
| Air consumption:                           | 7–10 l/s              |
| Air supply pressure with choke regulation: | 0,6–3 MPa (6–30 bar)  |
| Electric power:                            |                       |
| – Thermostat heating                       | 24W                   |
| – Valve                                    | 8–15W                 |
| Weight (approx.):                          | 6,5 kg – 6,0 kg       |

Postal Address

Address

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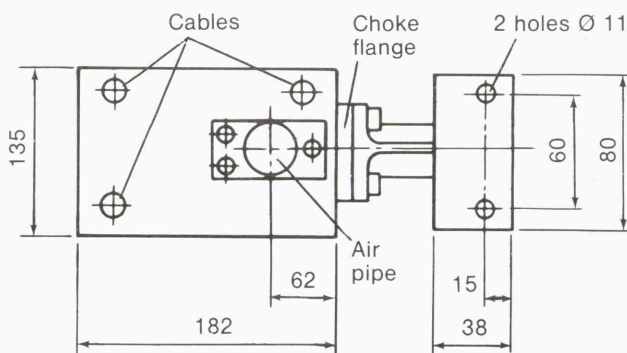
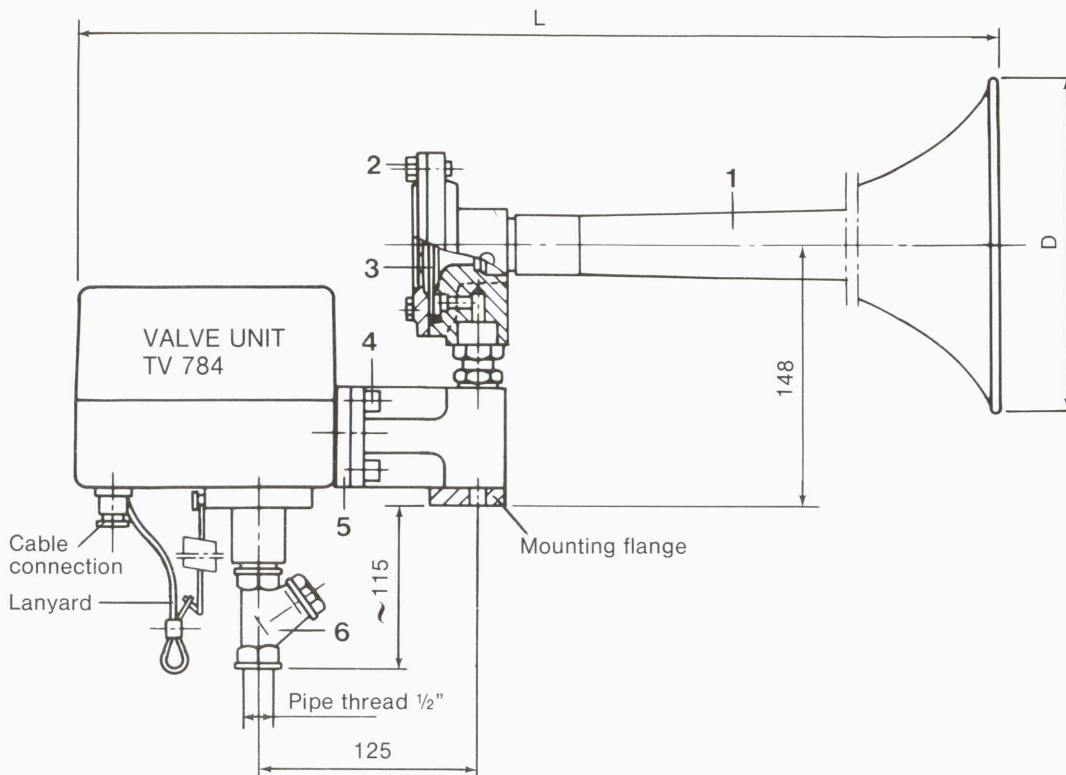
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KSM 273E/8605

## Tyfon MKT 75/350, 440, 660 & 800 Dimensions and Spare Parts



View from beneath

| TYFON       | Freq. Hz | Dimensions |     | Weight |
|-------------|----------|------------|-----|--------|
|             |          | D          | L   |        |
| MKT 75/350* | 350      | Ø 200      | 645 | 6,5 kg |
| MKT 75/440* | 440      | Ø 180      | 550 | 6,5 kg |
| MKT 75/660* | 660      | Ø 140      | 420 | 6,0 kg |
| MKT 75/800  | 800      | Ø 125      | 355 | 6,0 kg |

\* These types comply with the requirements of IMO 1972 for vessels up to 75 metres in length.

### Installation

**TYFON series MKT 75/-** are to be fixed with two M10 bolts to an outrigger or similar construction.

For the air supply, copper piping 10/8mm 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 100m, 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 voltage and working pressure at the signalling apparatus.

### Spare parts

| No. | Name                          | Material              | Ref. no. |
|-----|-------------------------------|-----------------------|----------|
| 1   | Horn 350 Hz                   | Thermoplastic         | 32170867 |
|     | Horn 440 Hz                   | Thermoplastic         | 32170885 |
|     | Horn 660 Hz                   | Thermoplastic         | 32170874 |
|     | Horn 800 Hz                   | Thermoplastic         | 32171254 |
| 2   | Screw M6S 6 × 16              | Stainless steel       | 32570288 |
|     |                               | Titan/ nitrile rubber | 21758003 |
| 4   | Screw M6S 8 × 25              | Stainless steel       | 32570028 |
| 5   | Choke flange (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.