



# *Mister Technology*



## *Mist Diffusers*

### **Create a sense of mystique**

The TORNADO range of Misters (nebulizers) covers the compact and small single head Mister and extends up to a Giant 9-head Mister unit. All units must be submersed 10-15 mm in the water to operate correctly. They also need reasonably sized reservoirs as to water consumed is significant ( a 5 head unit vaporizes about a litre an hour). The nebulisers are available in several sizes and mist intensities and can be used for many applications, e. g. in indoor fountains, terrarium, and aquaria, as air humidifiers, for indirect, cosy illumination and as decoration.

The new nebuliser generation opens completely new applications in the interior and exterior environment. Whether used as a decoration in the object environment or in the garden pond (with the accessory "Swimming ring"), a nebuliser and water allow you to create interesting effects without using any chemicals or other additions. There is hardly any limit to creativity.

The working method of the nebulisers is based on the spraying of water by means of ultrasonics using the piezo effect. Electrical energy is transformed into mechanical energy by means of a coated ceramic membrane (piezo membrane), i. e. high-frequency ultrasonic waves (1,7 MHz) cause a very high oscillation of the membranes used, thereby water is split into tiny drops and mist is produced. As a side effect, a small water fountain is generated by this high oscillation. The ultrasonics lie in a frequency range of 1,7 MHz which is harmless and inaudible for man and animals.

The piezo membrane used can be exchanged and has a life duration of approx. 2000 work hours, depending on the water quality esp. the lime content of the water. If the water contains much lime, distilled water should be used. The unit should be regularly cleaned with a soft cloth and warm water.

Through a resistance, which has the function of an electronic switch, the nebuliser switches off automatically when the water level is too low. This function prevents the membranes running when dry.





Model	Description	Power (watts)	Output (ml/h)	Cable Length
SUMDWT	<b>Single Head Mini Mist Diffuser</b> , 24v With Transformer, SizeØ40mm X 45mm High	29w	80	10 m
SUMDWR	<b>Single Head Mist Diffuser and Rainbow Lights (LED)</b> , (Incl Transformer)	40w	80	10 m
SUMD3T	<b>Three Head Mist Diffuser</b> , (Incl Transformer) SizeØ68mm X 55mm High	105w	240	10 m
SUMD3R	<b>Three Head Mist Diffuser and Rainbow Lights (LED)</b> , (Incl Transformer)	105 w	240	10 m
SUMD5T	<b>Five Head Mist Diffuser</b> , (Incl Transformer) SizeØ85mm X 55mm High	200 w	400	10 m
SUMD6R	<b>Six Head Mist Diffuser and Rainbow Lights (LED)</b> , (Incl Transformer) Size L260mm X 60mm x 60mm High	200 w	480	10 m
SUMD9R	<b>Nine Head Mist Diffuser and Rainbow Lights (LED)</b> , (incl Transformer) SizeØ125mm X 55mm High	280 w	720	10 m
SUMD3F	<b>Float for 3 Head Mist Diffuser</b> ,			
SUMD5F	<b>Float for 5 Head Mist Diffuser</b> ,			
SUMD6F	<b>Float for 6 Head Mist Diffuser</b> ,			

## Floats To Suit



