

## Technical specifications

Our HU/HT series have been specially designed for humidifying fresh products. The consistent operation of 26.000 systems around the world is a testimonial that our technology guarantees durability and optimal hygiene.

### High quality

- Available in capacities of 0,5kg to 100kg/hr
- Durable industrial grade stainless steel 316L chemically polished, used both for housing and interior
- Generates smallest droplet size of 1 to 3 micron
- Highest yield technology: 750g per transducer, this is 50% more than any other system
- Long-life transducers: 10.000 to 20.000 hrs
- Energy efficient (see specs. specific to model)
- Continuous and proportionally adjustable capacity from 0 to 100%- "Dry running" transducer protection
- Long-life ventilator, proportionally adjustable
- Modular expandable on single controller
- Low noise

### Hygiene

- Our humidifiers are made of chemically polished RVS 316L. This ensures that bacteria cannot accumulate in the material and it is easy to keep clean.
- An automatic flushing program ensures that the humidifier is flushed periodically (frequency adjustable) and filled with fresh water.
- When the humidifier is turned off, the internal reservoir is automatically emptied. No water is left behind. On the air side, an optional ozone generator is used to kill airborne bacteria. During a period of 2 hours during the night (timer programmable), ozone is injected into the humidifier and the diffuser outlets. Ozone (O3) effectively kills bacteria and will quickly change into regular oxygen (O2) without leaving any residue.
- We can guarantee durability and hygiene when our humidifier is combined with our reverse osmosis water treatment system. This filters bacteria and calcium from the water.

## General specifications

<b>Transducer frequency</b>	1,7 MHz	<b>Flushing frequency</b>	1x per hour (adjustable)
<b>Service life of the transducers</b>	10.000-20.000 hours	<b>Ambient temperature</b>	0 °C till 35 °C
<b>Size of the water droplets</b>	1-3 micron	<b>Water temperature</b>	5 °C till 15 °C
<b>Water pressure</b>	1-6 bar	<b>Ambient temperature compared to supply air temperature</b>	Non condensing
<b>Maximum water hardness</b>	8° German hardness (demineralised water recommended)	<b>Housing</b>	Stainless steel 316L
<b>OG (with integrated ozone generator)</b>			
<b>Capacity ozone</b>	0-20 mg/hour (adjustable)		
<b>Controlling ozone</b>	Via timer with day programming		

## Specific specifications



This ultrasonic humidifier is the show piece. Specially designed for delicate applications such as Humidors, museum show cases and small displays



This ultrasonic humidifier is particularly useful when installed under refrigerated counters due to the low height.



This ultrasonic humidifier is particularly useful in fruit and vegetable displays measuring 3 meters in length and in cold stores of 750 m<sup>3</sup>.



This ultrasonic humidifier is particularly useful in fruit and vegetable displays measuring 6 meters in length and in cold stores of 1.500 m<sup>3</sup>.

	<b>HU-150G</b>	<b>HU-25</b>	<b>HU-45</b>	<b>HU-85</b>
Maximum capacity	0-0,5 kg/hour (adjustable)	0-1,2 kg/hour (adjustable)	0-3,0 kg/hour (adjustable)	0-6,0 kg/hour (adjustable)
Diameter of outlet flange	1 x 40 mm	2 x 40 mm	4 x 40 mm (or 1 x 80 with adapter)	2 x 80 mm or 8 x 40 mm
Diameter of suction flange	80 mm	80 mm	80 mm	80 mm
Air flow	Adjustable (0-60 m <sup>3</sup> 0 Pa)	Adjustable (0-60 m <sup>3</sup> 0 Pa)	Adjustable (0-60 m <sup>3</sup> 0 Pa)	Adjustable (0-60 m <sup>3</sup> 0 Pa)
Outlet pipe length	4 meter	6 meter	6 meter	6 meter
Water connection	3/4" external	3/4" external	3/4" external	3/4" external
Water discharge	15 mm external	1/2" external	1/2" external	1/2" external
Content of water reservoir	100 cm <sup>3</sup>	300 cm <sup>3</sup>	650 cm <sup>3</sup>	1500 cm <sup>3</sup>
Mains voltage	230V ± 10% 50/60 Hz	230V ± 10% 50/60 Hz	230V ± 10% 50/60 Hz	230V ± 10% 50/60 Hz
Power consumption	60 W	120 W	250 W	450 W
Dimensions (LxWxH)	220 x 150 x 150 mm	270 x 260 x 160 mm	325 x 265 x 215 mm	450 x 265 x 290 mm
Weight	4 kg	8 kg	11,5 kg	18 kg



This ultrasonic humidifier is a powerful machine for large displays of up to 18 meters in length, cold storage of up to 4,500 m<sup>3</sup> and for show effects.



This ultrasonic humidifier is a dedicated solution for applications that don't allow the external air to be mixed with air that circulates through the HU-45 (CA environment).



The HT-1445/965/485 ultrasonic humidifiers/nebulizers, specially designed to treat large volumes. They have an automated fluid selector.



This System can be equipped with various Humidifiers and Water treatment systems. It is the perfect system for keeping your products fresh long-term. Available on request

	<b>HT-245</b>	<b>HU-45-CA</b>	<b>HT-1445-965-485</b>	<b>HU-SYS</b>
Maximum capacity	0-18,0 kg/hour (adjustable)	0-3,0 kg/hour (adjustable)	0-100 - 65 - 35 kg/hour (adjustable)	0-1,2 - 18,0 kg/hour (adjustable)
Diameter of outlet flange	2 x 110 mm	4 x 40 mm (or 1 x 80 with adapter)	4 x 200 - 160 - 110 mm	2 x 80 mm
Diameter of suction flange	80 mm	80 mm	400 mm	80 mm
Air flow	Adjustable (0-60 m <sup>3</sup> 0 Pa)	Adjustable (0-60 m <sup>3</sup> 0 Pa)	Adjustable (0-400 m <sup>3</sup> 0 Pa)	Adjustable (0-60 m <sup>3</sup> 0 Pa)
Outlet pipe length	12 meter	6 meter	40 meter	6 - 12 meter
Water connection	3/4" external	3/4" external	2 x 3/4" external	3/4" external
Water discharge	3/4" external	1/2" external	1" external	3/4" external
Content of water reservoir	4000 cm <sup>3</sup>	650 cm <sup>3</sup>	24 - 16 - 8 litres	300 - 4000 cm <sup>3</sup>
Mains voltage	230V ± 10% 50/60 Hz	230V ± 10% 50/60 Hz	400V ± 10% 50/60 Hz	230V ± 10% 50/60 Hz
Power consumption	1,3 KW	250 W	8 - 5,4 - 2,8 KW	120 W - 1,3 KW
Dimensions (LxWxH)	270 x 260 x 160 mm	630 x 300 x 570 mm	1115 x 950 x 1780-1370-950	660 x 425 x 290 mm
Weight	43 kg	30,5 kg	400 - 320 - 240 kg	41 - 55 kg



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