




COUNTERFOG® CLEAR

TECHNICAL DATA MARCH 2022

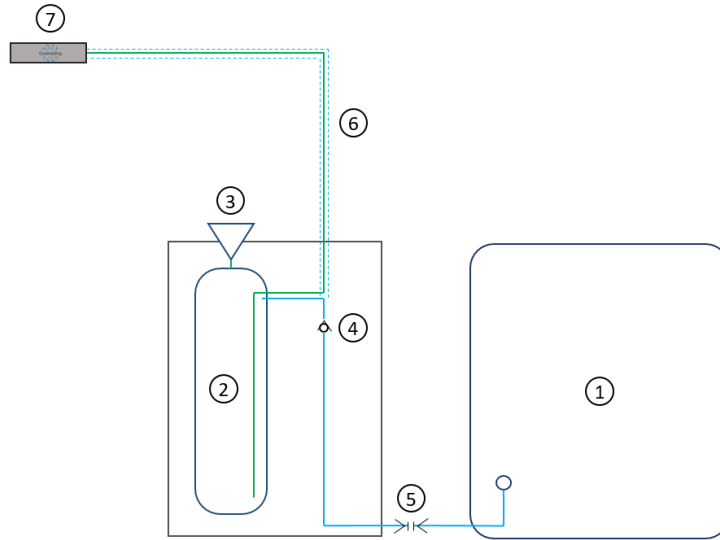
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COUNTERFOG® CLEAR TECHNICAL INFORMATION

Model	COUNTERFOG® CLEAR
Image	
Classification	PRESSURE EQUIPMENT
Category	II
Description	<p>COUNTERFOG® CLEAR is a fog-generating device for the rapid disinfection of buildings, indoor facilities, offices, vehicles, goods or objects.</p> <p>It provides a dynamic fog cone composed of sub-micrometric droplets of liquid which, when projected into the air, catch air-borne matter (dust, aerosols, spores, etc.). Applying the cone with biocidal liquid, it rapidly removes biological agents deposited or attached on surfaces, whether they are floating in the air or are easily resuspendable.</p> <p>Microparticles transported by the air or adhered to a surface, collapse with the droplets of liquid making them falling or detaching. The layer of liquid is extremely thin and evaporates in a few minutes, depending on the environmental conditions.</p> <p>COUNTERFOG® CLEAR can be used with any non-flammable liquid disinfectant depending on the purpose of each operation.</p>
Intended use	Counterfog® CLEAR can be used for decontamination, disinfection and sanitization of buildings, indoor facilities, offices, vehicles, goods or objects.
Suitable liquids	<p>It is recommended the use of potable water to remove airborne hydrophilic particulate matter from air.</p> <p>To remove airborne biological agents from air and surfaces, COUNTERFOG EBT DE LA UAH S.L. recommends the use of non-flammable disinfectants compatible with AISI 316L steel, Teflon, NBR and PVC-.</p> <ul style="list-style-type: none"> • <i>E.g. sodium hypochlorite diluted in water (bleach) at a concentration less than 0.5%.</i> <p>Counterfog is not responsible for the use of other disinfectants not compatible with AISI 316L steel, Teflon, NBR and PVC-.</p>

It is strictly forbidden to use flammable liquids that can produce explosive atmospheres in areas that are not classified with the corresponding ATEX index (DIRECTIVE 94/9/CE -ATEX 137-) or mixing liquids if manufacturers do not recommend.

Main components



- 1 – Compressor
- 2 – Pressure tank
- 3 - Filling
- 4 - Check valve
- 5 - Quick connector
- 6 - Coaxial hose

7 - Counterfog® MPM Nozzle for massive nanometric fog generation

Power requirements

**120 V/60 Hz (USA model)
 230 V/50Hz (Europe model)**

Engine Power

1100 W

Maximum casing dimensions

**Φ16 cm x 36 cm (device)
 39 cm x 39 cm x 12 cm (compressor)**

Noise level

92 dB (1 m)

Working pressure

7.5 bar

Maximum allowable pressure

8 bar

Maximum allowable temperature	45 °C 113 °F
Minimum allowable temperature	3 °C 37.4 °F
Tank capacity	0.3 L 0.079 gallons (US)
Main material	Polyvinyl chloride (PVC)
Total (empty) weight	3.2 kg (Pressure kit) 5 kg (Compressor)
Air flow	34.97 L/min
Liquid flow	0.05 L/min
Air flow drawn by the fog cone	0.024 m³/s
Recommended distance of use	25 - 35 cm
Operating time	6 min