Counterfog

COUNTERFOG® PILAR 1.0

TECHNICAL DATA MARCH 2022

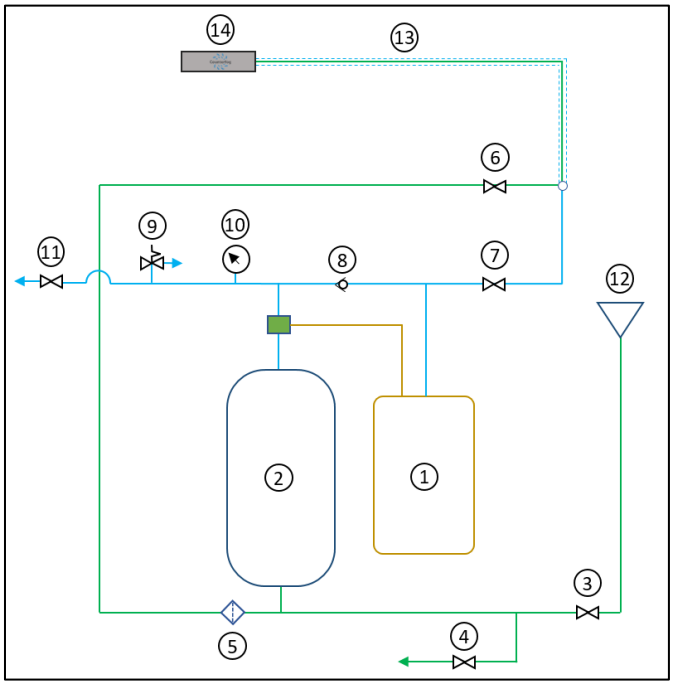
COUNTERFOG® EBT DE LA UAH SL
Av. De Europa 82. Valdemoro, Madrid (Spain). info@counterfog.eu
www.counterfog.eu

COUNTERFOG® PILAR 1.0

TECHNICAL INFORMATION

Model	**COUNTERFOG® PILAR 1.0**
Image	
Classification	**PRESSURE EQUIPMENT**
Category	**II**
Description	COUNTERFOG® PILAR is a fog-generating device for the rapid disinfection of buildings, indoor facilities, offices, vehicles, goods or objects. 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. 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. COUNTERFOG® PILAR can be used with any non-flammable liquid disinfectant depending on the purpose of each operation.
Intended use	Counterfog® PILAR can be used for decontamination, disinfection and sanitization of buildings, indoor facilities, offices, vehicles, goods or objects.
Fluid group	**1 and 2 (DIRECTIVE 2014/68/UE)**

COUNTERFOG® EBT DE LA UAH SL
Av. De Europa 82. Valdemoro, Madrid (Spain). info@counterfog.eu
www.counterfog.eu

Suitable liquids	It is recommended the use of potable water to remove airborne hydrophilic particulate matter from air. 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, and NBR-** • *E.g. sodium hypochlorite diluted in water (bleach) at a concentration less than 0.5%.* Counterfog is not responsible for the use of other disinfectants not compatible with AISI 316L steel, Teflon and NBR-. 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 – "FILL" (Filling valve) 4 - "EMPTY" (Drain valve) 5 - Filter 6 - "LIQUID" (Liquid valve) 7 - "AIR" (Air valve) 8 - Check valve 9 – Safety valve 10 - Pressure gauge 11 - "VENT" (Vent valve) 12 – Filling 13 - Coaxial hose

	14 - Counterfog® MPM Nozzle for massive nanometric fog generation
Certification	**CE**
Power requirements	**120 V/60 Hz (USA model)** **230 V/50Hz (Europe model)**
Engine Power	**750 W**
Maximum casing dimensions	**95x40x54cm**
Noise level	**92 dB (1m)**
Working pressure	**10 bar**
Maximum allowable pressure	**12 bar**
Maximum working pressure	**11 bar**
Maximum allowable temperature	**50 ^{0}C** 122 ^{0}F
Minimum allowable temperature	**3 ^{0}C** 37.4 ^{0}F
Tank capacity	**3.9 L**
Tank material	**AISI 316L Stainless Steel**
Total (empty) weight	**34.5 kg**
Air flow	**44.93 L/min**
Liquid flow	**0.15 L/min**

COUNTERFOG® EBT DE LA UAH SL
Av. De Europa 82. Valdemoro, Madrid (Spain). info@counterfog.eu
www.counterfog.eu

Air flow drawn by the fog cone	**0.025 m^3/s**
Recommended distance of use	**30 - 40 cm**

COUNTERFOG® EBT DE LA UAH SL
Av. De Europa 82. Valdemoro, Madrid (Spain). info@counterfog.eu
www.counterfog.eu