



Disinfection Cart

The Water Disinfection Cart is designed for easy and comfortable sterilizing of the A/C's potable water system. The Water Disinfection Cart doses a disinfectant to potable water from the airport local public supply and it fills up the A/C potable water tanks with the automatically prepared mixture.

The problem:

Dangerous microbes and bacteria are growing over time in many parts of the water systems, especially in valves and in tanks. If not confined, this contamination may cause serious sickness among passengers and crew. Therefore, A/C water tanks must be disinfected on a regular basis. Preparation of the right concentration of the disinfectant solution is very time consuming and not always safe for the operating staff. Commonly used disinfectants are very hazardous (self-igniting, acid, corrosive).

The solution:

With the Water Disinfection Cart, the disinfection solution is prepared and dosed automatically, which is far safer and operator-friendly. The pre-set required dosage of concentrate is always correct, regardless of variations in flow or pressure of the main water supply. The Water Disinfection Cart allows not only to quickly fill up the water system with disinfectant, but also to flush the system with clean water and prepare it for normal use. All component parts (e.g. tubes and hoses) of the disinfection unit are made of very durable, long-life and rust-proof materials, also resistant against the disinfectant.



Customer advantages

- No time consuming manual preparation of disinfection solution
- Safe automatic dosage of disinfection solution
- Precise dosage of disinfection solution
- Quick filling of water tanks with disinfectant
- Semi-automatrical control of sterilizing process
- Savings from using inexpensive hydrogen peroxide as sterilizing medium
- Transportation dolly assures utmost mobility, speed and comfort
- Applicable on every type of A/C

Technical data

Max. flow rate	5 m ³ /h / 22 gal/min
Min. flow rate	200 - 700 l/h 0.88 - 3.1 gal/min (depending on dosing range)
Min. operation temperature	5°C / 41°F
Max. operation temperature	40°C / 104°F
Max. operation pressure	10 bar / 147 psi
Nominal dosing rate	Infinitely variable setting 0.025 - 0.4 l/m ³ = 0.0025 - 0.04% or 1 - 2.5 l/m ³ = 0.1 - 0.25% or 1 - 5 l/m ³ = 0.1 - 0.5% or 2 - 7.5 l/m ³ = 0.2 - 0.75% or 3 - 10 l/m ³ = 0.3 - 1%
Water hose length	40 m
Sterilizing medium	Budget friendly hydrogen peroxide
Protection against very high external water pressure	By a pressure reducer and needle valve
Protection against pack pressure	System cutter that separates the fresh water supply
Protection against water tank contamination	Filter element (100 micron mesh width)
Protection against over dosing with disinfectant	Limitation to max. 3x over dosing in the worst case

Contact

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