

HRACR TREATMENT OF CONTAMINATED WATER

HYDROS BQ

NATO STOCK NUMBER: TO CONSULT



DESCRIPTION

CBRN decontamination operations generate a large amount of contaminated water (degraded from chemical and biological agents, radiological agents and the decontaminating agents themselves).

HRACR system allows the treatment of contaminated waste water On Site, this means a double benefit, on the one hand, it is not necessary to store contaminated water and its subsequent transfer to the reference center for treatment (only filters Contaminated). On the other hand, on site water treatment allows the use of this recycled water in the decontamination processes, which increases the autonomy of decontamination deployment.

HRACR system water treatment equipment is based on filtration system using nanometer filtering technology and ultraviolet light sterilization.

Thanks to its Plug & Play system, the deployment in the operating area is quick and easy. To this end, the versatility of using the water purifier with four power sources can be added: Solar power, mains electricity (110/220 VAC), batteries Vehicles (12/24 VDC) and auxiliary internal LiFeO_4 battery.

Filtration technology does not require use of chemicals in the water treatment process. So it provides a double benefit in terms of sustainability and lower Total Cost of Ownership.

DIMENSIONS

Width	Length	Height	Weight
676 mm	1.008 mm	600 mm	62 Kg

BENEFITS

- Waste contaminated water treatment On Site
- Maximum performance: up to 1.000 l/h
- Reduce quantity of storage water to be transport on decontamination zone
- Eliminate need of waste contaminated water transport to reference headquarter
- Lower Total Cost of Ownership

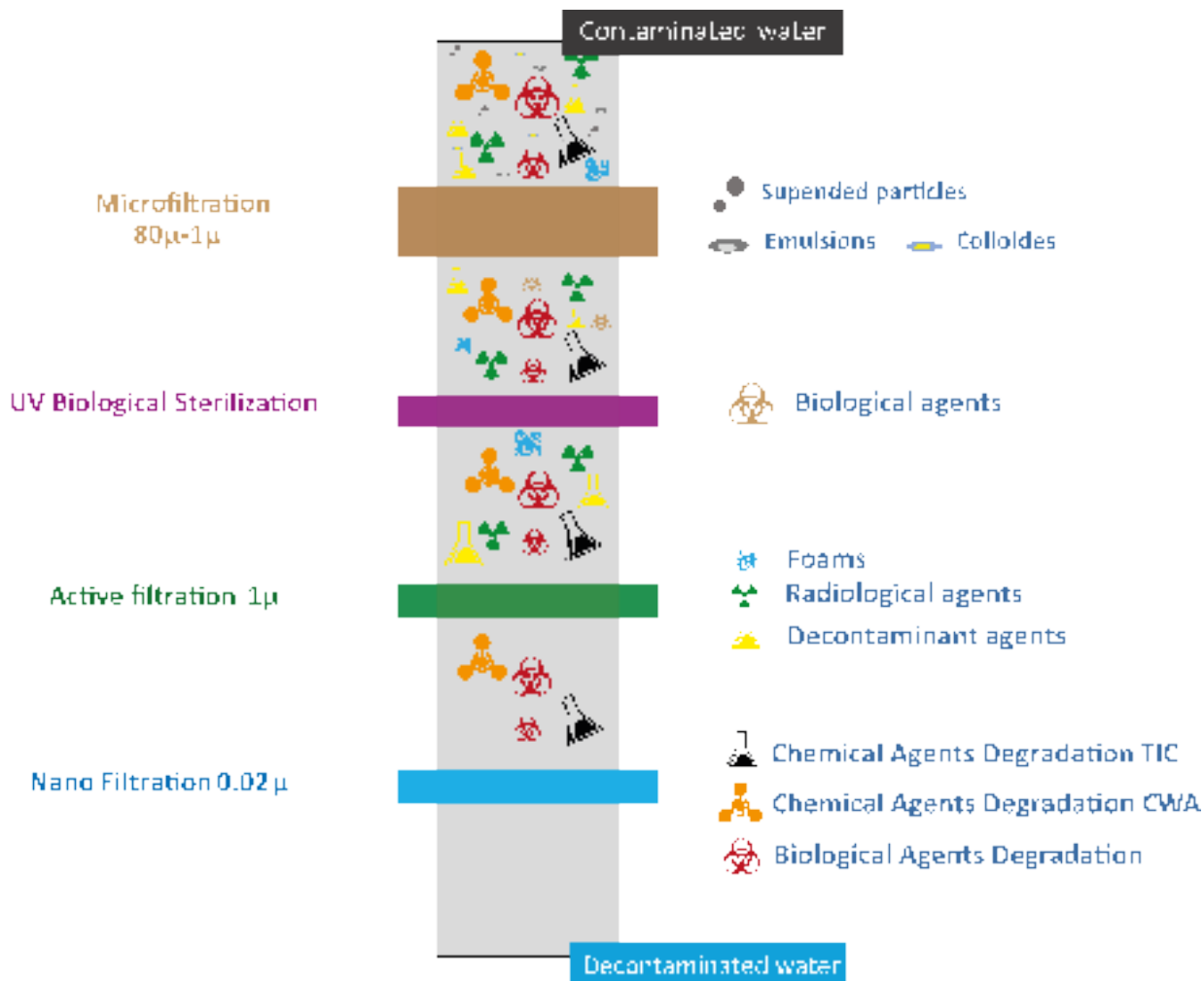


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WATER TREATMENT PROCESS

HRACR system is based on a filtration system, using nano filtering technology and ultraviolet light sterilization. Water treatment process is a 5-phase process as follows:



The result of the water treatment on site procedure is on the one hand uncontaminated water that can be continuously reused in the decontamination process and, on the other hand, the contaminated filters (with radiological, chemical and biological agents) that must be transported to the Center of reference for its management and treatment.

