

Hydronion Self-Supporting Tank

The Hydronion Self-Supporting Tank is a rapid-deployment, open-top water reservoir designed for firefighting, emergency water supply and crisis-response operations.

Its self-supporting flexible construction requires no permanent anchoring and no additional support frame, allowing the tank to be deployed quickly by simply unfolding and filling it with water. The open design supports fast filling and discharge, while the operational height in the filled state makes it suitable for efficient servicing of suspended helicopter fire buckets during wildfire and remote-area operations. Manufactured from durable PVC technical fabric and joined in critical areas by **high-frequency (HF) welding**, the tank is engineered for reliable performance in demanding field conditions. The material is protected with a special varnish that improves resistance to **UV radiation**, helping to extend service life during prolonged outdoor use. The unit is fitted with **two flanged DN100 connections with Storz 110 couplings**, enabling simultaneous filling and water discharge by multiple units. An integrated floating cushion also allows convenient top suction without significant water loss. **The tank is approved for professional use and holds CNBOP approval certificate no. 5753/2025.**

KEY FEATURES

- Self-supporting open-top design with no additional support structure required
- Rapid deployment by unfolding and filling with water
- Suitable for servicing helicopter fire buckets in field operations
- Dual **DN100 / Storz 110** connections for simultaneous filling and discharge
- Integrated floating cushion for convenient top water suction
- PVC fabric protected with **UV-resistant varnish** for extended outdoor durability
- **High-frequency welded joints** for dependable structural integrity
- **CNBOP approval certificate no. 5753/2025**
- Available in standard capacities from **5 m³ to 25 m³**
- **Custom tank sizes** available on request.



PRIMARY APPLICATIONS

Wildfire support • Helicopter bucket servicing • Temporary firefighting water storage • Emergency water supply • Crisis-response operations • Remote-area fire suppression • Civil protection and resilience planning

COMPLIANCE & CERTIFICATION

CNBOP approval certificate no. 5753/2025

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TECHNICAL DATA

Specification	Value
Product Type	Open, self-supporting flexible water tank
Category	Fire Equipment
Product Line	Rapid-Deployment Self-Supporting Tanks
Tank Design	Open-top, self-supporting, flexible construction
Support Structure	Not required
Ground Anchorage	Not required
Main Material	PVC technical fabric
Joint Technology	High-frequency (HF) welding
UV Protection	Special protective varnish for improved UV resistance
Water Connections	2 × flanged connections
Coupling Type	Storz 110
Nominal Connection Size	DN100
Top Suction Option	Yes, via integrated floating cushion
Certification	CNBOP approval certificate no. 5753/2025
Standard Capacities	5 m ³ • 8 m ³ • 10 m ³ • 15 m ³ • 25 m ³
Custom Sizes	Available on request
Warranty	5 years
Country of Manufacture	Poland

PRODUCT-MARKET INSIGHT

The Hydronion Self-Supporting Tank addresses the operational need for fast, mobile and infrastructure-independent water storage in firefighting environments. Its self-supporting geometry, dual-connection layout and helicopter-support functionality position it as a practical solution for fire services, civil protection units and emergency-response organisations requiring dependable water access in challenging terrain.

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CAPACITY VARIANTS

Capacity	Filled Dimensions (L × W × H)	FMRS Reference Name
5 m³	2.90 × 2.45 × 1.10 m	Hydronion Self-Supporting Tank 5 m³
8 m³	2.90 × 2.00 × 1.40 m	Hydronion Self-Supporting Tank 8 m³
10 m³	3.90 × 2.40 × 1.35 m	Hydronion Self-Supporting Tank 10 m³
15 m³	3.90 × 3.00 × 1.45 m	Hydronion Self-Supporting Tank 15 m³
25 m³	5.00 × 4.20 × 1.45 m	Hydronion Self-Supporting Tank 25 m³

