

Fire Protection Pillow Tank

Fire Protection Pillow Tanks are flexible water storage systems designed to provide a reliable and compliant water reserve for firefighting applications. Manufactured from high-strength technical fabric with PVC coating, these tanks offer a durable and mobile alternative to traditional fixed installations.

Designed in accordance with fire protection requirements, the system supports compliance with PN-B-02857:2017-04 standards and is approved for firefighting use with CNBOP certification. The tanks can operate year-round, including in harsh winter conditions, supported by an integrated heating system that prevents water from freezing. Their lightweight, foldable construction allows rapid deployment without permanent ground connection or complex construction works, making them suitable for both permanent and temporary fire protection infrastructure.

KEY FEATURES

- **Designed in accordance with PN-B-02857:2017-04** – meets requirements for fire water storage systems
- **Integrated heating system with temperature sensors** – protects stored water against freezing in winter conditions
- **Resistant to low temperatures down to -30°C** – suitable for year-round outdoor operation
- **Durable PVC-coated technical fabric (1300 g/m²)** – provides resistance to mechanical damage and long-term outdoor exposure
- **UV-protected material surface** – extends service life during continuous sun exposure
- **No permanent construction required** – installation possible on a prepared flat surface (e.g. sand bedding)
- **Fast deployment (approx. 30 minutes)** – simple unfolding and connection process
- **Flexible and mobile structure** – can be folded, transported, and reused in different locations
- **Manufactured using HF welding technology** – ensures strong and durable seams in critical areas

COMPLIANCE & CERTIFICATION

- CNBOP Certificate of Approval No. 4983/2023
- Designed in accordance with PN-B-02857:2017-04 (Fire protection water tanks – general requirements)
- Developed in cooperation with fire protection authorities, including SGSP (Main School of Fire Service, Warsaw)



TECHNICAL DATA

Specification	Value
Product Type	Flexible fire water storage tank (pillow type)
Material	Polyester fabric coated with PVC
Fabric Weight	1300 g/m ²
Manufacturing Technology	High-frequency (HF) welding
Temperature Resistance	Down to -30°C
UV Resistance	Yes (protective coating)
Installation Time	Approx. 30 minutes
Foundation Requirement	Flat, level surface (e.g. sand bedding)
Mobility	Fully foldable and transportable
Heating System	Electric heating mats with sensors
Certification	CNBOP approval No. 4983/2023
Compliance Standard	PN-B-02857:2017-04
Available Capacities	50 m ³ – 300 m ³ (standard sizes)
Custom Sizes	Available (on request)
Warranty	2 years (extendable up to 10 years with inspections)

PRIMARY APPLICATIONS

Industrial facilities • Warehouses • Logistics centres • Temporary fire protection systems
Construction sites • Backup water storage during infrastructure maintenance • Areas with limited water supply • Drought-prone region

PRODUCT-MARKET INSIGHT

Flexible fire protection tanks represent a cost-effective and rapidly deployable alternative to traditional concrete or steel reservoirs. Their mobility, minimal installation requirements, and year-round usability make them particularly attractive for industrial and logistics sectors requiring compliant fire water reserves without infrastructure-heavy investments.