

Stormwater Retention Pillow Tank

The Stormwater Retention Pillow Tank Waterbase R is a flexible and mobile solution designed for the collection and temporary or long term storage of rainwater, industrial water, contaminated water and wastewater. Manufactured from a multi layer technical fabric coated with PVC, the tank provides high durability, resistance to UV radiation and reliable performance in varying environmental conditions.

Its pillow type structure enables rapid deployment without the need for construction works or permanent ground connection. The system supports effective water management by enabling controlled retention, reducing the risk of local flooding and supporting water reuse strategies. Designed for industrial scale retention, the tank combines structural strength with operational simplicity, making it suitable for both planned installations and rapid response scenarios.

KEY FEATURES

- **Designed specifically for stormwater retention** - enables temporary or long-term storage of rainwater, industrial water, and wastewater
- **Does not require building permits or water law approval** - not classified as a water structure
- **No construction works required** - installation possible on flat surfaces such as grass, concrete, or sand
- **Ready for operation within 30 minutes** - simple unfolding and connection process
- **Manufactured from multi-layer PVC coated fabric** - reinforced with polyester mesh for high strength
- **Resistant to UV radiation and environmental conditions** - suitable for continuous outdoor use
- **High frequency welded seams** - ensure durable and leak-tight connections
- **Operates in temperatures down to minus 30°C** - suitable for demanding climates
- **Equipped with DN80 filling and DN50 discharge connections** - includes valve, vent, and inspection opening
- **Includes reinforced corners and anchoring points** - improves stability and durability in critical areas
- **Lightweight and flexible construction** - allows easy transport and repositioning
- **Available in customized dimensions** - adaptable to specific site requirements
- **Covered by a 10-year tightness warranty** - ensuring long-term reliability
- **Suitable** for both commercial and residential applications



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TECHNICAL DATA

Specification	Value
Product Type	Flexible stormwater retention pillow tank
Model	Waterbase R
Material	Multi layer technical fabric with PVC coating and polyester mesh
Capacity Range	10 m³ to 250 m³ (standard models)
Installation Time	Up to 30 minutes
Installation Surface	Flat and level ground surface
Temperature Resistance	Down to minus 30°C
UV Resistance	Yes protected by special coating
Filling Connection	DN80 flange with 90° elbow and Storz 75 coupling
Discharge Connection	DN50 with valve 2 inch and Storz 52 coupling
Venting System	Air vent with overflow protection
Inspection Opening	Flange approximately 146 mm with cap
Additional Connections	Available on request
Construction	High frequency welded seams
Warranty	10 years

PRIMARY APPLICATIONS

Stormwater retention • Industrial water storage • Wastewater storage • Flood prevention • Water management systems • Agriculture and environmental protection

PRODUCT-MARKET INSIGHT

Stormwater Retention Pillow Tank provides a compliant and practical alternative to traditional retention infrastructure by eliminating construction requirements while maintaining high durability. Its mobility and rapid deployment capability make it particularly suitable for industrial users and regions affected by increasing climate variability.

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CAPACITY VARIANTS

Capacity	Dimensions (L × W)	Max Height	Weight
10 m³	6.50 × 2.90 m	0.8 m	63 kg
15 m³	5.90 × 4.45 m	0.8 m	83 kg
25 m³	6.00 × 5.90 m	1.0 m	107 kg
50 m³	10.00 × 5.90 m	1.1 m	171 kg
75 m³	9.20 × 8.90 m	1.2 m	232 kg
100 m³	11.20 × 8.90 m	1.2 m	280 kg
150 m³	11.80 × 11.80 m	1.4 m	387 kg
200 m³	15.10 × 11.80 m	1.4 m	491 kg
250 m³	18.50 × 11.80 m	1.4 m	599 kg

STANDARD EQUIPMENT (ALL MODELS)

- Filling connection DN80 with 3 inch threaded flange elbow and Storz coupling
- Discharge connection DN50 with 2 inch valve and Storz 52 coupling
- Air vent 2 inch with pressure regulation and overflow protection
- Inspection opening with flange approximately 146 mm and cap
- Anchoring handles for stabilisation