

Datasheet



Water Hammer Tank

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Equipment Description

The PTH-WHP series membrane expansion and Anti Water Hammer tanks, manufactured by Ptech, are high-durability pressure vessels designed for use in hot and cold domestic water circuits, pressurization systems, heating installations, and cooling cycles.

Thanks to their replaceable rubber membrane and PP protective cap, water is prevented from contacting the metal body, minimizing corrosion and increasing overall system reliability. The tanks can operate at pressures up to 16 bar and within a temperature range of $-10/+100$ °C. Optional connection components and a tie-rod help stabilize the membrane position, contributing to extended service life.

Their high-quality epoxy exterior coating provides exceptional resistance to oxidation. With capacities ranging from 8 to 2000 liters, they offer versatile solutions suitable for a wide variety of applications.

Use

It is suitable for use in hot and cold domestic water circuits, pressurization (booster) systems, closed-loop heating installations, and industrial cooling cycles. Within these applications, it stabilizes hydraulic pressure fluctuations, compensates for volumetric expansion, and minimizes water hammer effects. This helps protect system components such as pumps, heat exchangers, piping networks, and valves, thereby increasing overall operational efficiency and extending equipment service life.

Features

- High-strength anti-water hammer tank design, suitable for operating pressures up to 16 bar.
- Replaceable elastomer diaphragm with PP protection, preventing water-metal contact and minimizing corrosion.
- Optional tie-rod system stabilizes diaphragm positioning, reducing deformation and extending service life.
- Modular design offering customizable connection, coating, and configuration options according to application requirements.
- Durable epoxy exterior coating providing enhanced corrosion resistance and an aesthetic finish.
- Multi-stage quality control and testing procedures applied throughout the production process to ensure reliable performance.
- Manufactured in Germany.



Ptech

ENERGY - WATER - SEWAGE TREATMENT TECHNOLOGY

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