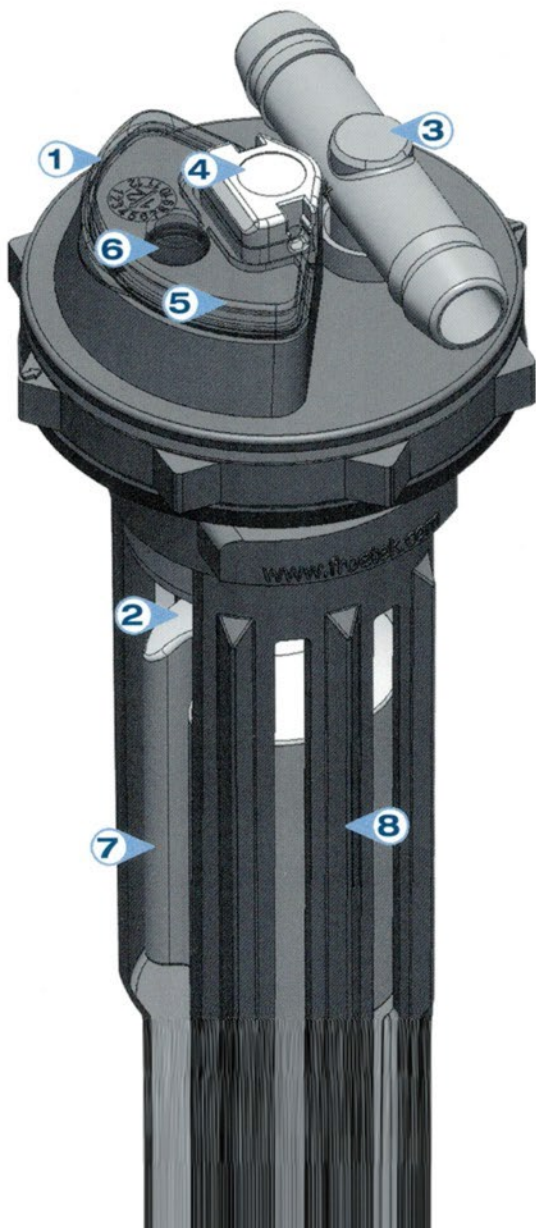




Low Profile Battery Watering System

FROETEK Aqua Low Profile Battery Watering System is a newly developed single-point watering system with an ultra low profile design and several new benefits. The new FROETEK system is characterized by a high reliability to fill water in industrial forklift batteries. This system is easy to use and can be installed quickly on most common batteries in the market. The FROETEK Low Profile System is a float based system using the hydrodynamic and hydrostatic forces of water.



<p>1</p> <p>DEGASSING <i>with internal aerosol separator</i></p>	<p>The FROETEK Low Profile valve uses separate chambers for water and gas movement. It also uses an internal aerosol separator to promote condensation inside of the degassing chamber and to avoid aerosol emission. This special feature allows cleaner battery tops.</p>
<p>2</p> <p>INTERNAL WATER LOCK</p>	<p>The extra internal water lock prevents gases from entering the tubing system and migrating between cells.</p>
<p>3</p> <p>SWIVEL T-PIECE <i>enables easy tube assembly</i></p>	<p>Also allows for easy movement and quicker, more flexible tube routing.</p>
<p>4</p> <p>POSITION INDICATOR <i>viewable from top and side</i></p>	<p>Easy sight lines allow quick reference of water levels.</p>
<p>5</p> <p>SEALED FLIP TOP</p>	<p>Covers and protects diagnosis opening</p>
<p>6</p> <p>DIAGNOSIS OPENING <i>check specific gravity levels with ease</i></p>	<p>Provides quick access.</p>
<p>7</p> <p>SOLID FOAMED FLOAT <i>without any possibility of leakage and sinking</i></p>	<ul style="list-style-type: none"> • No possibility of leakage or sinking; cannot absorb water. • Cut-out area in float for optimal hydrometer access. • Acid, temperature and impact resistant.
<p>8</p> <p>FLOAT GUARD <i>protects the float system from damage</i></p>	<p>The Float Guard protects the float system from damage during installation and shipping. Float guards for S35, R24, quarter turn and M27 cell connections available.</p>

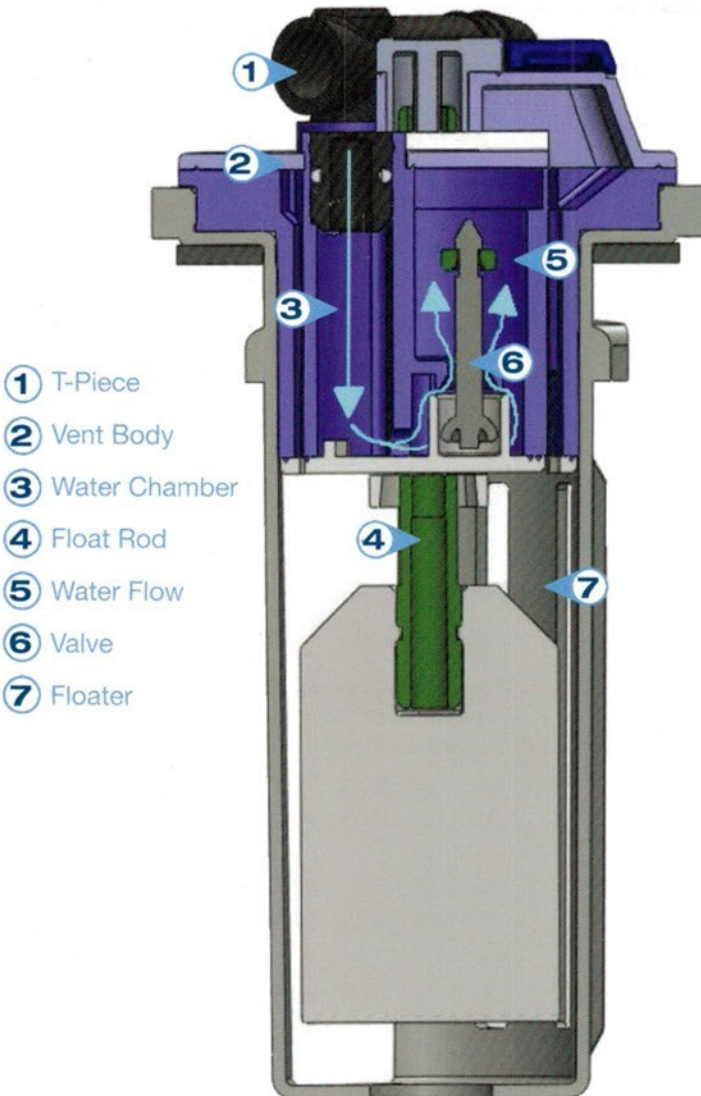
FROETEK Low Profile In Use

The water flows through the T-piece and the vent body into the water chamber. While the chamber itself remains full of water, gases are prevented from entering the tubing system and migrating between battery cells.

The water flows from the water chamber to the valve. After passing the valve the water enters the battery cell.

When the electrolyte level rises, it raises the float, float rod and finally the valve.

The rising float moves the valve, which closes and shuts the water flow. The force required to move the valve from open position to closed position is a result from the hydrodynamic energy.



Flat design 0.76" (18.5 mm)

- Reduces the risk of damage by battery cables.

Polycarbonate body

- Higher resistance against impact and temperature than polypropylene.

Inlying floater rod guide

- Higher protection against pollution and more function reliability.
- Small contact surface between rod and guide to minimize risk of blocking.

Adjustable plug position

- Plug position is easily adjustable with a swivel vent insert.
- In combination with the swivel t-piece, tube routing gets easier and faster.

Tubing

- FROETEK uses TPE tubing for clampless and fast tubing installation.
- Reduce your installation time and increase profits.

Functional simplicity

- Only 7 functional parts and only 2 movable parts to minimize risk of blocking by sticky contaminants.
- Pressurized parts are always welded together, not just clipped!
- High resistance against vapor and pressurized water by welded polycarbonate parts.
- High function reliability by a permanent flushing vent system.
- FROETEK assures 100% production control of the valve function.