



Halcyon Assembly™



HALCYON

HalcyonTankAssembly.com

Required interior ancillary equipment on all fire water tanks under National Fire Protection Association (NFPA-22) Standards.

Halcyon Assembly™ (Vortex Inhibitor or Plate) help to decrease the speed of a fast-moving fluid and smooth it into a laminar flow instead of a turbulent flow, thus reducing wear and tear. These plates also help prevent cavitation (small liquid-free zones such as bubbles or voids) in the fluid. Cavitation can create dents, shock waves and imbalance in the moving parts. Once cavitation affects a surface it tends to erode at an accelerating rate. This makes the surface prone to stress corrosion. Manufactured in stainless steel, PE100, and powder coated:

Main advantages/outstanding properties of PE100:

- > UV-resistance
- > Flexibility
- > Favorable transportation: strong like steel but much lighter (low specific weight of app. 0,96g/cm³)
- > Very good chemical resistance
- > Weathering resistance
- > Good weld-ability
- > Very good abrasion resistance
- > No deposits and no overgrowth possible: resistant to all kinds of microbe corrosion
- > Freeze resistance
- > Resistant to rodents

