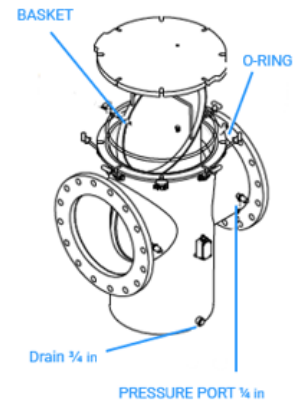


Strainer Written Specification

The Aquify SMART line of fiberglass strainers is designed for maximum performance and particle separation to prolong the life of any aquatic system. Unique to the Aquify SMART Strainer, integrated sensors detect when the basket is full or clogged and can automate preventative actions to prevent system damage.

The Aquify Strainer offers an advanced solution to the common challenges faced by traditional basket strainers, particularly in maintaining system efficiency and reducing operational downtime. Designed to retain the familiar operation of basket strainers, it enhances key aspects such as build quality, sealing, and ease of maintenance.



Scope

- 1.1. This specification covers requirements for fiberglass strainers for use in piping systems where corrosion resistance and higher pressures and/or temperatures are required.
2. Design
 - 2.1. Straight or eccentric type, integral, and flanged pipe connections with a hand removable acrylic cover, secured with stainless steel 304L hardware and a plastic washer.
 - 2.2. The acrylic cover shall be self-sealing with a Viton "O"-ring.
 - 2.3. A stainless steel 316L strainer basket shall be included with 1/4in perforations with an open area of 61%.
 - 2.4. Load rated for 25 psi at 135°F.
 - 2.5. Flanges are flat faced and sized according to PS-15-69 with ASME Class 150 drilling pattern.
 - 2.6. Strainers will include a 3/4in NPT drain with plug.
3. Construction
 - 3.1. All strainers are made with multilayer filament wound fiberglass laminate with UV inhibitors.
 - 3.2. Exterior is coated with an epoxy resin to provide an additional layer of protection.

