



**SPECIFICATION FOR AQUATIC SERIES
STAINLESS STEEL STRAINERS**

1.) SCOPE

THIS SPECIFICATIONS COVERS REQUIREMENTS FOR STAINLESS STEEL STRAINERS, WYE AND BASKET TYPES INTENDED FOR USE IN AQUATIC PIPING SYSTEMS WHERE MAXIMUM RESISTANCE TO CORROSION, PRESSURE AND TEMPERATURE IS REQUIRED.

2.) STRAINER DESIGN

- 2.1 Strainer shall be flanged basket (or wye) type.
- 2.2 Body configuration shall be 1. in-line, 2. offset, 3. angled in-line (select one)
- 2.3 Basket shall be 304 SS, Perforations 1/8" on 3/16" ctrs. (or as required)
- 2.4 Minimum area ratio of pipe to basket shall be 10 to 1.
- 2.5 All strainers shall be furnished with minimum 1/2" threaded drain, two 1/4" pressure taps and one 1-1/2" vacuum port.
- 2.6 Cover shall be clear acrylic- minimum 1" thick with 1/2" vent tap- gasket material EPDM. Closure shall be stainless steel "tee handle" design.
- 2.7 Strainer shall be rated for 50 psi (NON SURGE LOAD) at 75 deg. F. Will be hydrostatically tested to 1-1/2 times design pressure.
- 2.8 Vendor shall supply min 5 years service history of applications in similar service.
- 2.9 Strainers shall be as manufactured by Fluidtrol Process Technologies, Inc.

3.)CONSTRUCTION

- 3.1 Strainer body shall be SCH 10 304 SS.
- 3.2 Cover closure shall be stainless steel "tee handle" design machined from solid rod stock.
- 3.3 Flanges shall be 150# Van Stone- 304 SS Stub ends and 304 SS back-up rings.

4.0) STANDARDS

4.1 All products/materials/welding shall conform to or exceed the specifications as set forth in the following standards:

AWSD1.1 AWS D1.3 ASME B31.4 ASME B31.9