



## 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      AWSD1.3      ASME B31.4      ASME B31.9