



**SPECIFICATION FOR FIBERGLASS REINFORCED PLASTIC (FRP) FRP/PVC  
STRAINERS- Series SW, RSW, SWM and RSWM**

1.) SCOPE

THIS SPECIFICATIONS COVERS REQUIREMENTS FOR SIMPLEX FRP/PVC BASKET STRAINERS 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 type. 1/2" TO 24"
- 2.2 Body configuration shall be 1. in-line, 2. offset, 3. angled offset, 4. boot. ( select one)
- 2.3 Basket shall be 304 SS, Perforations 1/8" on 3/16" staggered centers or as required. Basket shall be heavy duty- consisting of 12 gauge basket flanges and a minimum of 18 gauge perforated stainless.
- 2.4 Minimum area ratio of pipe to basket shall be 10 to 1.
- 2.5 Cover shall be CLEAR ACRYLIC, minimum 1" thick with 1/2" threaded vent tap and cover closure shall "tee" handle design. Flat Gasket to be provided made of EPDM.
- 2.6 Strainer shall be rated for 50 PSI (NON-SURGE LOAD) at 75 deg. F
- 2.7 Vendor shall supply min 5 years service history of applications in similar service.
- 2.8 Strainers shall be as manufactured by Fluidtrol Process Technologies, Inc.

3.)CONSTRUCTION

- 3.1 Strainer body shall be of dual laminate construction: PVC with FRP over-wrap.
- 3.2 Strainer body shall be schedule 40 PVC minimum, solvent fused and back-welded prior to FRP over-wrap. All joints to be spark tested.
- 3.3 All flanges to ANSI 150 # Van Stone Type.
- 3.4 Exterior protection is unsaturated polyester resin based high quality gel coat- 10 mils min.
- 3.5 "Tee" handle lid coupling hardware shall be machined from solid bar stock- 304 SS.

4.0) STANDARDS

- 4.1 Pressure Drop Chart will be provided upon request.
- 4.2 All products shall conform to or exceed the specifications as set forth in the following standards.

Cell Class 23447-B as in ASTM D-1784, F-441, F-437, F-493, ANSI B 16.5 cl 150