

**SPECIFICATION FOR FIBERGLASS REINFORCED PLASTIC *PVC/ FRP STRAINERS***

**1.) SCOPE**

THIS SPECIFICATION COVERS REQUIREMENTS FOR SIMPLEX FRP/PVC STRAINERS, WYE AND BASKET TYPES INTENDED FOR USE IN CHEMICAL 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 offset, 4. boot. ( select one)
- 2.3 Basket shall be PVC, Perforations 1/8” on 3/16” centers- or as specified.
- 2.4 Minimum area ratio of pipe to basket shall be 10 to 1.
- 2.5 Cover shall be PVC with 1/2” vent tap.
- 2.6 Strainer shall be rated for 100 psi at 75 deg. F
- 2.7 Strainer design shall conform to ASME code for non-metallic pressure vessels.
- 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 of dual laminate construction: PVC with FRP over-wrap.
- 3.2 Shall be schedule 80/40, 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.

**4.0) STANDARDS**

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

Cell Class 12454-B as in ASTM D-1784, ASTM-D-1785, ASTM-D-2467, ASTM D-2464, ANSI B 16.5 cl 150

GS PVC/FRP Strainer Dimensions For Inline Configuration			
Strainer Size	A	B	C
2”	11”	10.5”	18.5”
3”	11”	10.5”	18.5”
4”	13.75”	11.625”	21.25”
6”	18”	16”	26.5”
8”	20”	21.5”	34.5”
10”	22”	23”	37.5”
12”	27.5”	31.626”	46.75”
14”	35”	32.5”	49”

