

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

1.) SCOPE

THIS SPECIFICATION COVERS REQUIREMENTS FOR SIMPLEX FRP/PVDF 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 PVDF, 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 PVDF with 1/2” vent tap.
- 2.6 Strainer shall be rated for 85 psi at 190 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: PN10 RATING with FRP over-wrap.
- 3.2 Strainer body shall be machine 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 TYPE II as in ASTM D-3222, and ASTM-D-1785, ASTM-D-2467, ASTM-D-2464, ANSI B 16.5 cl 150 where applicable.

GS PVDF/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”

