

SPECIFICATION FOR FIBERGLASS REINFORCED PLASTIC *POLYPROPYLENE/FRP STRAINERS*

1.) SCOPE

THIS SPECIFICATION COVERS REQUIREMENTS FOR SIMPLEX FRP/PP 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 polypropylene, Perforations 1/4” on 3/8” centers or as specified.
- 2.4 Minimum area ratio of pipe to basket shall be 10 to 1.
- 2.5 Cover shall be PP 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: PP with FRP over-wrap.
- 3.2 Strainer body shall be schedule 80 or equivalent , heat 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 All welding to be performed by craftsman qualified and certified to ASTM C-1147

4.0) STANDARDS

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

Cell Class PP0110-A2-1510 /ASTM D4101, Cell Class PP0110-M30-A10120 ASTM-2467 & ASTM -2657

GS PP/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”

