

# FRP Strainers - P-Series

## Specification for Fiberglass Reinforced Plastic P-Series Strainers

### 1.) SCOPE

THIS SPECIFICATION COVERS REQUIREMENTS FOR FRP STRAINERS. Y TYPE, BASKET TYPE AND DUPLEX TYPES ARE 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 Y) 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 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" flanged drain.
- 2.6 Cover shall be FRP with optional 1/2" vent tap.
- 2.7 Flanges shall be contact molded.
- 2.8 Strainer shall be rated for 150 psi at 180 deg. F
- 2.8 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.

### 3.) CONSTRUCTION

- 3.1 Strainer body shall be of filament wound construction, for sizes 12" and lower. Larger sizes may be hand lay up construction in accordance with PS-15-669.
- 3.2 Resin shall be Vinyl Ester. Derakane 411 or Hetron 922, or equal.
- 3.3 Body shall contain a chemical barrier, 10 mils nexus, 90 % resin, 10% reinforcement
- 3.4 Anti-wicking barrier, 100 mils chopped strand glass, 70% resin to 30% glass shall be provided.
- 3.5 Structural layer shall be filament wound continuous roving, 30% resin to 70% glass.
- 3.4 Exterior protection is unsaturated polyester resin based high quality gel coat- 10 mils min.

### 4.) STANDARDS

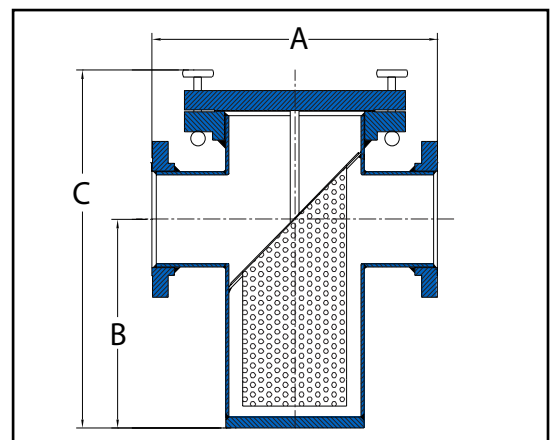
- 4.1 All products shall conform to or exceed the specifications as set forth in the following standards.

RTP-1/Sec X      ASTM B31.3/Sec 15      BS1 BS 6464      GSB 41-GP-22

#### Notes:

- Larger sizes available
- Manufacturer reserves the right to modify dimensions, materials, or design. Consult factory for certification.

FRP Strainer Dimensions (Inch) For Inline Configuration			
Strainer Size	A	B	C
2"	11"	10 1/2"	18 1/2"
3"	11"	10 1/2"	18 1/2"
4"	13 3/4"	11 5/8"	21 1/4"
6"	18"	16"	26 1/2"
8"	20"	21 1/2"	34 1/2"
10"	22"	23"	37 1/2"
12"	27 1/2"	31 5/8"	46 3/4"
14"	35"	32 1/2"	49"



**Sure Flow  
Equipment Inc.**

Toll Free: 1-800-263-8251 Toll Free Fax: 1-800-876-1164  
International: 1-905-335-1350 International Fax: 1-905-332-4993  
Email: info@sureflowequipment.com www.sureflowequipment.com

