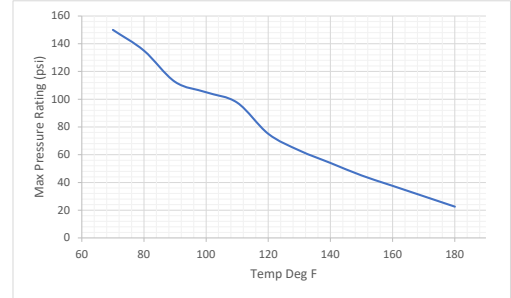


### 1.0 SCOPE

This specification covers requirements for Simplex PP/FRP Basket Strainers used in chemical piping systems that require corrosion resistant material.

### 2.0 STRAINER DESIGN

- 2.1 Strainer shall be flanged basket type.
- 2.2 Body configuration shall be in-line.
- 2.3 Basket shall be PP, Perforations 1/4" on 3/8" centers.
- 2.4 Minimum area ratio of pipe to basket shall be 10 to 1.
- 2.5 Cover shall have 1/2" vent tap.
- 2.6 Strainer shall be rated for 100 psi at 73 F.
- 2.7 Vendor shall supply min 5 years service history of applications in similar service.



### 3.0 CONSTRUCTION

- 3.1 Strainer body and lid shall be of dual laminate construction: PP with FRP over-wrap.
- 3.2 PP liner thickness shall be minimum SDR21.
- 3.3 All joints shall be heat fused, back-welded, and spark tested.
- 3.4 All flanges to ANSI 150 # Van Stone Type.
- 3.5 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 PP0110-A2-1510 /ASTM D4101,  
Cell Class PP0110-M30-A10120 ASTM-2467 & ASTM -2657
- 4.2 Approved supplier is Fluidtrol Process Technologies, Inc.
- 4.3 Deviations require enduser or engineering approval.

GS PP	Strainer Size	Face to Face (inch) A	Center Line (inch) B	Height (inch) C	Aprox. Weight (lbs)	Basket Area / Inlet Area
GS133002031	2	13	10 1/2	19 1/2	50	18.8
GS133003031	3	13	10 1/2	19 1/2	52	15.6
GS133004031	4	14 1/2	11 5/8	22	66	17.1
GS133005031	5	18	16	26 1/2	100	12.6
GS133006031	6	18	16	26 1/2	102	12.6
GS133008031	8	20	21 1/2	34 1/2	150	11.3
GS133010031	10	22	23	37 1/2	182	10.2
GS133012031	12	27 1/2	31 5/8	46 3/4	280	10.1
GS133014031	14	35	32 1/2	49	370	13.0

