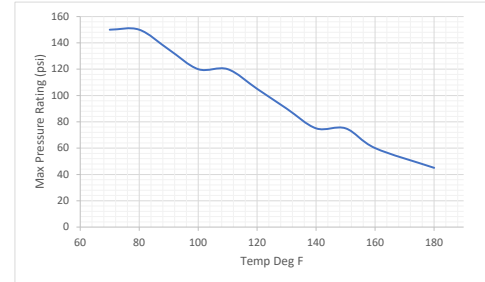


1.0 SCOPE

This specification covers requirements for Simplex CPVC/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 CPVC, 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 150 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: CPVC with FRP over-wrap.
- 3.2 CPVC liner thickness shall be schedule 80/40.
- 3.3 All joints shall be solvent 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:  
CPVC Type IV Cell Classification 23447, ASTM F-441, ASTM F-437, ASTM F-493  
ANSI B 16.5 CL 150
- 4.2 Approved supplier is Fluidtrol Process Technologies, Inc.
- 4.3 Deviations require enduser or engineering approval.

GS CPVC	Strainer Size	Face to Face (inch) A	Center Line (inch) B	Height (inch) C	Aprox. Weight (lbs)	Basket Area / Inlet Area
GS122002031	2	13	10 1/2	19 1/2	50	18.8
GS122003031	3	13	10 1/2	19 1/2	52	15.6
GS122004031	4	14 1/2	11 5/8	22	66	17.1
GS122005031	5	18	16	26 1/2	100	12.6
GS122006031	6	18	16	26 1/2	102	12.6
GS122008031	8	20	21 1/2	34 1/2	150	11.3
GS122010031	10	22	23	37 1/2	182	10.2
GS122012031	12	27 1/2	31 5/8	46 3/4	280	10.1
GS122014031	14	35	32 1/2	49	370	13.0

