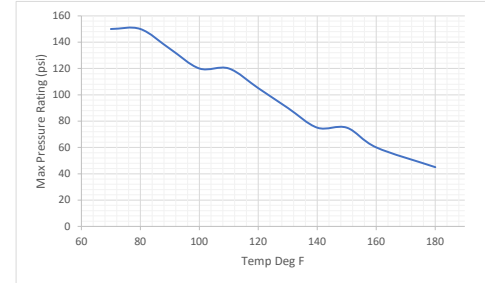


1.0 SCOPE

This specification covers requirements for Simplex CPVC/FRP Wye (Y) Strainers used in chemical piping systems that require corrosion resistant material.

2.0 STRAINER DESIGN

- 2.1 Strainer shall be oversized wye type.
- 2.2 Basket shall be CPVC, Perforations 1/4" on 3/8" centers.
- 2.3 Minimum area ratio of pipe to basket shall be 10 to 1.
- 2.4 Cover shall have 1/2" minimum drain/blowdown port.
- 2.5 Strainer shall be rated for 150 psi at 73 F.
- 2.6 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. Standard cover fastners are SS304.
- 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 | Basket Area / Inlet Area |
|-------------|---------------|-----------------------|----------------------|-----------------|--------------------------|
| WY122002037 | 2 | 23 | 12 | 15 5/8 | 23 |
| WY122003037 | 3 | 28 | 18 | 21 3/8 | 10.2 |
| WY122004037 | 4 | 32 | 18 | 23 | 16.5 |
| WY122005037 | 5 | 39 | 20 7/8 | 28 1/4 | 13.6 |
| WY122006037 | 6 | 39 | 20 7/8 | 28 1/4 | 13.6 |
| WY122008037 | 8 | 48 | 26 | 33 1/8 | 11.8 |
| WY122010037 | 10 | 50 | 32 7/8 | 35 | 10.5 |
| WY122012037 | 12 | 56 | 32 7/8 | 41 7/8 | 10 |
| WY122014037 | 14 | 60 | 41 | 45 1/4 | 9.9 |

