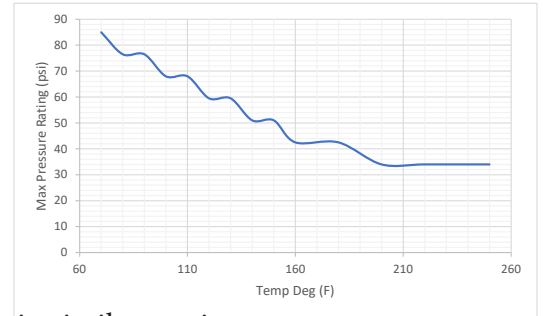


### 1.0 SCOPE

This specification covers requirements for Simplex PVDF/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 PVDF, 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 85 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: PVDF with FRP over-wrap.
- 3.2 PVDF liner thickness shall be minimum SDR21.
- 3.3 All joints to be thermally fused, back-welded and spark tested.
- 3.4 All flanges to ANSI 150 # Van Stone Type. Standard cover fasteners 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:  
Cell Class TYPE II as in ASTM D-3222  
ANSI B 16.5 CL 150
- 4.2 Approved supplier is Fluidtrol Process Technologies, Inc.
- 4.3 Deviations require enduser or engineering approval.

WYE PVDF	Strainer Size	Face to Face (inch) A	Center Line (inch) B	Height (inch) C	Basket Area / Inlet Area
WY144002037	2	23	12	15 5/8	23
WY144003037	3	28	18	21 3/8	10.2
WY144004037	4	32	18	23	16.5
WY144005037	5	39	20 7/8	28 1/4	13.6
WY144006037	6	39	20 7/8	28 1/4	13.6
WY144008037	8	48	26	33 1/8	11.8
WY144010037	10	50	32 7/8	35	10.5
WY144012037	12	56	32 7/8	41 7/8	10
WY144014037	14	60	41	45 1/4	9.9

