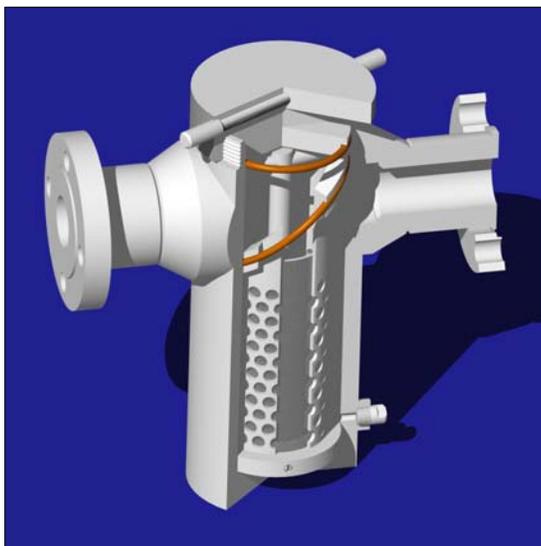


FLUOR-O-FLO®
PVDF & PTFE Basket Strainers

Removable PTFE Strainer Cartridge with Fluoropolymer Screen

Flanged • NPT • Tri-Clamp • Socket Weld



Micromold's Basket Strainers remove particles or debris from process lines handling extremely corrosive or high-purity fluids. They are similar in construction to our Y-Strainers, but with about three times the particulate capacity.

To ensure maximum corrosion resistance and purity, all wetted materials are fluoroplastics. Both PVDF and PTFE Basket Strainers are available in 1/2" through 3" pipe sizes.

Easily cleaned, removable PTFE cartridges securely support ETFE screens in standard 11, 17, 30 or 51 mesh sizes. Standard PEEK screens available in mesh sizes ranging from 400 to 65 (12 to 155 microns). Other mesh sizes and types available on special order.

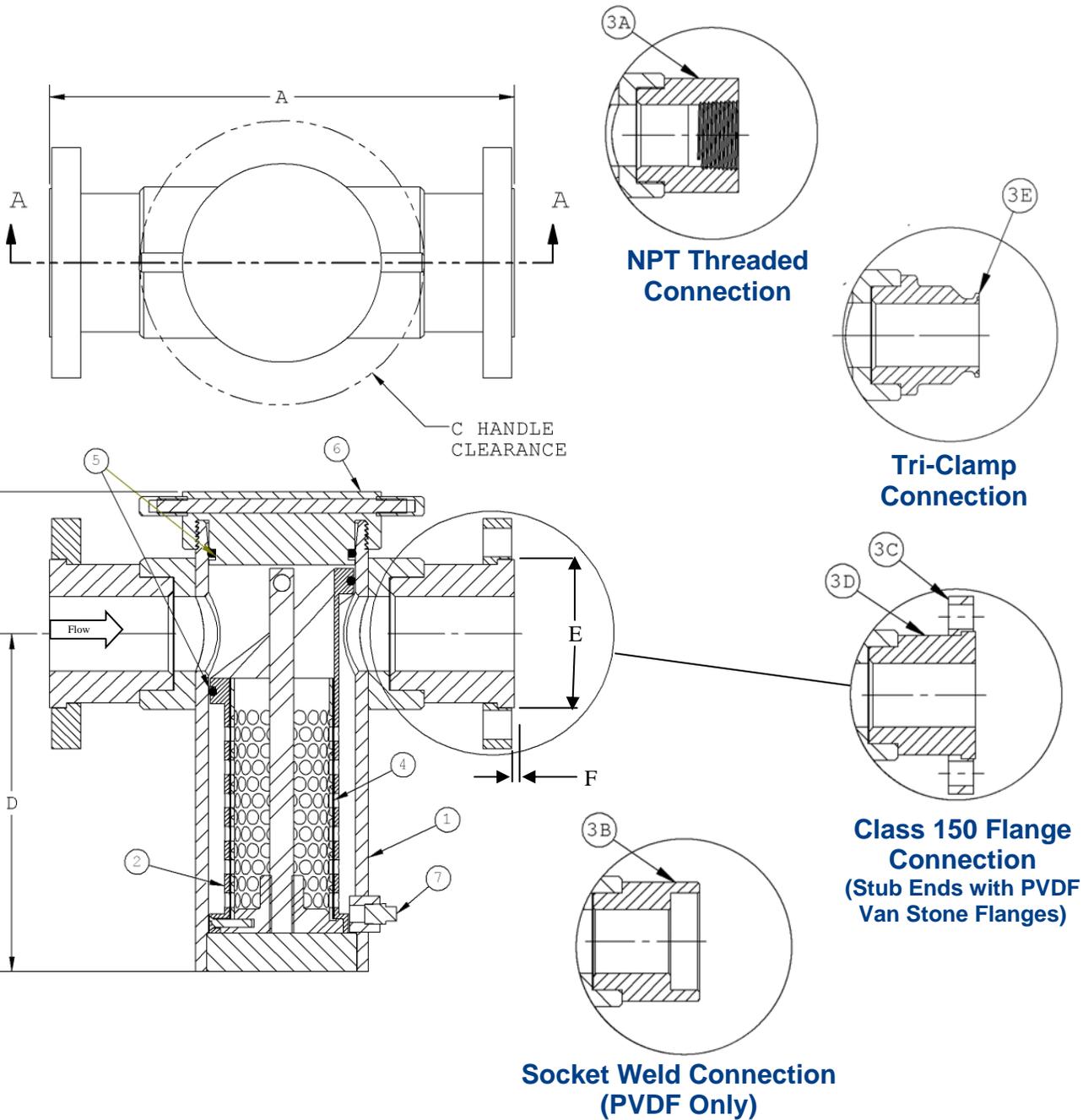
Open area ratio of screen to pipe meets or exceeds 6:1 for all sizes when used with 48% or higher open area mesh as compared with 2:1 for our Y-Strainer product lines.

Standard end connections fit NPT threaded, flanged, Tri-Clamp, and socket- or butt-weld (PVDF units only) piping systems. We can provide virtually any connection (True-Union, etc.) on special order.

Also available:

FLUOR-O-FLO® PVDF & PTFE Basket Strainers

- Sales Bulletin
- Installation and Maintenance Guide
- Strainer Screens Technical Bulletin



Product Specifications 4.2-2

Connection Availability & Size Ranges

Strainer Material	NPT/ Flanged/ Tri-Clamp	Socket Weld
PVDF	1/2" – 3"	1/2" – 3" (20 - 90 mm)
PTFE	1/2" – 3"	N/A

All flanges are Van Stone type with stub ends (rotatable)



Dimensions

Nominal Size		A (in.)	B (in.)	C (in.)	D PVDF (in.)	D PTFE (in.)	E (in.)	F (in.)	PLUG NPT (in.)
(in.)	(mm)								
1/2"	20	10.3	7.7	7.5	5.1	4.8	1.62	0.065	1/4
3/4"	25	10.3	7.7	7.5	5.1	4.8	1.99	0.065	1/4
1"	32	10.3	7.7	7.5	5.1	4.8	2.37	0.065	1/4
1-1/4"	40	12.1	12.5	8.5	8.8	8.8	2.74	0.065	1/4
1-1/2"	50	12.1	12.5	8.5	8.8	8.8	3.12	0.065	1/4
2"	63	12.1	12.5	8.5	8.8	8.8	3.87	0.065	1/4
3"	90	14.6	16.4	10.6	10.8	11.6	5.12	0.065	1/4

Construction

Item No.	PVDF Basket Strainers	PTFE Basket Strainers
1	PVDF Body	MICROFLON™ PTFE Body
2	Removable PTFE Cartridge	Removable PTFE Cartridge
3A	PVDF NPT Connector	PTFE NPT Connector
3B	PVDF Socket Weld Connector	N/A
3C	PVDF Flange (Other materials available)	PVDF Flange (Other materials available)
3D	PVDF Stub End	PTFE Stub End
3E	PVDF Tri-Clamp Connector	PTFE Tri-Clamp Connector
4	Fluoropolymer Screen	Fluoropolymer Screen
5	FEP Encapsulated Silicone Rubber O-Ring	FEP Encapsulated Silicone Rubber O-Ring
6	PVDF Cap w/Handles	PTFE Cap w/Handles
7	PTFE Drain Plug	PTFE Drain Plug

Engineering Specifications

FLUOR-O-FLO® basket strainers shall be (PVDF or virgin PTFE) construction with (socket weld, NPT threaded, Tri-Clamp, or flanged) end connections. The strainers shall have covers removable without the use of tools to facilitate cleaning, and have an FEP encapsulated silicone rubber o-ring seal. Basket strainers to have a minimum 6:1 ratio of open area to the size-corresponding cross-sectional pipe area when used with a mesh screen having a minimum open area of 48%. Basket strainers shall have a removable PTFE strainer cartridge with FEP encapsulated silicone rubber o-ring seal and having a handle to facilitate removal. Removable PTFE strainer cartridges shall have perforated PTFE inner and outer cartridge components to secure screen mesh. As manufactured by MICROMOLD PRODUCTS, INC.



PVDF Basket Strainer Part Numbers and Pressure Ratings*

Nominal Size		ANSI Class 150 Flanged	NPT Threaded	Tri-Clamp	IPS Socket Weld (in. sizes)	Metric Socket Weld (mm sizes)	Pressure Ratings (psi)
(in.)	(mm)						
1/2"	20	S-BK04FLNNN	S-BK04FTNNN	S-BK04TCNNN	S-BK04SINNN	S-BK04SMNNN	150
3/4"	25	S-BK06FLNNN	S-BK06FTNNN	S-BK06TCNNN	S-BK06SINNN	S-BK06SMNNN	150
1"	32	S-BK08FLNNN	S-BK08FTNNN	S-BK08TCNNN	S-BK08SINNN	S-BK08SMNNN	150
1-1/4"	40	S-BK10FLNNN	S-BK10FTNNN	S-BK10TCNNN	S-BK10SINNN	S-BK10SMNNN	100
1-1/2"	50	S-BK12FLNNN	S-BK12FTNNN	S-BK12TCNNN	S-BK12SINNN	S-BK12SMNNN	100
2"	63	S-BK16FLNNN	S-BK16FTNNN	S-BK16TCNNN	S-BK16SINNN	S-BK16SMNNN	100
3"	90	S-BK24FLNNN	S-BK24FTNNN	S-BK24TCNNN	S-BK24SINNN	S-BK24SMNNN	60

PTFE Basket Strainer Part Numbers and Pressure Ratings*

Nominal Size		ANSI Class 150 Flanged	NPT Threaded	Tri-Clamp	Pressure Ratings (psi)
(in.)	(mm)				
1/2"	20	S-BT04FLNNN	S-BT04FTNNN	S-BT04TCNNN	50
3/4"	25	S-BT06FLNNN	S-BT06FTNNN	S-BT06TCNNN	50
1"	32	S-BT08FLNNN	S-BT08FTNNN	S-BT08TCNNN	50
1-1/4"	40	S-BT10FLNNN	S-BT10FTNNN	S-BT10TCNNN	35
1-1/2"	50	S-BT12FLNNN	S-BT12FTNNN	S-BT12TCNNN	35
2"	63	S-BT16FLNNN	S-BT16FTNNN	S-BT16TCNNN	35
3"	90	S-BT24FLNNN	S-BT24FTNNN	S-BT24TCNNN	25

Standard Mesh Specifications

Particle sizes strained: 1 to 25,400 microns (0.00003" to 1") using either membranes, mesh screens, or drilled holes. Please refer to our *Strainer Screens Technical Bulletin* for details.

*NNN refers to mesh size of screen. Pressure Ratings are maximum long-term operating pressures at room temperature.

