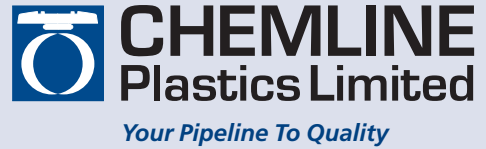


# Y Sediment Strainers

The Chemline YSA Series Y Sediment Strainer is a safety filtration device designed to entrap occasional solid impurities in the line. This is to protect equipment with small orifices such as solenoid valves, and prevent damage to pumps or control valves, etc. The easily replaceable filter screen comes in a choice of meshes. The new YSA Series True Union models have greatly increased filtration areas. Pressure drops are lower and less frequent cleaning is required.



## PVC<sup>1</sup>

SERIES: YSA

SIZES: 1/2" – 4"

ENDS: True Union, Threaded, Socket, Flanged or ChemFlare™<sup>2</sup>

SEALS: EPDM, FKM (Viton®)<sup>3</sup>

## High Capacity

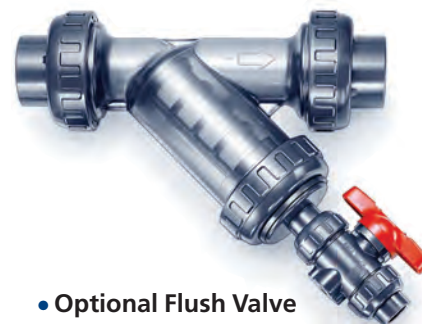
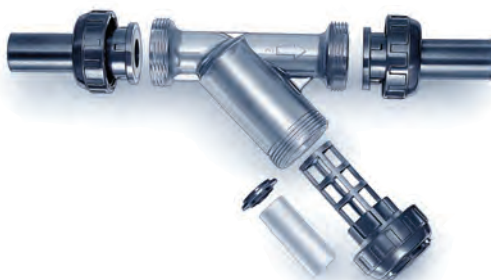
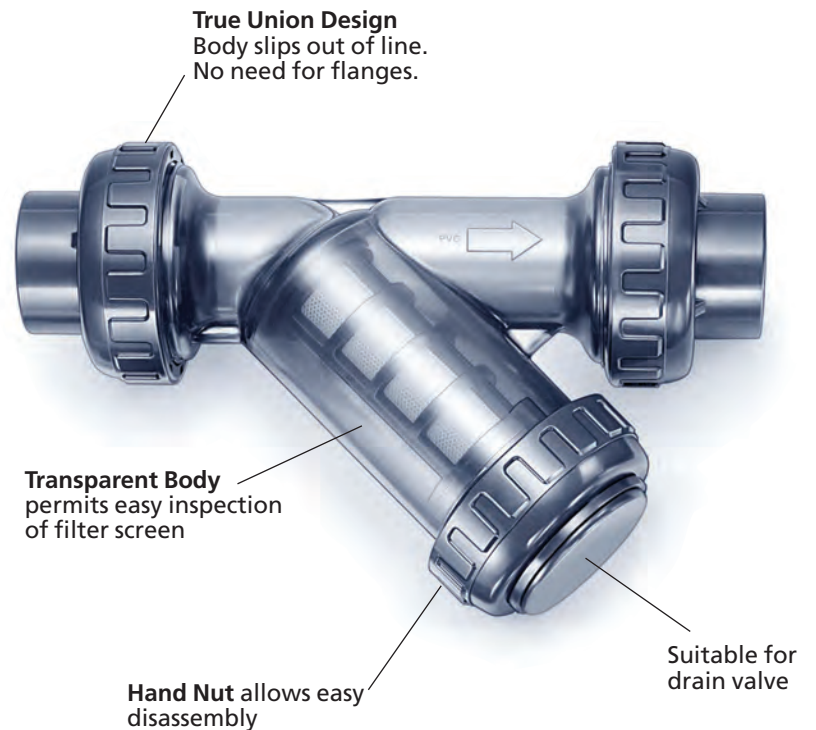
## NSF 61 Certified<sup>4</sup>

## Transparent Body



### Features

- **Large Filtration Capacity Low Pressure Drops**
  - Diameter of screens are full pipe bore. The effective filtering area is in some sizes **twice the filtering area** of other makes. This results in larger filtration capacities and lower pressure drops.
- **Replaceable Filter Screens**
  - Available with choice of PVC 24, 35 or 55 mesh filter screens
  - 316 SS screens are also available
- **Dual Socket and Threaded Ends**
  - Sizes 1/2" to 2" in PVC are supplied with socket ends plus two free threaded ends in each box

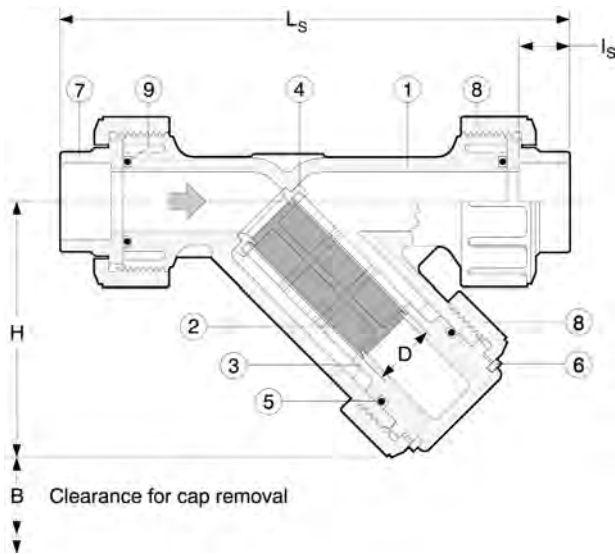


- **Easily Maintained** – All parts are easily replaceable including the body

- **Optional Flush Valve**

<sup>1</sup> Polypropylene and PVDF Strainers are available special order.  
<sup>2</sup> For ChemFlare™ end connectors, consult Chemline.  
<sup>3</sup> Other seal materials are available special order.  
<sup>4</sup> PVC valves with EPDM or FKM (Viton®) seals are certified under NSF/ANSI Standard 61 for contact with drinking water.

# Y Sediment Strainers



## PARTS

▲ Recommended Spare Parts

No.	Part	Pcs.	Materials
1	Body	1	PVC
2▲	Filter Screen	1	PVC, 316SS
3	Cap/Filter Cage	1	PVC
4▲	Screen Retainer	1	PVC
5▲	Cap O-Ring	1	EPDM, FKM (Viton®)
6	Split Ring	1	PVC
7	End Connector	2	PVC
8	Union Nut	3	PVC
9▲	Face O-Ring	2	EPDM, FKM (Viton®)

## DIMENSIONS INCHES

Size	B	D	H (Closed)	L <sub>r</sub> Threaded	L <sub>s</sub> Socket	L <sub>f</sub> Flanged	I <sub>s</sub> Socket	Exposed Screen Area (in <sup>2</sup> )
1/2"	3.	0.63	2.8	6.50	6.93	8.1	0.87	2.71
3/4"	4.	0.83	3.7	7.95	8.30	10.0	1.00	4.57
1"	5.	1.1	4.0	8.82	9.37	11.1	1.12	5.98
1-1/2"	6.	1.6	5.7	11.30	12.13	13.2	1.38	13.8
2"	7.	2.0	6.6	12.76	13.31	14.2	1.50	20.0
3"	8.	3.1	7.5	17.2	17.80	18.8	1.87	34.0
4"	11.	3.9	10.1	23.5	23.54	23.9	2.25	54.7

## NET WEIGHTS LB.

## WORKING PRESSURES PSI

## C<sub>v</sub> VALUES

Size	NET WEIGHTS LB.		WORKING PRESSURES PSI	C <sub>v</sub> VALUES
	Threaded Socket	Flanged		
1/2"	0.5	1.0	0-50°C / 32-122°F	5.2
3/4"	1.0	1.6	150	7.5
1"	1.5	2.4	150	14.
1-1/2"	3.4	4.6	150	34.
2"	4.3	6.0	150	50.
3"	12.7	14.7	85	110.
4"	30.8	35.1	85	165.

Temperature Range  
0 to 60°C (32° to 140°F)

With clean 24 mesh screen

## FILTER SCREEN DATA

Equiv. Mesh	Micron Filtration	Hole Area (in <sup>2</sup> )	Holes per in <sup>2</sup>	% Open Area
24	690	.00114	135	15.4
35	490	.00053	258	13.7
55	250	.00011	774	8.5

24 mesh is supplied as standard, 35 or 55 mesh supplied on request.

**Micron filtration** is the smallest diameter of a sphere which will be retained by the mesh.

## ORDERING EXAMPLE

Chemline PVC Y Strainers		YSA	020			E	S		
Size	005 – 1/2"	007 – 3/4"	010 – 1"	012 – 1-1/4"	015 – 1-1/2"	020 – 2"	030 – 3"	040 – 4"	060 – 6"
Seals	E – EPDM	V – FKM (Viton®)	C – CPE <sup>2</sup>	B – Nitrile <sup>3</sup>	A – Aflas				
Ends	S – Socket	T – Threaded	F – Flanged	CF – ChemFlare™					

**Example:** Chemline PVC Y Strainer, 2", EPDM O-rings, socket ends.

<sup>1</sup>6" is 4" strainer with 6" end connections

<sup>2</sup>CPE = Chlorinated Polyethylene

<sup>3</sup>Nitrile is also called "Buna-N"

## OPTIONS

- Alternate O-ring materials
- Flush out valve installed in cap
- 316 Stainless Steel Screens if greater open area is required
- Polypropylene or PVDF Construction – Design is different from YSA Series. Consult Chemline.



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