Y Sediment Strainers

CHEMLINE Plastics Limited
Your Pipeline To Quality

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.

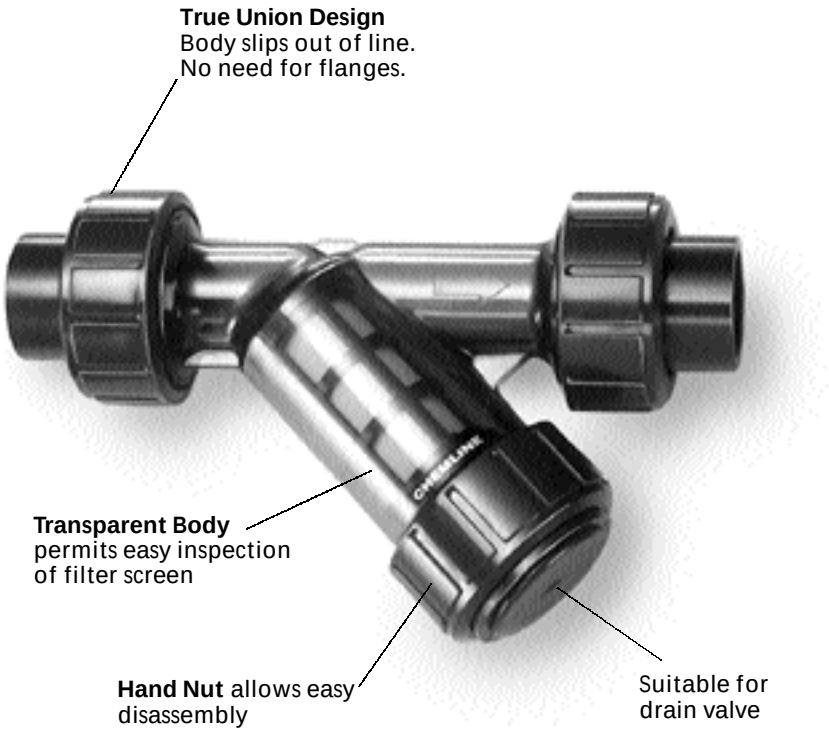
PVC*

SERIES:	YSA
SIZES:	1/2" – 4"
ENDS:	True Union, Threaded, Socket or Flanged
SEALS:	EPDM, Viton†

High Capacity

True Union up to 4"

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 26, 36 or 60 mesh filter screens
  – 316 SS screens are also available
- **Dual Socket and Threaded Ends**
  – Sizes 1/2"– 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

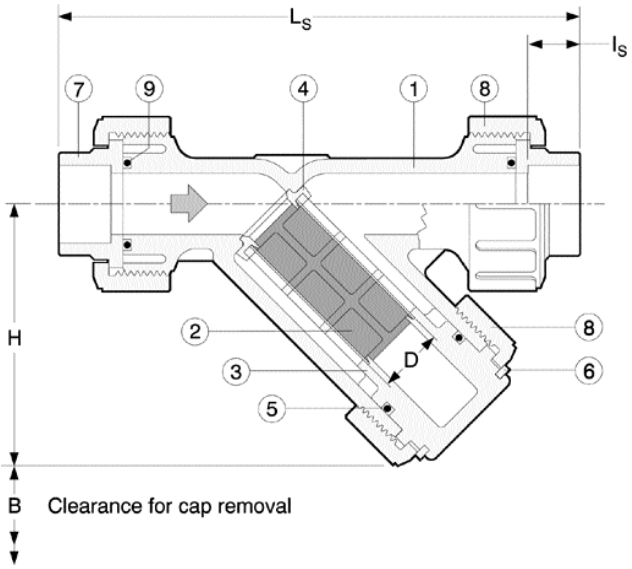


- **Optional Flush Valve**

***** Polypropylene and PVDF Strainers are available special order.
† Other seal materials are available special order.

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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, Viton
6	Split Ring	1	PVC
7	End Connector	2	PVC
8	Union Nut	3	PVC
9▲	Face O-Ring	2	EPDM, Viton

DIMENSIONS INCHES

Size	B	D	H (Closed)	L_T Threaded	L_S Socket	L_F Flanged	l_S Socket	Exposed Screen Area (in^2)
1/2"	3.	0.63	2.8	6.38	6.42	8.1	0.69	2.71
3/4"	4.	0.83	3.7	7.87	7.76	10.0	0.72	4.57
1"	5.	1.1	4.0	8.98	8.9	11.1	0.87	5.98
1-1/2"	6.	1.6	5.7	11.61	11.6	13.2	1.09	13.8
2"	7.	2.0	6.6	12.76	12.6	14.2	1.16	20.0
3"	8.	3.1	7.5	17.2	17.8	18.8	1.87	34.0
4"	11.	3.9	10.1	23.5	23.1	23.9	2.00	54.7

NET WEIGHTS LB

Size	Threaded Socket	Flanged
1/2"	0.5	1.0
3/4"	1.0	1.6
1"	1.5	2.4
1-1/2"	3.4	4.6
2"	4.3	6.0
3"	12.7	14.7
4"	30.8	35.1

WORKING PRESSURES PSI

0 - 50°C 32 - 122°F
150
150
150
150
150
85
85

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

C_V VALUES

USGPM Flow at 1 PSI Pressure Drop
5.2
7.5
14.
34.
50.
110.
165.

With clean 26 mesh screen.

FILTER SCREEN DATA

Equiv. Mesh	Micron Filtration	Hole Area (in^2)	Holes per in^2	% Open Area
26	690	.00114	135	15.4
36	490	.00053	258	13.7
60	250	.00011	774	8.5

26 mesh is supplied as standard, 36 or 60 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 Strainer	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"[1]			
Seals	**E** - EPDM **V** - Viton **C** - CPE[2] **B** - Nitrile[3] **A** - Aflas			
Ends	**S** - Socket **T** - Threaded **F** - Flanged			

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

[1]6" is 4" strainer with 6" end connections
[2]CPE = Chlorinated Polyethylene
[3]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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CHEMLINE
Established in 1968