

YT Series Y Sediment Strainers



PVC

SERIES: YT

SIZES: 2-1/2" to 4"

ENDS: Socket or Flanged

SEALS: EPDM, FKM (Viton®)¹

Chemline YT Series Y Sediment Strainers are moulded in clear PVC. They act as a safety filtration device entrapping occasional solid impurities in the line. This is to protect equipment with small orifices such as solenoid and control valves, and prevent fouling of chemical dosing systems using diaphragm or peristaltic pumps. The easily replaceable filter screen comes in a choice of meshes. Large filtration areas ensure pressure drops are low.

Features

Clear PVC Bodies

- Permits inspection

Large Filtration Capacity

- The large filtering area results in high filtration capacity and low pressure drops

Flush Port is Supplied Standard

- 1/2" NPT port and plug with o-ring

Replaceable Filter Screens

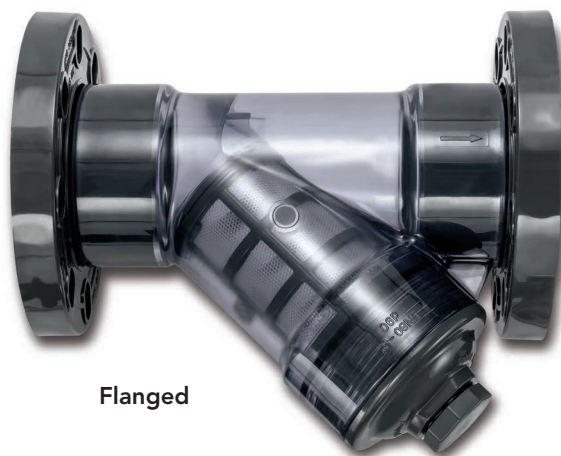
- 12 mesh filter screen is standard
- 20, 35 and 56 mesh sizes are available in 316 SS, other sizes on request

Compact Rotating Flanged Ends

- Flanges are compact rotating ring type. May be positioned to easily match up with pipeline flanges.
- Face-to-face "L" length is shorter than with standard one-piece socket flanges



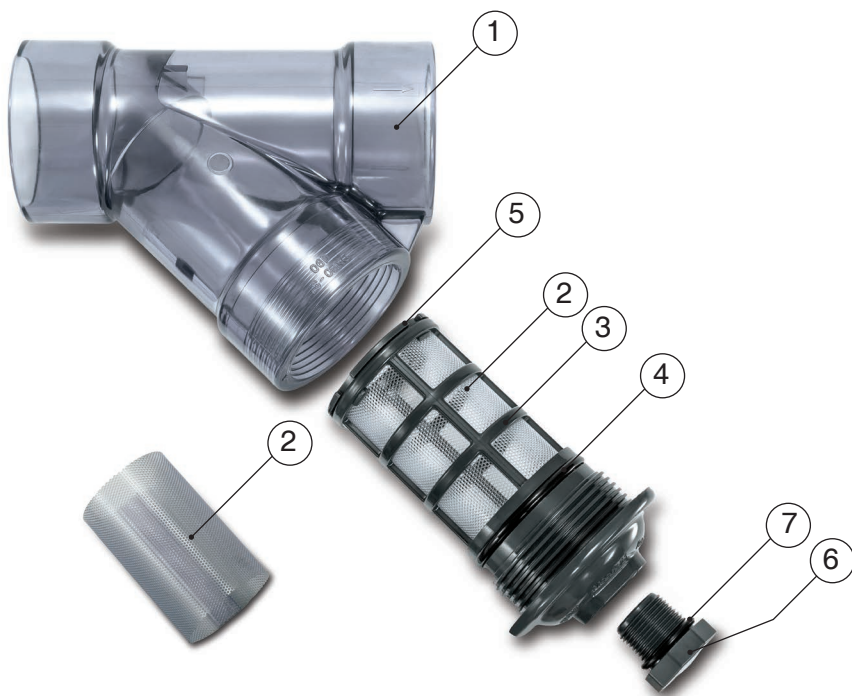
Socket



Flanged

¹ Other seal materials are available special order

YT Series Y Sediment Strainers: 2-1/2" to 4"



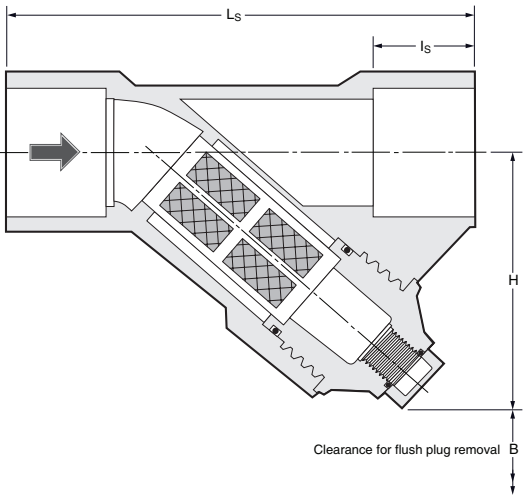
PARTS

▲ Recommended Spare Parts

No.	Part	Pcs.	Materials
1	Body ¹	1	PVC
2▲	Screen ¹	1	PVC, 316 SS
3▲	Screen Cage	1	PVC
4▲	Cage O-Ring	1	EPDM, FKM(Viton®)
5▲	Screen Retainer	1	PVC
6▲	Flush Plug ²	1	PVC
7▲	Plug O-Ring	1	EPDM, FKM(Viton®)

¹ PVC screen is standard, optional 316 SS

² Flush Plug is 1/2" NPT threaded



DIMENSIONS INCHES

Size	B	H (Closed)	L _s Socket	L _F Flanged	L _s Socket
2-1/2"	3.5	5.40	8.25	CF	1.75
3"	4.3	6.45	9.63	11.7	1.88
4"	5.4	7.84	11.69	14.0	2.25

NET WEIGHTS LBS.

Size	Socket PVC	Flanged PVC	PSI
2-1/2"	1.1	3.7	150
3"	1.9	4.8	150
4"	3.1	9.6	150

MAXIMUM
WORKING
PRESSURES

Temperature
Range
PVC 0 to 60°C
(32 to 140°F)
CPVC 0 to 90°C
(32 to 210°F)

FILTER SCREEN DATA

Equiv. Mesh	Mesh Material	Micron Filtration	Hole Area (in ²)	% Open Area
12	PVC	1,680	0.00396	14.0
20	316 SS	841	0.034	46.2
35	316 SS	500	0.018	37.9
56	316 SS	250	0.009	25.6

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

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Features and Options

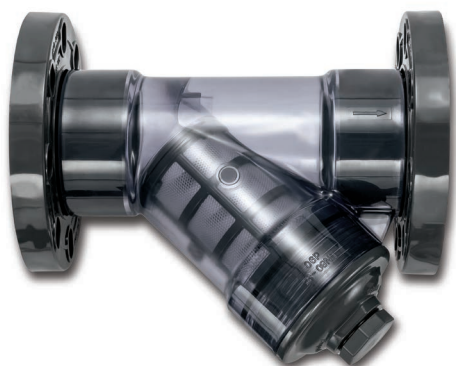


Flush Port and Plug

- Supplied standard
- 1/2" NPT



- Optional Flush Valve



Compact Rotating Flanged Ends

- Flanges are compact rotating ring type. May be positioned to easily match up with pipeline flanges.
- Face-to-face "L" length is shorter than with standard one-piece socket flanges

OPTIONS

- Alternate O-Ring materials
- **316 Stainless Steel Screens:** 20, 35 and 56 mesh screen are available (other sizes on request)
- Flush Valve

ORDERING EXAMPLE

Chemline YT Series Strainers		YT	A	030	E	S
Body	A – PVC					
Size	025 – 2-1/2"	030 – 3"	040 – 4"			
Seals	E – EPDM	V – FKM (Viton®)				
Ends	S – Socket	F – Flanged				

Example: Chemline YT Series True Union Y Strainer, PVC, 3", EPDM o-rings, socket ends.

YT Series.DS.02.11.26



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