97120 Sediment Trap

The S&J 97120 Sediment Trap is designed to drop out sediment and condensate from "wet" gas immediately downstream from the digester. This protects downstream equipment from corrosion, blockage and water hammer to keep the gas train running for years with low pressure drop.

The inlet nozzle sets up a centrifugal force and a sharp drop in velocity. This combination of forces very efficiently removes the majority of sediment and condensate from the "wet" gas.

Available in large capacities (minimum of 6 gallons condensate and 6 gallons sediment) and with drip trap connection ports, the S&J 97120 provides easy clean out and minimized maintenance times.

Materials of construction include steel or stainless steel, 316 stainless steel hardware is standard. Units are designed for working pressures up to 25 psig.

An optional cooling coil is available to help supplement the removal of moisture in the gas. Cooling water (supplied by others) will be run through the coil inside of the vessel.

To monitor the level of condensate inside the tank, a sight glass is available. Two 1/2" NPT connections are supplied on either side of the 97120 Sediment Trap. Isolation Valves are available in Brass, 316 Stainless Steel or Bronze. A 5/8" diameter high pressure Pyrex sight glass tube is standard.

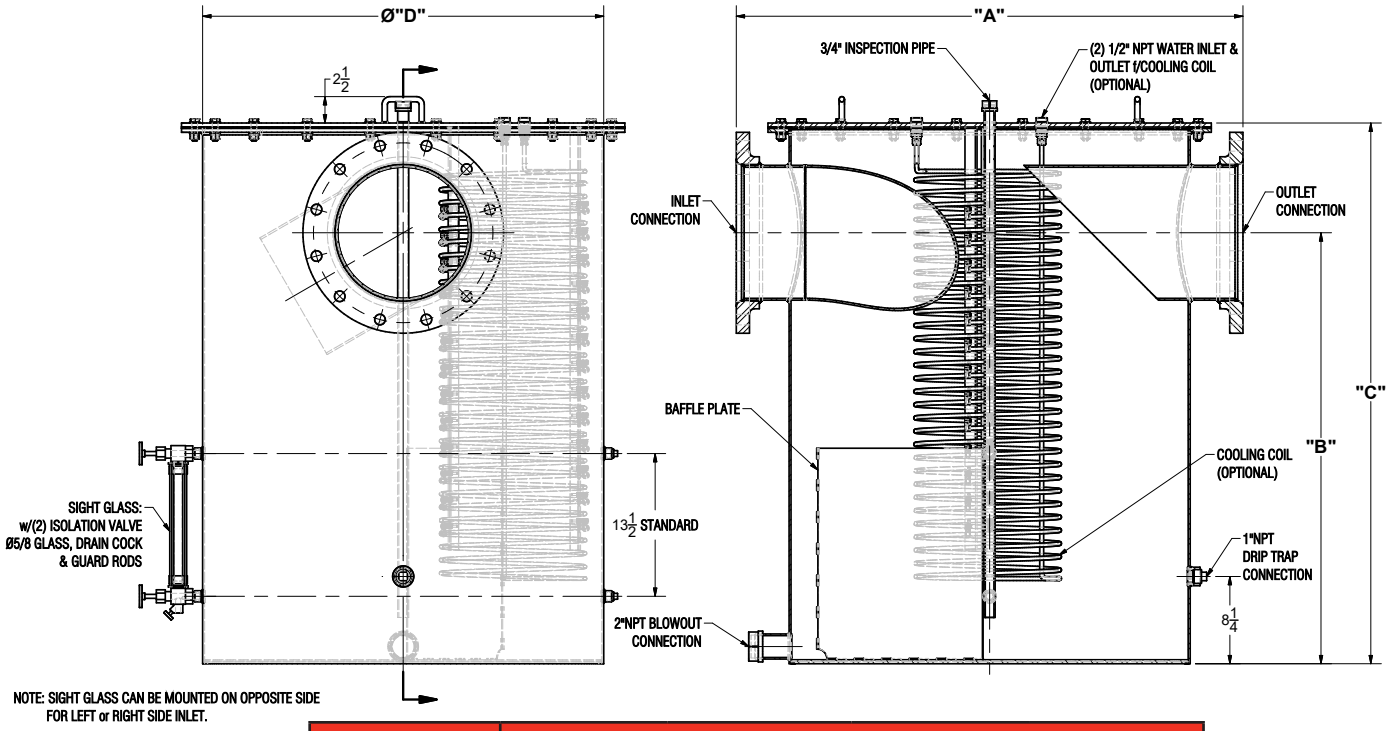
Features

- Removes Sediment and Condensate
- Low and High Pressure Units available up to 25 psi
- Cooling Coil option available
- Large Capacity
- Easy Cleanout
- Inlet Sizes 2" to 18"
- Low Pressure Drop Design

97120
Sediment Trap

SHAND&JURS

Dimensions:



NOTE: SIGHT GLASS CAN BE MOUNTED ON OPPOSITE SIDE FOR LEFT or RIGHT SIDE INLET.

Line Diameter (Inches [mm])	Dimensions (Inches [mm])			
	"A"	"B"	"C"	"D"
2 [50]	22.5 [572]	22.25 [565]	27.13 [689]	16 [406]
3 [75]	23 [584]	21.5 [546]	27.13 [689]	16 [406]
4 [100]	23 [584]	20.75 [527]	27.13 [689]	16 [406]
6 [150]	27 [686]	24.75 [629]	32.13 [816]	20 [508]
8 [200]	39 [991]	31.25 [794]	38.13 [969]	30 [762]
10 [250]	39 [991]	30.63 [778]	38.13 [969]	30 [762]
12 [300]	48 [1219]	40.75 [1035]	50.5 [1283]	38 [965]
14 [350]	60 [1524]	46 [1168]	58 [1473]	48 [1219]
16 [400]	62 [1575]	50 [1270]	62 [1575]	48 [1219]
18 [450]	74 [1880]	58 [1473]	70 [1778]	62 [1575]

Air Flow Capacity in Standard Cubic Feet per Hour x 1000 @ 60°F

Pressure Drop Inches W.C.	Line Size, Volumetric Flow (SCFH)									
	2"	3"	4"	6"	8"	10"	12"	14"	16"	18"
0.25	1.2	3.1	5.6	13	23	36	51	65	85	108
0.5	1.9	4.4	8	18	32	50	72	92	120	152
0.75	2.3	5.5	10	22	40	62	89	113	147	187
1	2.7	6.6	11	26	46	72	103	130	170	216
1.5	3.3	8.0	14	32	56	87	125	160	209	264
2	3.9	9.3	16	36	64	100	145	185	241	305

All designs subject to change. Certified dimensions and specifications available upon request.

97120 Ordering Guide

Model Number Selection

The model number will have a base number **97120** followed by 8 digit numbers. These digits will represent 7 sets of option tables.

97120 - AB - CD - EF - GH

Table AB - Line Size

Option AB	Size (Inches)
02	2"
03	3"
04	4"
06	6"
08	8"
10	10"
12	12"
14	14"
16	16"
18	18"

Table C - Connection / Pressure Rating

Option C	Connection
0	ANSI RF, 25 PSI
1	ANSI FF, 25 PSI
2	NPT 2" & 3" Only, 25 PSI
6	ANSI FF, 5 PSI
7	ANSI RF, 5 PSI
8	NPT 2" & 3" Only, 5 PSI

NPT Connection on 2" & 3" Sizes only, consult factory for NPT Connection for other sizes.

Table D - Finish

Option D	Finish
0	No Finish
1	Rust Inhibitive Primer Paint
2	Hot Dipped Galvanizing with Steel Only
3	Epoxy Internal & External
4	Epoxy Internal & External Rust Inhibitive Primer Finish

Table E - Tank Material

Option E	Material
1	Steel
2	304 Stainless Steel
3	316 Stainless Steel
4	316L Stainless Steel

Table F - Sight Glass Valves

Option F	Sight Glass
0	None
1	Brass
2	316 Stainless Steel
3	Bronze

Table G - Soft Goods

Option G	Soft Goods
0	NBR
1	CR

NBR (Nitrile-Butadiene)
CR = Chloroprene (Neoprene)

Table H - Cooling Coil

Option H	Cooling Coil
0	None
1	Cooling Coil