



- Removes Sediment and Condensate
- Large Capacity
- Easy Cleanout
- Inlet Sizes 2" to 12"
- Low Pressure Drop Design

The Shand & Jurs Model 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 cleanout and minimized maintenance times. An optional condensing baffle removes additional moisture from the gas stream for additional equipment protection and more complete combustion.

Its steel components withstand the severest of process environments. The S&J 97120 is especially designed for hydrogen sulfide and hot, wet methane which are the main components of digester gas streams in municipal waste water treatment facilities. The 97120 is 100% U.S. made.

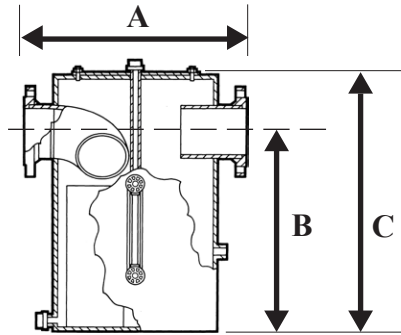
Applications

Anaerobic digester gas train
Fermentation off gas piping systems
Low pressure vent lines

MATERIALS OF CONSTRUCTION:

Body, Cover: Carbon Steel (316SS available)
Hardware: Plated Steel (SS Steel available)
Gasket: Buna-N
Sight Glass: Pyrex
Isolation Valve: Brass or 316SS
(Bronze, consult factory)

Line Diameter	Dimensions		
	A	B	C
2"	22.5"	22.25"	27.13"
3"	23"	21.50"	27.13"
4"	23"	20.75"	27.13"
6"	27"	24.75"	32.13"
8"	39"	31.25"	38.13"
10"	39"	30.63"	38.13"
12"	48"	40.75"	50.50"



AIR FLOW CAPACITY IN STANDARD CUBIC FEET PER HOUR x 1000 @ 60° F

Pressures Inches W.C.	Line Diameter						
	2"	3"	4"	6"	8"	10"	12"
0.25	1.2	3.1	5.6	13	23	36	51
0.5	1.9	4.4	8	18	32	50	72
0.75	2.3	5.5	10	22	40	62	89
1	2.7	6.6	11	26	46	72	103
1.5	3.3	8.0	14	32	56	87	125
2	3.9	9.3	16	36	64	100	145
3	4.9	11	20	45	79	124	179
4	5.8	13	23	51	92	144	205
5	6.3	15	26	57	102	162	230
6	6.9	16	28	63	112	176	254
8	8.0	18	32	73	131	203	289
10	8.9	20	36	81	145	227	325
12	9.5	22	40	90	159	248	356
14	10	24	43	96	172	266	385
16	11	26	46	102	183	287	411
18	12	27	48	109	196	305	437

HOW TO ORDER

97120 - AB - CD - EF

Line Size _____

Connection _____

Sight Glass Material _____

Tank Material _____

Finish _____

(AB) Line Size	(C) Connection	(D) Finish	(E) Tank Material
02 = 2" 08 = 8"	1 = ANSI 150 FF	0 = No Finish	1 = Steel
03 = 3" 10 = 10"	2 = NPT 2", 3" Only	1 = Rust Inhibitive Primer Paint	2 = 304SS
04 = 4" 12 = 12"		2 = Hot Dipped Galvanizing	3 = 316SS
06 = 6"		3 = Epoxy	4 = 316L SS
			(F) Sight Glass Valves
			1 = Brass
			2 = 316SS

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