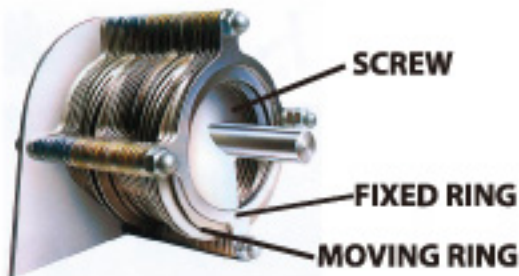


VOLUTE®

DEWATERING PRESS

ES Series

- Built in self cleaning system
- VOLUTE handles oily sludge
- Low Operational Cost
- All-In-One Design
- 24h Fully Automatic Operation
- Low noise and vibration
- Direct dewatering from low concentrated sludge (From 0.2 %)
- Stress free maintenance



Innovative Design

Layers of spacers, fixed and moving rings construct the cylinder. Moving rings, which are slightly smaller than the outer diameter of the screw and slightly narrower than the spacers, are located between the fixed rings and are moved by the screw. The moving rings continuously clean sludge out of the gaps and prevents clogging.

Volute Dewatering Press Application Reference

Sludge Type	Model	Feed Solids (%)	Cake Solids (%)	Solids Recovery (%)	Flow Rate (g/hr)	Throughput (lb-ds/hr)	Polymer Use (%)
Municipal Application							
Oxidation Ditch	ES-202 ST	0.4	19.0	98.0	19.4	38.8	1.9
Chemically Precipitated	ES-302 ST	1.5	20.0	97.0	29.5	220.5	0.5
Methane Fermentated	ES-303 ST	1.1	17.0	96.0	25.1	123.3	1.9
Industrial Application							
Abattoir(DAF)	ES-131 ST	1.2	17.9	94.1	2.2	9.92	1.0
Meat Processing(DAF)	ES-133 ST	1.5	17.4	95.4	4.4	31.97	1.0
Daily Product(DAF)	ES-131 ST	3.5	19.3	94.0	0.7	12.13	0.9
Seafood Processing (Excess Sludge)	ES-101 ST	1.0	17.0	96.0	2.2	10.6	1.25

Single Tank Model

Model	Throughput(Dry Solid)*	Dimensions			Electrical Power (kW)	Shower Water Consumption	Weight	
		Flow Rate*	L	W			H	Dry
ES-101 ST	6.6 ~ 11.0 lb/hr <i>0.35 ~ 3.7g/m</i>	69.488"	29.763"	41.141"	0.2	6.3g/hr	419lb	617lb
ES-131 ST	13.2 ~ 19.8 lb/hr <i>0.75 ~ 6.6g/m</i>	75.551"	29.763"	41.141"	0.2	6.3g/hr	452lb	661lb
ES-132 ST	26.5 ~ 39.7 lb/hr <i>1.5 ~ 13.2g/m</i>	79.488"	35.826"	41.141"	0.3	12.7g/hr	606lb	915lb
ES-202 ST	39.7 ~ 66.1 lb/hr <i>2.2 ~ 22.0g/m</i>	98.425"	36.811"	50.196"	0.8	16.9g/hr	1,036lb	1,543lb
ES-301 ST	79.3 ~ 110.2 lb/hr <i>4.4 ~ 36.6g/m</i>	126.181"	38.779"	59.055"	0.8	10.6g/hr	2,161lb	3,020lb
ES-302 ST	158.7 ~ 220.5 lb/hr <i>9.2 ~ 73.5g/m</i>	134.055"	48.425"	59.055"	1.2	21.1g/hr	3,241lb	4,784lb
ES-303 ST	238.1 ~ 330.7 lb/hr <i>13.7 ~ 110.1g/m</i>	139.960"	62.598"	59.842"	1.95	31.7g/hr	4,387lb	6,636lb

Twin Tank Model

Model	Throughput(Dry Solid)*	Dimensions			Electrical Power (kW)	Shower Water Consumption	Weight	
		Flow Rate*	L	W			H	Dry
ES-101 TT	6.6 ~ 11.0 lb/hr <i>0.35 ~ 3.7g/m</i>	78.740"	24.251"	41.141"	0.3	6.3g/hr	485lb	706lb
ES-131 TT	13.2 ~ 19.8 lb/hr <i>0.75 ~ 6.6g/m</i>	84.2519"	24.251"	41.141"	0.3	6.3g/hr	485lb	794lb
ES-132 TT	26.5 ~ 39.7 lb/hr <i>1.5 ~ 13.2g/m</i>	92.125"	26.614"	41.141"	0.4	12.7g/hr	706lb	1,146lb
ES-202 TT	39.7 ~ 66.1 lb/hr <i>2.2 ~ 22.0g/m</i>	113.385"	38.425"	50.196"	1.0	16.9g/hr	1,587lb	2,535lb
ES-301 TT	79.3 ~ 110.2 lb/hr <i>4.4 ~ 36.6g/m</i>	133.858"	37.007"	62.992"	1.0	10.6g/hr	2,094lb	3,241lb
ES-302 TT	158.7 ~ 220.5 lb/hr <i>9.2 ~ 73.5g/m</i>	143.700"	48.818"	62.992"	1.4	21.1g/hr	3,351lb	5,291lb
ES-303 TT	238.1 ~ 330.7 lb/hr <i>13.7 ~ 110.1g/m</i>	152.559"	62.598"	62.992"	2.15	31.7g/hr	4,519lb	7,430lb

Single Flocculation Tank models come with a flow control tank (ES-101 ST) and use only one chemical.

Twin Flocculation Tank models do not have flow control tanks (ES-101 TT) and use one or two chemicals.

- Standard throughput: 85% of water content (15% dry solid)
- Above figures may vary depending on type of usage.
- Motor Specification : 200-400V, 50-60Hz, IP65
- Volute Cylinder Specification : Thickening zone : Resin
Dewatering zone : SUS304
Screw : SUS304.

● Specifications may be changed without notice.
Contact us for recent updates.



AMCON NA, Inc.
24418 S. Main Street, Unit 404
Carson, CA 90745
1-866-638-0980
volute@amcon-na.com
www.amcon-na.com
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Headquarters(Japan)