

# PRODUCT DATA SHEET



## Septage Receiving Station (SSBot)

water | wastewater | sewage

### OVERVIEW

The Septage Receiving Station (SSBot) is a compact unit designed to provide pre-treatment screening of tankered septage or other liquid waste prior to entering wastewater treatment plants. The SSBot inlet is fitted with a quick-connect camlock attachment and an electro-mechanical valve. The wastewater discharged directly from the tanker is filtered by a screen basket and screw that removes the solids. Screenings are washed; drained and compacted prior to being discharged into a bin or bagged by an optional Longopac automatic bagging system. Hard wearing nylon brushes are fixed to the screw for continuous self-cleaning of the screen basket. Hinged covers allow easy inspection and servicing.



### FEATURES & ADVANTAGES

- Low operating costs and maintenance
- Compact machine & small footprint
- Simple Installation
- Low residual content of organic matter
- Up to 40% reduction in volume & weight of screenings

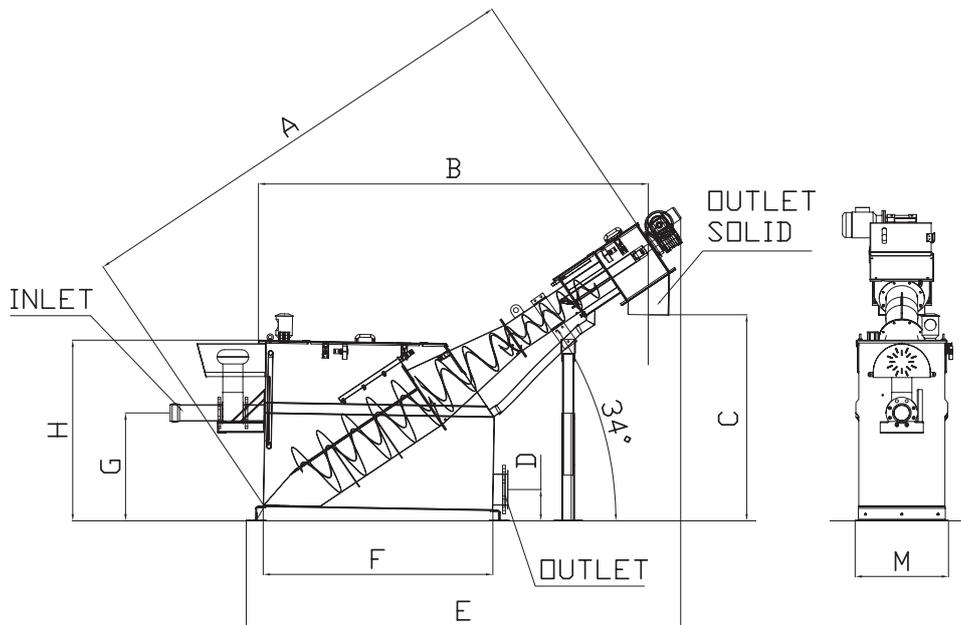
### STANDARD SPECIFICATIONS

Parameter		Units	SSBot-50	SSBot-75	SSBot-100
Treatment capacity* <sup>1</sup>		m <sup>3</sup> /h	50	75	100
Dimensions	A	mm	3500	4000	4510
	B		2800	3290	3650
	C		1500	1750	1950
	D		220	220	220
	E		3050	3750	4050
	F		1600	1750	2000
	G		758	957	1140
	H		1280	1440	1600
	M		680	810	856
Inlet connection* <sup>2</sup>		DIN	DN 100	DN 100	DN 100
Outlet flange size* <sup>3</sup>			DN 200	DN 200	DN 200
Wash water @ 3 bar		L/min	31	44	
Installed motor power, 3ph, 50hz	Screen drive	kW	0.75	0.75	1.1
Screw gear reducer speed		rpm	11	9	9
Empty weight (standard length)		kg	630	780	1000

1. Nominal flow rate

2. Inlet connection is Perrot or camlock fast coupling joint with electrically actuated 2 way ball valve

3. Flange is stainless steel lap joint type, PN16, according to AS4087



## STANDARD INCLUSIONS + OPTIONS

Equipment		Standard Supply	Optional Supply
Screw screen installed in tank	Screen element	3mm or 6mm rounded holes	✓
		Custom options on special request	-
	Integrated screenings compaction (can be deleted as an option)	✓	-
	Screen basket cleaning, bolted nylon brushes	✓	-
	PE breathing valve on screen tank	✓	-
	PVC pipe for returning liquid from compaction zone	✓	-
	Squared outlet spout	✓	-
	Bolted screenings compaction system cover	✓	-
	Lifting eyebolts	✓	-
	Nord drive with compact motor gearbox and cover guards	✓	-
Machine carpentry, inlet connection, outlet flange, drive guard and wear bars for screw. All bolts A4 (316SS)	SS304L	✓	-
	SS316L	-	○
Screw	High carbon steel painted	✓	-
	SS304L	-	○
	SS316L	-	○
Washing systems	Compaction zone with 1/2" manual valve	✓	-
	Sieve basket with 1" manual valve	✓	-
	Tank with 1" manual valve	✓	-
	Transport tube with 1" manual valve	-	○
Automatic Longopac bagging system for screenings with 1x80m long bag		-	○
Overflow outlet (flanged)		-	○
Odour extraction port (flanged)		-	○
Drive motor premium efficiency, IP66		✓	-
Surface treatments *1		✓	-

1. Stainless steel parts: stripping with acid solution, passivation with glass particles, final surfaces cleaning with anti-dust oil. Carbon steel parts: sandblasting SA 2.5 for external anti-rust paint RAL 5015

Instrumentation & Controls		Standard Supply	Optional Supply
Safety limit switches for screen tank and compaction zone opening hatches		✓	-
Ball valve with electric actuator, Multi-voltage 24V AC/DC, 27 sec operating time (can be deleted as option)		✓	-
Screen tank level sensor	Conductive probe	✓	-
	Ultrasonic or hydrostatic	-	○
Solenoid valves for washing systems 24VDC		-	○
Mechanical overload protection (backlash free-ball model)		-	○
Control panel to AS/NZS 3000, 316SS enclosure with inner door, IP56 for outdoor installation, touch screen interface, supplied loose, field wiring between control panel and equipment by others		-	○



## MODEL SELECTION

- 50** Capacity – nominal 50 m<sup>3</sup>/h
- 75** Capacity – nominal 75 m<sup>3</sup>/h
- 100** Capacity – nominal 100 m<sup>3</sup>/h

**4** Machine carpentry, flanges, drive guard, wear bars for screw in 304L SS (standard)

**6** Machine carpentry, flanges, drive guard, wear bars for screw in SS316L

**3** Screen element, rounded holes, 3 mm

**6** Screen element, rounded holes, 6 mm

**X** Screw in high-carbon steel HCS (standard)

**4** Screw in 304L SS

**6** Screw in 316L SS

**X** Solenoid valves for washing systems, without (standard)

**S** Solenoid valves for washing systems

**X** Control panel, without (standard)

**C** Control panel, included

**X** Specification, standard

**C** Specification, custom

SSBot - - - - -

**NEED A QUOTE?**

COMPLETE THIS TABLE  
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[sales@makwater.com.au](mailto:sales@makwater.com.au)

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