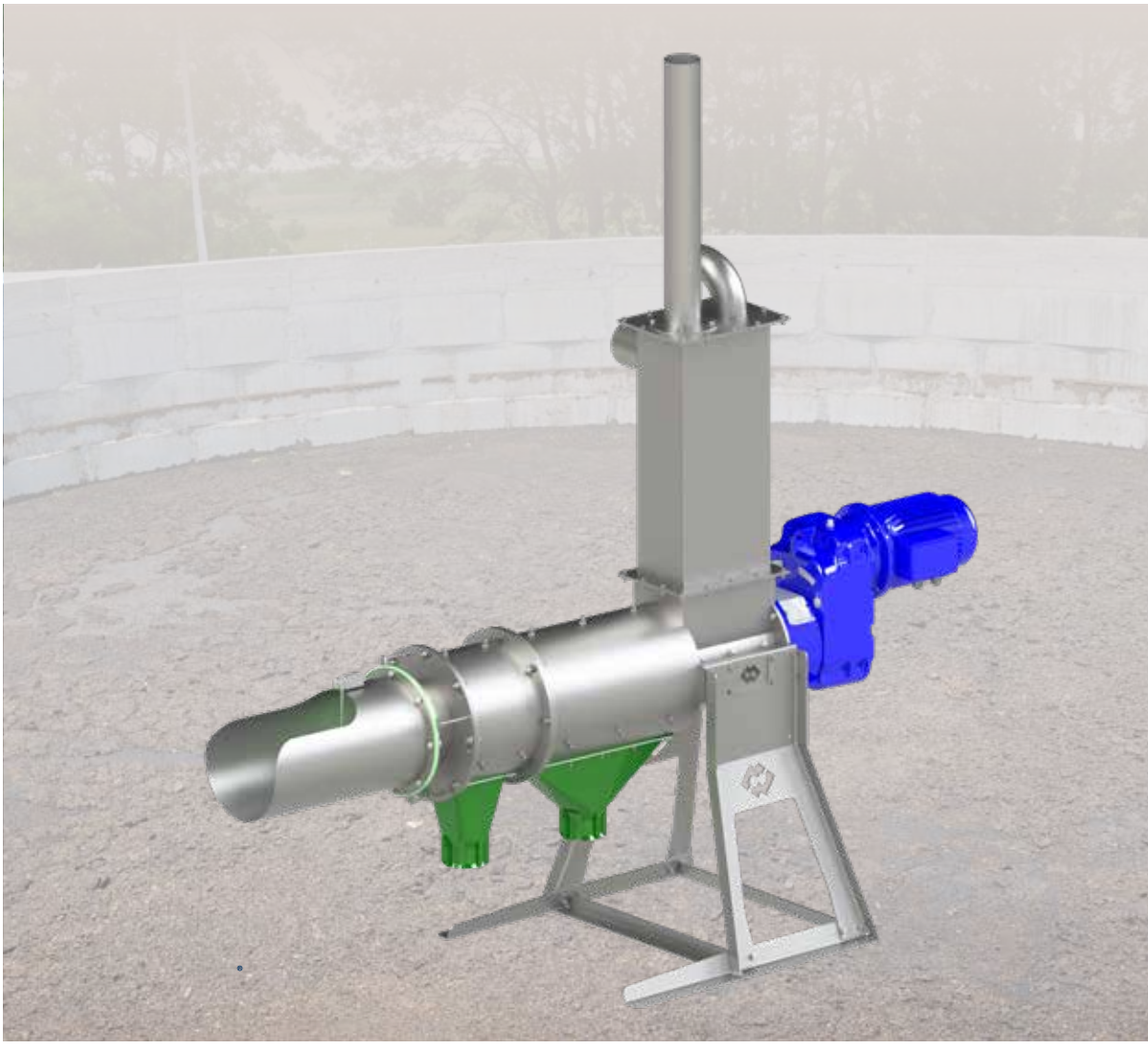
LIVESTOCK FARMING & BIOGAS

SEPCOM® Horizontal Biogas

Screw Press Separators for digestate



SAVECO®

SEPCOM® Horizontal Biogas
Screw press separators
for digestate

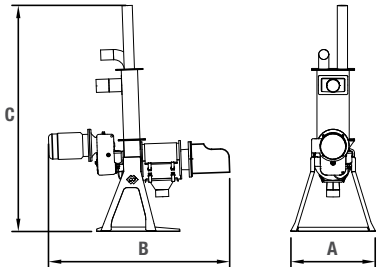
HIGH SOLIDS CONTENT IN SEPARATED SOLID PHASE

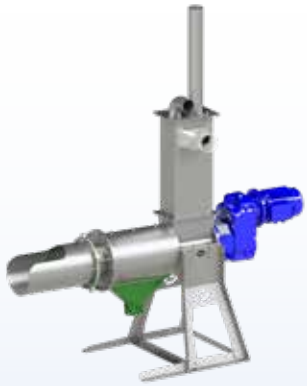
SEPCOM® Horizontal Biogas is a solids-liquid separator based on screw conveyor technology. The machine separates by both gravity and mechanical compression and is designed to separate the liquid phase from the solid phase in a wide range of materials. Applications include sludge, sewage, manure, digestate, vegetable and fruit processing waste and any solid-liquid mixtures, even where the liquid content within the solids may differ considerably.

SEPCOM® Horizontal Biogas is particularly specialised for biogas digestate treatment. The separated solid phase and liquid phase produced can then be handled easily and cheaply.

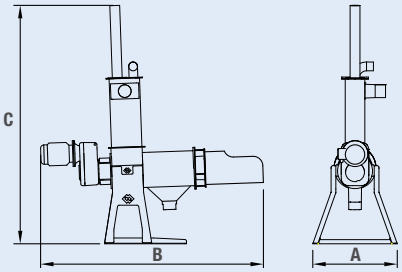
Technical Data

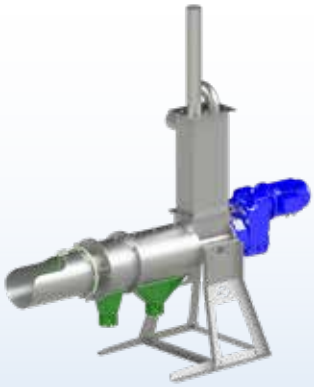
SEPCOM® Horizontal Biogas
H1-150-2



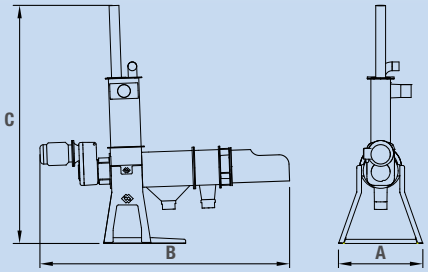


SEPCOM® Horizontal Biogas
H1-260-2





SEPCOM® Horizontal Biogas
H1-260-3



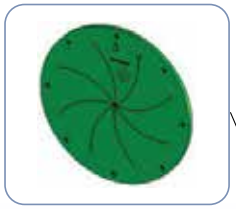
MODEL	Diameter (mm)	Dimensions (mm)			Drive Power (kW)	Weight (kg)
		A	B	C		
H1-150-2	150	660	1,420	1,800	2.2	137
H1-260-2	260	980	2,530	2,770	4	485
H1-260-3	260	980	2,830	2,770	5.5	535

Benefits

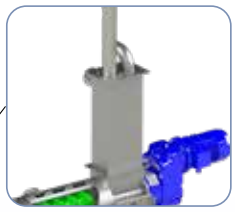
- ✓ **Different screen spacings for optimal separation efficiency**
- ✓ **The self-adjusting counterpressure diaphragm made of SINT™**
- ✓ **Easy maintenance thanks to modular design**
- ✓ **Rugged stainless steel housing, for long-lasting use**

Technical Features

- Stainless-steel housing
- IE3 Premium Efficiency electric motor
- 3-phase, 4-pole, insulation class F electric motor
- FPM mechanical seals

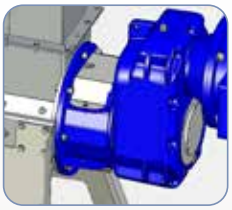


SINT™ outlet diaphragm, available in different back-pressure resistances.



Hopper with overflow forms a stable head over the separator, without requiring the calibration of any sensor.

Accessory: Rod sensor controls the plug and prevents any plug leakage.



Gear reducer output flange keeps mechanical components clear from material intake area.

Plug shelf increases the back pressure against the diaphragm performing a higher Dry Matter for separated solid.

Stainless-steel wedge wire screen is available in different mesh width, ensuring effective capture of the solid particles.

Stainless-steel screw or modular SINT™ EC engineering polymer screw adapt the machine to the specific application.

Accessories

- Rod sensor
- Large hopper
- Level switch

Application

Biogas

Throughput Range in m³/h and performance*

TYPE	input Dry Matter %	SCREEN MESH WIDTH (mm)			
		0.25	0.50	0.75	0.90
H1-150-2	1-3	4-7	6-10	7-12	9-15
	4-6	2-3	3-5	4-5	4-6
	7-9	1-2	2-3	3-4	4-5
	10-12	1-2	1-2	2-3	3-4
H1-260-2	1-3	10-25	16-35	20-40	25-45
	4-6	7-12	10-18	12-20	14-20
	7-9	4-5	6-8	8-10	9-12
	10-12	2-3	3-6	6-7	6-8
H1-260-3	1-3	15-40	20-50	30-60	35-65
	4-6	10-20	12-25	18-28	20-30
	7-9	6-7	9-12	12-15	13-18
	10-12	3-4	4-9	7-10	9-12

Output Dry Matter for separated solid: up to 30%

Output Dry Matter for separated liquid: less than 5%

* Values measured in standard operating conditions. Results may differ depending on type of material treated, fiber content and viscosity. Information and illustrations are not binding.

SAVECO®

UNI EN ISO 9001 Certified Company

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