PROCÉDÉS
WASTEWATER SCREENS

WASH PRESS
Type PROPRESS

For screening rejects



TECHNICAL SPECIFICATIONS

	PP 150	PP 200	PP 300
Max. Flow	0,5 m^3/h	1 m^3/h	1,5 m^3/h
Reduction in Waste Volume	Up to 70%		
Dryness	> than 40%		
Total weight (excluding gooseneck)	330 kg	400 kg	650 kg
Material	304L ou 316L		
Archimedes screw material	S235 steel		
Overall length (excluding gooseneck)	1950 mm	2250 mm	2400 mm

- Reduction of waste volume and weight for disposal
- Compatible with our range of bar screens ans screw conveyors
- Reduction of waste disposal costs
- Return of organic matter to the treatment process
- Odor nuisance reduction
- Designed and manufactured in France







1 SPRAY/COMPACTION UNIT

	PP 150	PP 200	PP 300
Strainer	Oblong holes 55 x 3mm / 20% open area		
Compression	Through a gooseneck		
Manal valve	3/4" F/F		
Electro-valve	3		
Washing	Nozzles		
Strainer rinsing	Spray lances		
Washing flow rate at 4 bars	4 L / min		

2 CONVEYOR AREA

Length	Custom built		
Archimedes screw diameter	150 mm	200 mm	300 mm
Flat section (mm x mm)	50 x 10	70 x 10	100 x 10 (conveying zone) 100 x 20 (compacting zone)
Wear strip	HD500		

3 INTAKE HOPPER
Custom built

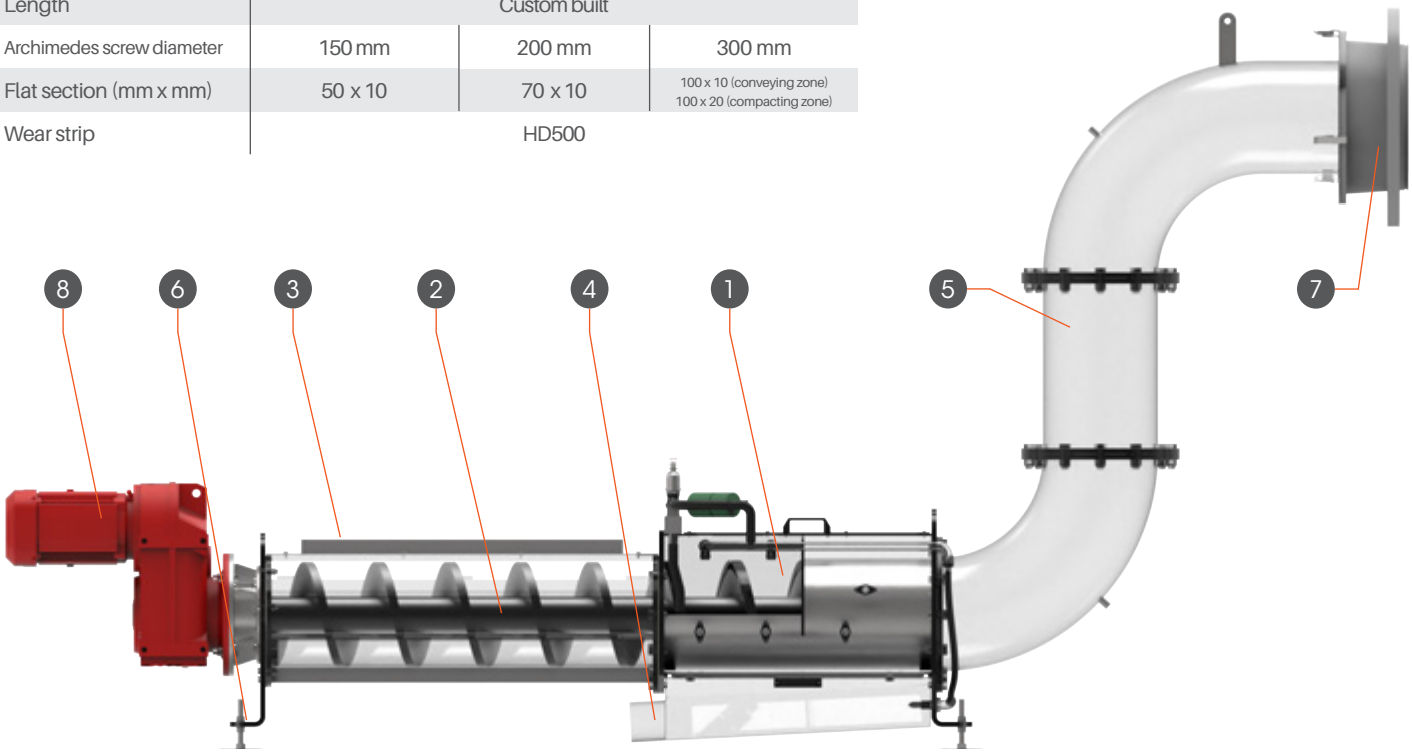
4 FILTRATE OUTPUT
DN 65

5 GOOSENECK
Made of 304L or 316L stainless steel

6 ADJUSTABLE LEGS

7 AUTOMATIC BAGGING SYSTEM (OPTION)

8 GEARED MOTOR (SEW)
Power : 1,1 kW (150) / 2,2 kW (200) / 4 kW (300)



OPERATING PRINCIPLE

The washer press has two functions: washing the screening rejects (separation of organic matter) and compacting the waste (removal of liquids and volume reduction).

The screening rejects are dumped into the conveying zone. An Archimedes screw transports them to the washing zone where they are sprayed under pressure. The organic matter breaks down and is then evacuated through a screen to the filtrate outlet.

Next, the waste arrives in the compacting zone. Compaction is achieved by the pressure of the waste pushed by the Archimedes screw and the counter-pressure exerted by the waste plug formed in the «gooseneck.» The liquids are thus evacuated through the screen, which is cleaned by a second rinsing system. A receptacle positioned under the press collects the press liquids and wash water to direct them to the filtrate outlet. An evacuation nozzle, placed at the end of the receptacle, prevents any sedimentation or blockage of the filtrate outlet.

Gradually, the waste rises through the «gooseneck» to come out washed, reduced, and dried.

OPTIONS

Automatic bagger with 80-meter plastic bag refill, frost protection for the washing/compacting chamber and the gooseneck, ATEX certification, adaptation chute between the screen and the press feed trough (with safety sensor on inspection hatch), control electrical cabinet (and stainless steel support if needed), stainless steel cover to protect the waste bin from rain, etc.

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