# L&W Pulp Disintegrator Lorentzen & Wettre Products | Pulp Measurements

L&W Pulp Disintegrator conforms to industry standards for pulp disintegration. The pulp container is made of stainless steel for durability and ease of cleaning and the ergonomic design ensures that the instrument is easy and safe to use. For example, the unit will not start unless the container is properly placed.

The instrument is applicable to most kind of pulps (including recycled pulp) before analysis of fibre properties, sheet forming or testing of hand sheets.

# Easy to use

L&W Pulp Disintegrator consists of two parts; the upper part which can be moved vertically, and that houses all vital parts, for example the motor, the shaft with propeller, the counter, and start/stop buttons. Movement of the upper part is facilitated by an electric motor. Before mixing, thanks to the automatic lift, only a button push is necessary to put the pulp container in operating position, and when mixing is done it will open automatically. This means easy and ergonomic use – no heavy lifting for laboratory people. The lower stable part of the instrument, supports the upper part and here the pulp container is placed and fixed.

The propeller shaft is direct driven (electric motor) which means less noise, less parts, and less maintenance. An optical sensor records the rotation and gives pulses to the pre-set electronic counter every 10th turn of the propeller.

# Disintegration according to standards

Pulp samples are disintegrated according to standards – disintegration of a pulp sample is the mechanical treatment in water, of interlaced fibres, to separate them from one another. The fibres that were free in the pulp stock are again separated without considerably changing their structural properties.

L&W Pulp Disintegrator is used for pulp sample preparation – when testing according to standard is important. It is suitable for disintegration of pulps before analysis in for example L&W Fiber Tester and L&W Pulp Tester. The inherent properties of the pulp are not affected by the treatment, thanks to the design of the propeller blades that do not cut or otherwise alter the pulp fibres.



The pulp container features spiral vanes in accordance with industry standards and is made of 18/8 stainless steel. The instrument meets all demands for electrical and mechanical safety. For example, the unit will not start unless the driving equipment and the container are properly placed.

# **Benefits**

- Ergonomic electrical lift
- Double interlock system ensures safe operation
- Direct drive less parts and less noise
- Spill proof opening
- Waterproof controls, sealed bearings and enclosed motor
- Conforms to industry standards
- Minimum of maintenance





The instrument closes automatically when the START button is pressed...



...and opens when STOP is pressed. For personal safety, mixing will start only if the equipment is properly placed.

For more information, please contact:

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## **Technical specifications**

#### L&W Pulp Disintegrator - code 260

Design	The stand is made of cast aluminium that has been
	anodised and painted. The propeller and propeller
	shaft are made of stainless, acid-proof steel.
Disintegrator container	The container is made of acid-proof steel and holds
	approximately 3 litres.
Water tightness	The disintegrator and control switch may be flushed
	with water from above. But the disintegrator should
	not be flushed with water from below or behind.
Preset counter	This counter shows every tenth propeller revolution;
	30 000 propeller revolutions is shown as 3000 revo-
	lutions on the preset counter.
Connections	Refer to supply voltage sticker on the back of the
	disintegrator.

#### Installation requirements

0.5 kW
100–240 VAC, 50–60 Hz
The control voltage to the buttons, relays,
lamps and revolution-counter board in the
instrument is 24 V, DC.
0.2 x 0.5 x 0.4 m (9 x 19 x 15")
0.2m <sup>3</sup>



