

DELFIN · II 1/2D EX H TB IIIC T80°C(INT)/T95°C(EXT) DA/DB

# Delfin MTL 202 1/2D LP



The MTL 202 1/2D LP is an ATEX-certified Longopac vacuum for Zone 21 with a large star/pocket filter (30,000 cm<sup>2</sup>) and manual cleaning by shaking. The single-phase brushless motor at 115/230 V handles extended running times, and the powder-coated conductive hopper ensures ESD-safe handling of combustible dust. Ideal for process-adjacent cleaning and bag-filling stations in pharmaceutical or chemical production, where the operator must not be exposed to the dust.

## APPLICATIONS

- Process-adjacent dust collection in Zone 21 with large or continuous dust volumes
- Pharmaceutical or chemical production where contact risk must be eliminated
- Bag-filling stations and powder handling with frequent bag changes
- Production lines with continuous duty where downtime for bag changes must be minimized
- Hazardous combustible dust requiring closed handling in a classified zone

# Technical specifications

<b>ATEX marking</b>	II 1/2D Ex h tb IIIC T80°C(Int)/T95°C(ext) Da/Db
<b>Internal / external zone</b>	20 / 21
<b>Motor type</b>	1 brushless-motor (1,1 kW)
<b>Airflow</b>	215 m³/h
<b>Vacuum</b>	221 mbar (2250 mmH <sub>2</sub> O)
<b>Container</b>	20 L
<b>Sound pressure</b>	74 dB(A)
<b>Filter class</b>	H class
<b>Filter type</b>	HEPA H14 (EN 1822), 99,995 % MPPS, 26.000 cm²
<b>Primary filter</b>	Stjerne/taskefilter polyester ANT M-klasse antistatisk, 30.000 cm², Ø 500 mm -- manuel rystning
<b>Collection system</b>	Longopac
<b>Material</b>	AISI 304
<b>IP class</b>	IP64
<b>Power</b>	1.1 kW
<b>Current</b>	8 A
<b>Voltage</b>	115/230 V / 50-60 Hz
<b>Inlet</b>	Diameter 80 mm
<b>Dimensions (L x W x H)</b>	800 x 660 x 1570 mm
<b>Weight</b>	70 kg

# Questions and answers

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## What is the difference between the MTL 202 1/2D LP and MTL 202 ACD LP?

The MTL 202 1/2D LP is ATEX-certified for Zone 21 and has a brushless motor, star/pocket filter with manual cleaning, and an 80 mm suction inlet. The MTL 202 ACD LP is ACD-certified (non-ATEX) with two bypass motors, cartridge filter with Dustop, and a 50 mm suction inlet. Choose 1/2D LP if the area is classified as Zone 21 or stricter; choose ACD LP if the area is not ATEX-classified but the dust is combustible.

## Why a star/pocket filter rather than a cartridge?

The star/pocket filter has a larger total filter area (30,000 cm<sup>2</sup>, star diameter 500 mm) than a cartridge filter and a lower air load per filter area (120 m<sup>3</sup>/m<sup>2</sup>/h). It suits tasks with large dust volumes over longer periods without filter blockage. Cleaning is done manually by shaking the filter with a handle -- simple and robust with no need for compressed-air systems.

## What is Longopac?

Longopac is a continuous bag system where a long, folded bag hangs in the container. When the bag is full, it is sealed and cut off without opening the container -- the operator does not come into direct contact with the content. This model has 20 metres of bag and a powder-coated conductive hopper for ESD-safe operation in ATEX-classified zones.

## Why 115/230 V and what is the power?

The brushless motor is built for both 115 V and 230 V with the same motor, making the model international. Power is 1.1 kW / 8 A, airflow 215 m<sup>3</sup>/h and vacuum 2,250 mmH<sub>2</sub>O -- matching the MTL 201 1/2D, with the addition of a large filter area and Longopac handling.

# Contact and advisory

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