

DELFIN · II 1/3D EX H TB IIIC T80°C(INT)/T95°C(EXT) DA/DC

# Delfin MTL 801 BP



The MTL 801 BP is a wet & dry vacuum certified for ATEX Zone 22 (external) and Zone 20 (internal), built for industrial environments where both combustible dust and non-flammable liquids must be collected in the same workflow. The single-phase bypass motor drives a polyester bag filter (5,000 cm<sup>2</sup>) for dry dust and a dedicated PPL filter for liquid pickup -- combined with HEPA H14, the model ensures fine dust does not return to the work area even when operating in a classified zone.

## APPLICATIONS

- Metalworking in Zone 22 with both chips and coolant spills
- Food and pharmaceutical production with combined dry and wet cleaning in classified zones
- Chemical production areas with occasional spills of non-flammable liquids plus combustible dust
- Cleanup after powder-coating processes where wash-out may require wet vacuuming
- Battery and electronics production in Zone 22 with electrolyte spills and fine dust

# Technical specifications

<b>ATEX marking</b>	II 1/3D Ex h tb IIIC T80°C(Int)/T95°C(ext) Da/Dc
<b>Internal / external zone</b>	20 / 22
<b>Motor type</b>	1 bypass-motor (1,1 kW)
<b>Airflow</b>	180 m <sup>3</sup> /h
<b>Vacuum</b>	245 mbar (2500 mmH <sub>2</sub> O)
<b>Container</b>	80 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, 11.000 cm <sup>2</sup>
<b>Primary filter</b>	Sækfilter polyester ANT M-klasse antistatisk, 5.000 cm <sup>2</sup> , Ø 420 mm + separat PPL-filter til væsker
<b>Collection system</b>	Plastic bag
<b>Material</b>	AISI 304
<b>IP class</b>	IP64
<b>Power</b>	1.1 kW
<b>Current</b>	8 A
<b>Voltage</b>	230 V / 50-60 Hz
<b>Inlet</b>	Diameter 80 mm
<b>Dimensions (L x W x H)</b>	550 x 630 x 1260 mm
<b>Weight</b>	42 kg

# Questions and answers

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## What does the II 1/3D marking mean on a wet & dry model?

"II" means surface installation, "1/3" indicates the internal category (Zone 20 -- continuous dust atmosphere in the container) and external category (Zone 22 -- rare/short dust atmosphere in the surroundings), and "D" stands for dust. EPL Da/Dc confirms high protection internally and sufficient protection externally. The digits 1 and 3 have nothing to do with gas -- the wet & dry function does not change this ATEX reading.

## Can it handle flammable liquids?

No. The II 1/3D marking covers dust atmospheres (D), not gas atmospheres (G). Liquids collected must be non-flammable -- water, coolant, non-combustible process liquids. Flammable liquids require a model marked for gas zones (II 2GD, II 3GD or similar) from our ATEX Combi range.

## How does it switch between wet and dry operation?

The model has a polyester ANT M bag filter (5,000 cm<sup>2</sup>, Ø 420 mm) for dry dust and a separate PPL filter for liquid pickup. When switching, the container must be emptied, the relevant filter fitted, and the secondary HEPA H14 filter checked. The procedure is described in the user manual -- the correct filter choice is critical for ATEX compliance.

## Why an 80-litre container?

Wet & dry tasks typically create larger volumes of collected material per run than dry dust alone, because liquids are heavier and fill volume faster. The 80-litre container allows longer uninterrupted operation between emptyings -- especially useful for post-shift cleanup or spill control, where the task cannot be paused every five minutes.

# Contact and advisory

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## PARTICULAIR

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