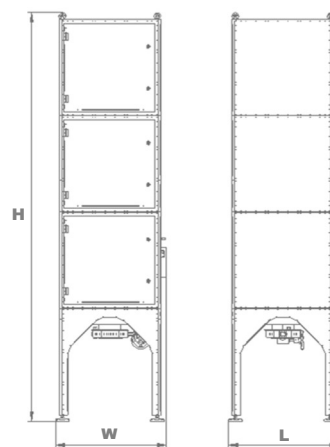


Wet separation

Y45910

DUSTOMAT HYDRO 2500



Technical data (Technical data and drawings may vary depending on the selected model. Refer to the rating plate for the applicable values)

Mains voltage	400 V	Sound pressure level [at rated speed]*	[dBA] 70
Nominal power	3 kW	Water connection	3/4"
Nominal current	50 Hz	Water drainage	6"
Mains frequency	5.8 A	Water content	125 Liter
Circuit breaker	C16	Weight	305 kg
Max. negative pressure	2,500 Pa	Intake opening	Ø 180
Max. volume flow	2,500 m³/h	Dimensions (L x W x H)**	850 x 850 x 3,120 mm

*The noise levels listed may vary during exhaust mode operation

**Dimensions without control cabinet

Application Range

- » Extraction of, for example, metallic dust (steel, stainless steel, aluminium, titanium)
- » Single or multi-station extraction
- » Ideal solution for heavy flying sparks

Design

- » Stationary design
- » Housing material: Steel (S235JR) or stainless steel (V2A)
- » Material of parts in contact with the media: Stainless steel (V2A)

Options

- » Exhaust air or recirculation operation
- » Intake port position right or left
- » Sludge discharge via a 150 mm discharge flap with a handwheel or via a 2" ball valve for easy removal of the separated material
- » Accessory discharge system: Discharge into a container with or without casters
- » Control cabinet is assembled or unassembled
- » With potential contact (ON/OFF), operation, or fault,
- » Monitoring functions: Operating message, Volumetric flow measurement, Fill level monitoring & automatic filling, Maintenance & operating hours counter, Safety filter monitoring
- » ATEX-Marking: Dust inside II 3D Ex h IIC T125°C Dc X and Gas inside II 3G Ex nA IIC T3 Gc X

Special Features

- » With two large access panels for quick and easy cleaning of the interior
- » Access to all filter stages via maintenance doors for easy inspection, including a quick-change solution for convenient installation and removal of individual filter elements
- » Filter stage 1: Particle separation via an innovative wash chamber with an exceptionally high separation efficiency of 98.7%, even for the smallest particle fractions of $\geq 15 \mu\text{m}$
- » Filter stage 2: Downstream droplet separator, which reduces the residual moisture in the exhaust air to a minimum
- » Filter stage 3: With metal mesh, prefilter (M5) filter class according to ISO 16890: ISO ePM10 65% or prefilter (F9), filter class according to ISO 16890: ISO ePM1 80%
- » Filter stage 4: With a post-filter (F9) filter class according to ISO 16890: ISO ePM1 80%, or a post-filter (H14) filter class according to ISO 29463: ISO 45 H (separation efficiency $\geq 99.995\%$)

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