



HJL CART

DUST & DRY SMOKE EXTRACTION

**Cartridge filter for
high dust loads**

The HJL CART filters are made of S275JR steel in thicknesses suited to working with medium-high dust loads for external installation and continuous operation.

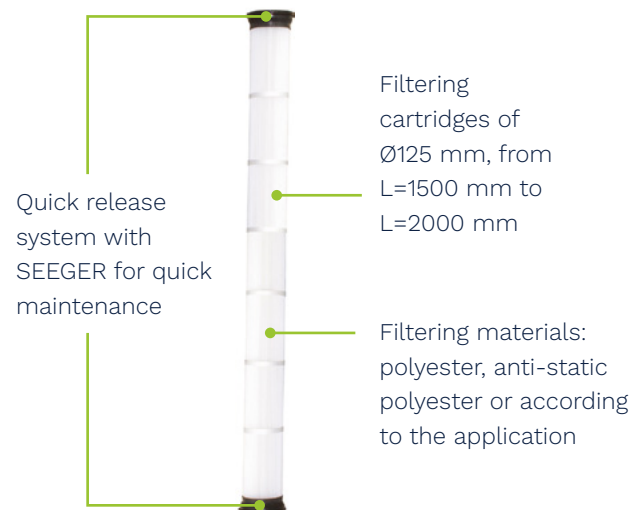
The Ø125mm filtering cartridges, available in lengths varying from 1500 mm to 2000 mm, are equipped with a SEEGER fastening system. The fibre fused for the cartridge is selected based on the application, while the cartridges can be removed from the walkable filter roof.

The HJL CART filters are equipped with a counter-current Pulse-Jet compressed air cleaning system. This is mainly made up by a compressed air tank, PED certified according to the 2014/68/EU standard, equipped with pre-wired full immersion membrane valve with BUS management system and electronic control unit installed on the filter for automatic cleaning based on when the bags are clogged.

The cartridge filter dust discharge system is made up by a screw conveyor at the bottom of the hopper, and a sealed rotary valve to unload in Big-Bags.

Optional:

- Electrical panel with start & stop or variable frequency drive
- Other cartridge filtering media on demand
- Absoluted final filter
- Fans
- Silencers
- DP led
- Automatic discharging system (screw conveyor and rotary valve)



Advantages

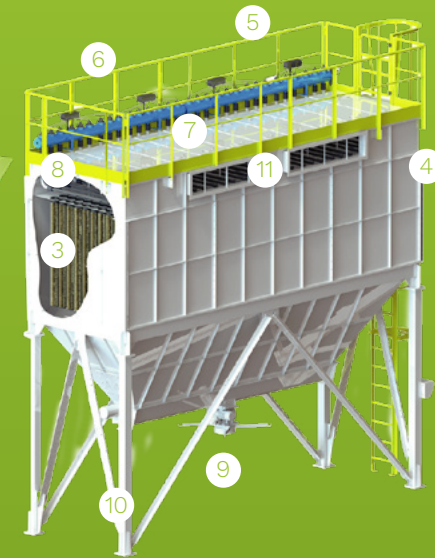
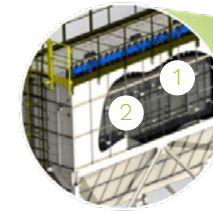
- Extensive filtering cartridges duration
- Reduced maintenance, thanks to an efficient compressed air backwash system (Pulse-Jet)
- High efficiency: Emissions $\leq 5\text{mg}/\text{Nm}^{3*}$
- Low pressure drops in operation with minimal consumption of compressed air and electricity
- Sturdy and totally retentive construction to guarantee safe and reliable operation over time
- Technical assistance and aftersales service
- Available Atex version II 3D T155

*Other emissions reachable on request



Applications

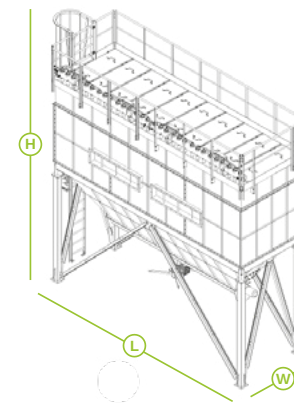
- Sandblasting
- Deburring
- Welding fumes
- Grinding
- Chemical processing
- Epoxy painting
- Pharmaceutical processing
- Plastic material processing
- Cement
- Handling of dusty materials



Technical Specifications

HJL CART RANGE

HF Code	CARTRIDGES	AIRFLOW	FILTERING SURFACE	DISCHARGING SYSTEM	CONNECTIONS [mm]		DIMENSIONS [mm]		
	N°	[m³/h]	[m²]	Typology	In	Out	L	W	H
HJL.CART20-6V	60	12000 - 17000	294	Rotary valve	1 x 400 x 700	1 x 400 x 700	2220	2200	7700
HJL.CART20-9V	90	18000 - 26000	441	Rotary valve	1 x 400 x 1000	1 x 400 x 1000	2980	2200	7700
HJL.CART20-12V	120	25000 - 35000	588	Screw conveyor+Rotary valve	2 x 400 x 700	2 x 400 x 700	3640	2200	7700
HJL.CART20-15V	150	31000 - 44000	735	Screw conveyor+Rotary valve	2 x 400 x 1000	2 x 400 x 1000	4300	2200	7700
HJL.CART20-18V	180	37000 - 53000	882	Screw conveyor+Rotary valve	3 x 400 x 700	3 x 400 x 700	4960	2200	7700
HJL.CART20-21V	210	43000 - 62000	1029	Screw conveyor+Rotary valve	3 x 400 x 1000	3 x 400 x 1000	5620	2200	7700
HJL.CART20-24V	240	50000 - 70000	1176	Screw conveyor+Rotary valve	4 x 400 x 700	4 x 400 x 700	6280	2200	7700
HJL.CART20-27V	270	56000 - 79000	1323	Screw conveyor+Rotary valve	4 x 400 x 1000	4 x 400 x 1000	6940	2200	7700
HJL.CART20-30V	300	62000 - 88000	1470	Screw conveyor+Rotary valve	5 x 400 x 700	5 x 400 x 700	7600	2200	7700
HJL.CART20-33V	300	68000 - 97000	1617	Screw conveyor+Rotary valve	5 x 400 x 1000	5 x 400 x 1000	8260	2200	7700



- 1 Inlet flange
- 2 Prechamber
- 3 Filterings cartridges
- 4 Plenum
- 5 Air tank
- 6 Electrovalves
- 7 Cartridges inspection door
- 8 Blowing pipes
- 9 Screw conveyor and rotary valve
- 10 Filter structure
- 11 Outlet flange

NB: other HJL CART configurations are customised on request

Extraction range



CleanMist
Oil mist centrifugal filters



Mist compact
Oil mist filters



MCOS
Coalescent filters



Dust & dry smoke
Extraction filter range



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