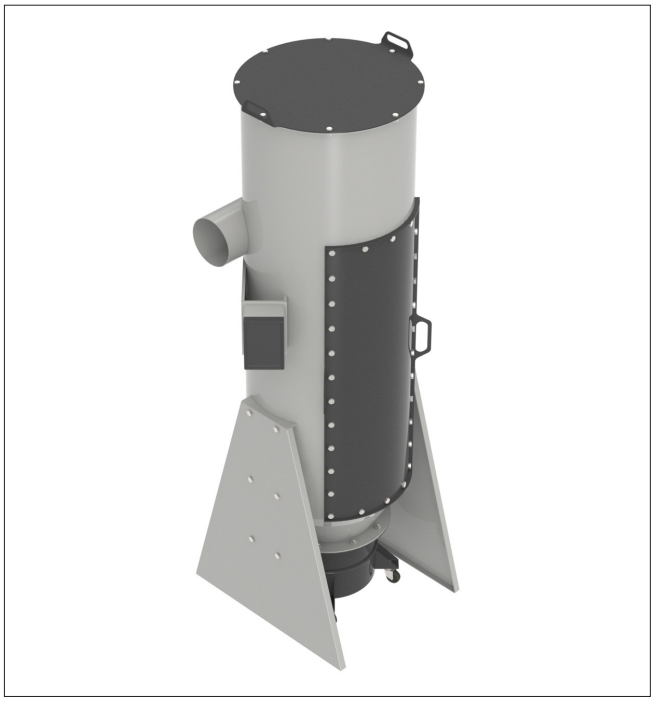
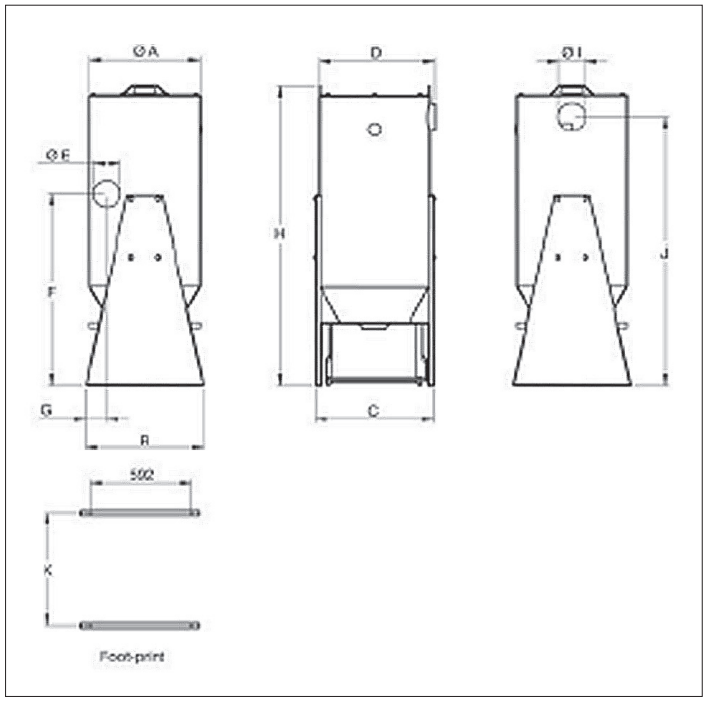
CCJF Compact cartridge cyclo-filters





CCJF Compact cartridge cyclo-filters :
Compact compressed-air cleaned filter unit with ECO-S control for filtration of welding smoke, grinding dust, cutting smoke and dusty air containing metal, rock, plastic etc. or from handling various powder mixes.

Advantages :
- Efficient cleaning for the price
  Complete and simple unit with differential pressure- control. Inlet with downflow, preseparation by cyclone effect as well as optimized filter cleaning ensure lower differential pressure above the filter cartridge. Hereby longer operating times with fewer shutdowns are obtained.
- Simple mounting, connection and operation
  Filter unit is delivered fully assembled, is raised and connected. Drawn cable with plug and compressed-air supply hose make installation and connection easy. Filters are easily replaced from unit top. Quicklock-adjustable dust container on 4 turnable wheels ensures user-friendly dust container service.

Available in ATEX versions for zone 21 or 22 with certificates

Description :
- Polluted air is led into unit through tangential inlet in loaded air chamber top. Ensuring downflow and pre-separation by cyclonic effect, contributing to load reduction on the filter media itself.
- Air is filtered through vertical filter cartridge with internal filter core, which optimizes cleaning effect.
- Differential pressure-controlled filter cleaning by integrated compressed-air system with pressure tank and jet valve.
- Clean air is led out through connection above in unit side.
- Dust is collected in dust container in unit bottom. Quick-lock adjustable dust container system suspended in ø400 mm system flange.

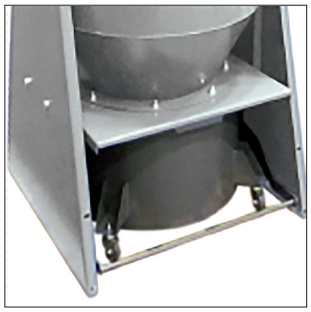
Construction :
Filter unit type CCJF is constructed according to :
- Machine directive 2006/42/EU
- EMC-directive 2014/30/EU
- Directive 2014/68/EU about pressure equipment
- Low voltage directive 2014/35/EU
- Harmonized standards :
  EN 13854, EN 4414, EN 12100, EN 60204-1, EN ISO 13857
- Further standards: ISO 3746



Control
The filter cleaning is done by integrated controller with Delta P in the middle of the unit.



Access door
Easy visual inspection of filter and cartidge repalcement through the inspection door.



Dust bucket
Dust bucket on wheels in metal with quick-lock system for easy use. The dust container can be equipped with a plastic bag.



High-vacuum models
Reinforced construction CCJF-V & CCJF-HV for high vacuum installations (option).

CCJF Compact cartridge cyclo-filters

Technical data :

Type	FIlter area (m^2)	# of cartridges	Cartridge size	Comp. air (l/min.)*	Delta start/stop (Pa)	# dust bucket	weight (kg)
CCJF 13	13	1	325 x 660	3	200/2000	1 x 70 L	120
CCJF 26	26	1	325 x 1320	3	200/2000	1 x 70 L	150

* with integrated Delta P control at 5.5 Bar

Dimensions :

Type	ØA (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	ØI (mm)	ØJ (mm)	ØK (mm)
CCJF 13	650	718	696	731	160	1118	103	1793	160	1573	662
CCJF 26	650	714	696	741	200	1778	123	2453	200	2213	662

Filter media :
Standard filter cartridge ø325 mm. Length 660/1320 mm.

Model	Type	Material	Application
G102	Standard	Polyester flake	Dry not-static loaded or hygroscopic dust particles > 0.2 µm
G105	Optional	Cellulose/Polyester	Welding/soldering
G107	Optional	Cellulose/Polyester nano	Smoke and soot particles
G113	Optional	Polyester flake with PFPT-coating, antistatic	Static-loaded or hygroscopic particles
G115A	Optional	Polyester flake with teflon membrane	Finer dust sorts, e.g. cutting smoke from plasma, flame and laser cutting
G116A	Optional	Polyester flake with teflon membrane, antistatic	Finer static-loaded dust sorts

The filters meet demands for extraction degree for dust class M according to DIN EN 60335-2-69 Appendix AA (extraction degree > 99.9%).

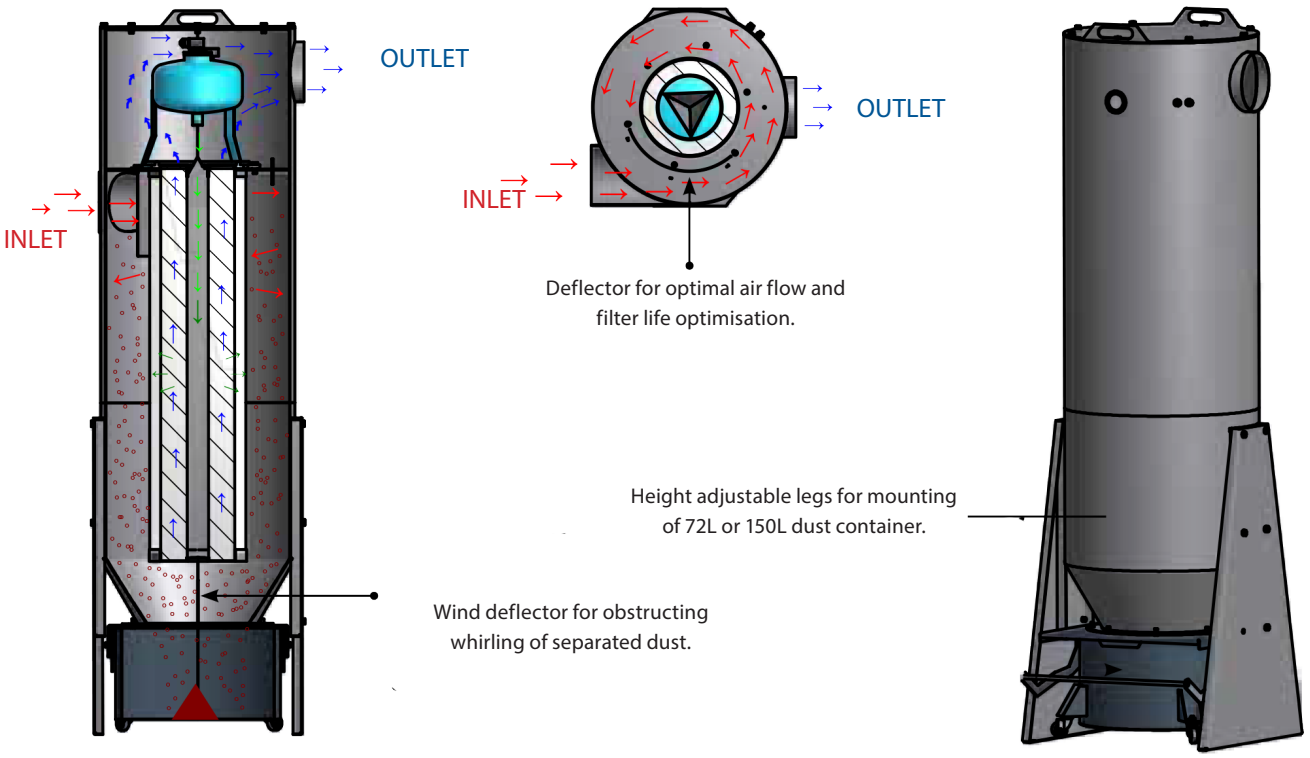


High pressure fan
The filter can be operated by side channel blower or high pressure fan.

The workload of the filter is established in function of the air volume, type of dust and the volume of waste to be treated and should be approved by Formula Air.

CCJF Compact cartridge cyclo-filters

Working principle of CJF / CJF-V / CJF-HV units :



Options:

- Hot-galvanized, enamelled steel plates for outdoor mounting
- Mirrored connections on inlet/outlet
- Backdraft damper type KTR for piping placement
- Sack holder for 70/67L dust container
- 145/148L dust container with sack holder (height increased by 330 mm)
- Underframe and connections for bulk bag and drop pipe for customer specific containers
- ½"-water separator with manometer and pressure reducing valve
- Temperature sensor type RT101 as well as alarm device
- Precoat unit type PCA
- Precoat 11.5 kg in sack
- High vacuum (CCJF-V) and very high vacuum (CCJF-HV) executions available with flanged connections
- Explosion-protected/-reliefed version for installation in ATEX-zones

Supply :

- Differential pressure control type ECO-S with automatic after-cleaning 230V AC (constant).
- Compressed-air: 5.5 - 6.0 bar dry compressed-air by cejn-coupling with 10 mm hose nipple.
- Differential pressure displayed in digital display.
- 1"-jet valve connected to central compressed-air tank in clean air chamber.

Available versions :

CCJF with standard side mounted inlet and outlet

Air volume :	Up to 4400 m^3/h
Vacuum :	Up to 5000 Pa
Filter area :	13 to 42 m^2

CCJF-V for high vacuum application

Air volume :	Up to 4400 m^3/h
Vacuum :	Up to 40000 Pa
Filter area :	13 to 42 m^2

CCJF-HV for very high vacuum application

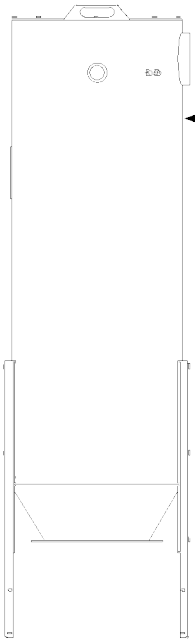
Air volume :	Up to 4400 m^3/h
Vacuum :	Up to 80000 Pa
Filter area :	13 to 42 m^2

Surface :

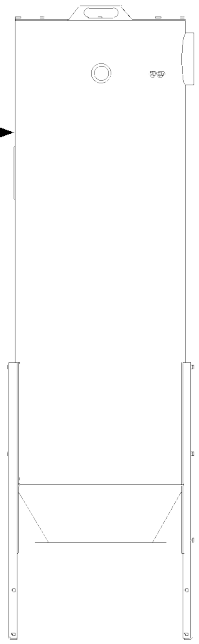
The filter cabinet is made in 2mm black steel plate.
Surface powder enamelled RAL 5007/7011.

CCJF Compact cartridge cyclo-filters

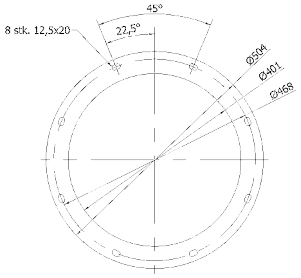
Overview of accessories for compact cyclo-filter type CCJF / CCJF-V :



Cyclo-filter type CCJF



Flange connection
(4mm thick)



Sliding damper connection



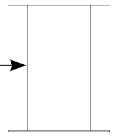
Sliding damper



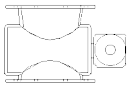
Connection to rotary valve



intermediate pipe

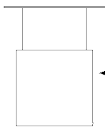


rotary valve chamber

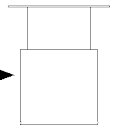


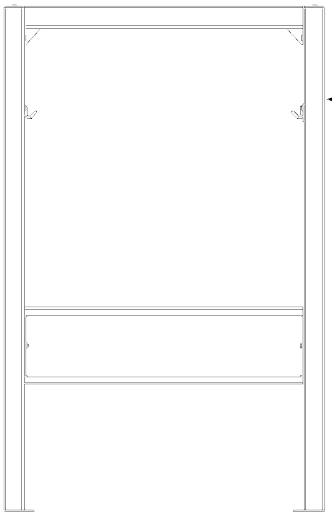
Sliding damper





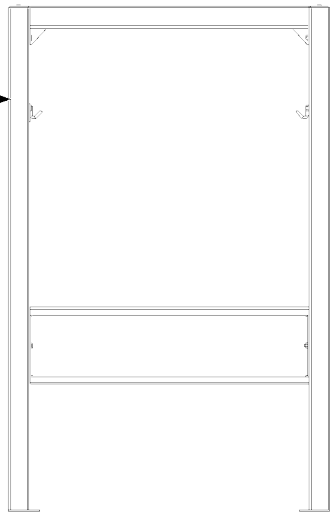
Connection to bulk bag
incl. false air inlet OR drop
pipe for customer specific
container excl. false air inlet





Underframe open or
safety-enclosed version for
suspension of bulk bag or
insertion of customer specific
container.

Free height beneath outlet to
bulk bag/customer specific
container:
1150mm



FA.T09.FILTERS.2026.NSV5.0.EN