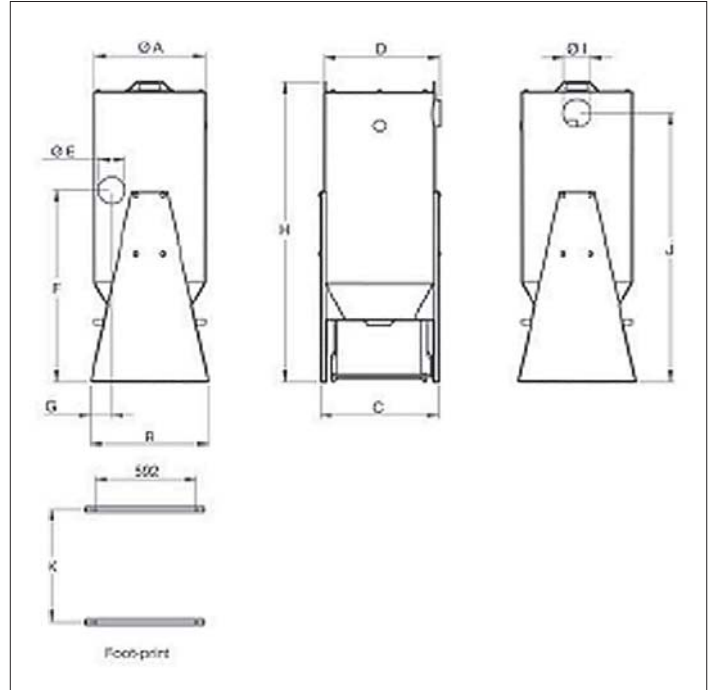


CCJF Compact cartridge cyclo-filters



CCJF Compact cartridge cyclo-filters :

Compact compressed-air cleaned filter unit with timer 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 timer control. Inlet with downflow, pre-separation 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.
- Timer-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 $\varnothing 400$ 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 349, EN 4414, EN 12100, EN 60204-1, EN ISO 13857
- Further standards: ISO 3746



Cleaning

The filter cleaning is adjusted by timer controller depending on the needs and uses of the filter.



Easy filter replacement

performed by bayonet suspension, which is loosened from clean air chamber and inserted into sack.



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.



Access door

Easy visual inspection of filter cartridges and cyclonic chamber through the inspection door. (option)

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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 72 L	120
CCJF 26	26	1	325 x 1320	3	200/2000	1 x 72 L	150
CCJF 52	52	2	325 x 1320	3	200/2000	1 x 72 L	190

* with integrated timer 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	698	696	680	120	1154	103	1793	160	1609	660
CCJF 26	650	698	696	680	200	1814	123	2453	200	2249	660
CCJF 52	950	698	696	680	315	2019	158	2613	315	2448	960

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.



Reinforced construction for high vacuum

CCJF-V can be used at pressure up to 40,000 Pa.



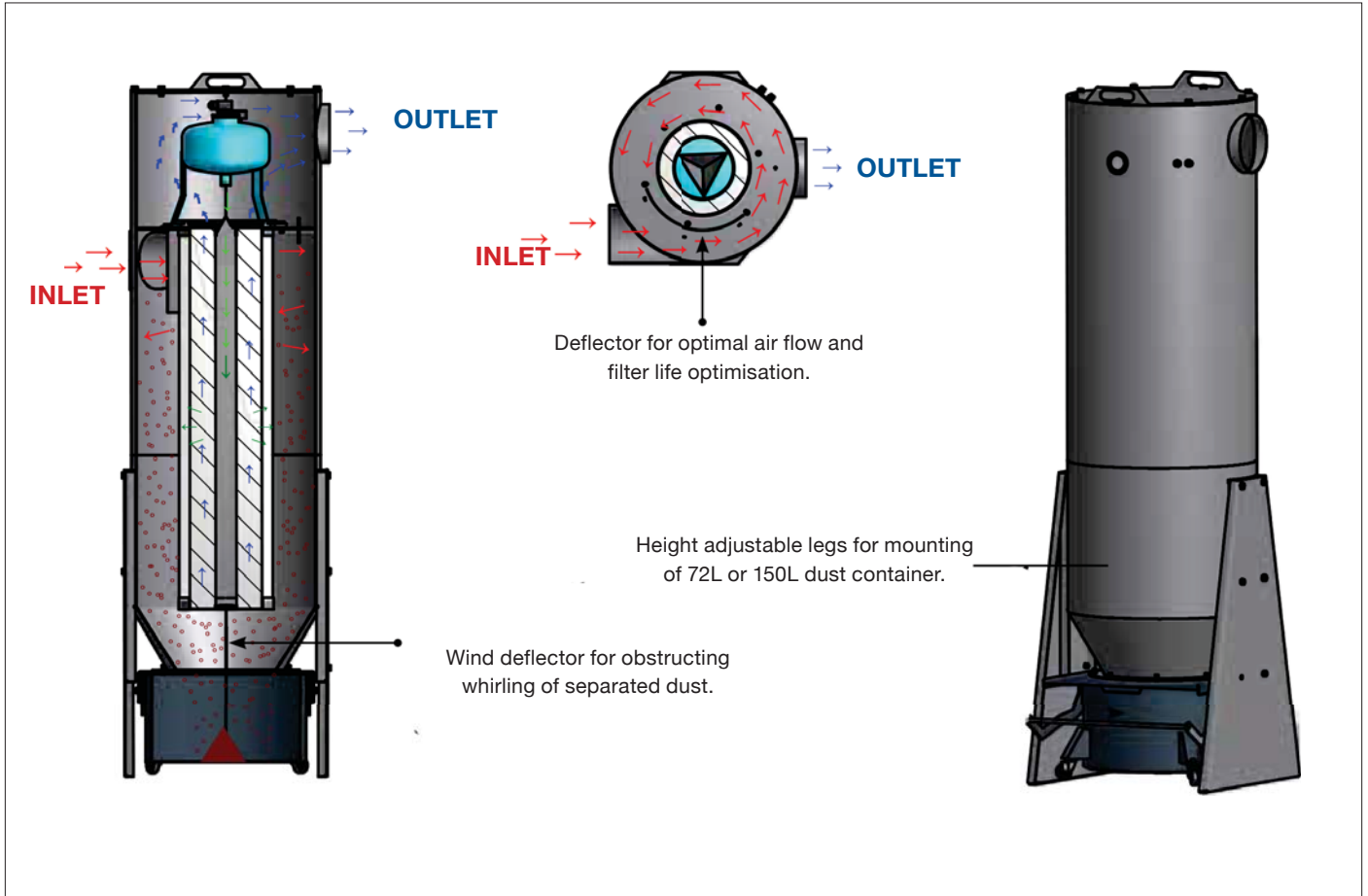
The workload of the filter is established in function of the air volume, type of dust and the volume of waste to be treated and should be approved by Formula Air.



Cyclo-filter type CCJF 26 with filter replacement from the side.

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
- Outlet in top lid
- Filter replacement from unit side
- Filter control type ECO-S, Delta P with automatic after-cleaning
- Backdraft damper type KTR for piping placement
- Sack holder for 72L dust container
- 150L dust container with sack holder (height increased by 330 mm)
- Underframe and connections for bulk bag and drop pipe for customer specific containers
- 1/2"-water separator with manometer and pressure reducing valve
- Temperature sensor type RT101 as well as alarm devices
- Leak detector type DTC/TC 30
- Precoat unit type PCA
- Precoat 11.5 kg in sack
- Explosion-protected/-relieved version for installation in ATEX-zones

Supply :

- Type TC1-timer control without automatic after-cleaning. 230V AC. Should be connected with delayed disconnection in relation to fan stop to obtain after-cleaning.
- Compressed-air: 5.5 - 6.0 bar dry compressed-air. Unit equipped with ø8 mm pneumatic hose.
- Differential pressure displayed in integrated manometer.
- 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 52 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 52 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 :

