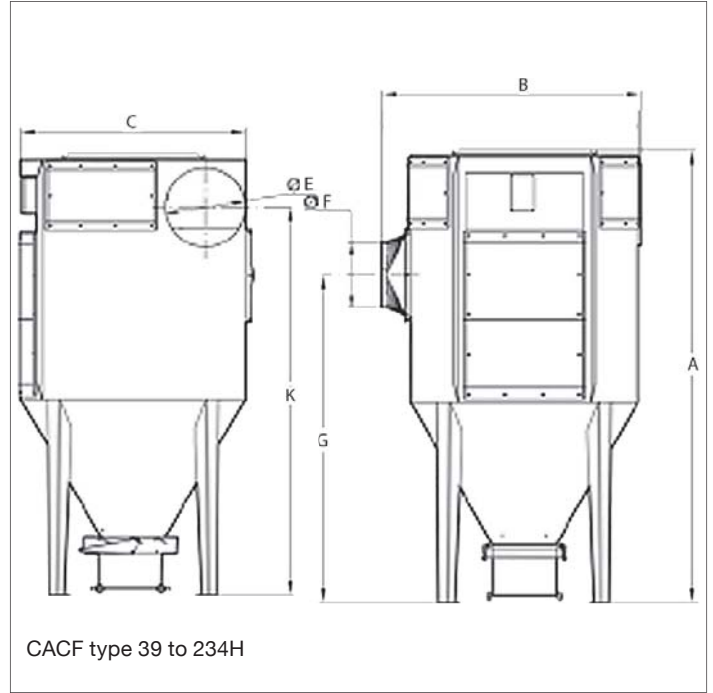


CACF cartridge cyclo-filters



CACF type 39 to 234H

Description CACF cartridge cyclo-filter :

The CACF cyclofilters range offer optimal and economical solutions to most industrial applications for fine dusts from welding smoke, grinding dusts, cutting smoke and dusty air containing metal, rocks, plastics, or various powder mixes.

Air volume :	2000 up to 40000 m ³ /h
Vacuum :	Up to 40000 Pa
Filter area :	39 to 756 m ²

Advantages :

- Integrated conception with complete equipment. Air tank, jet valves and controller are integrated in the filter with no exterior prominence
- Low operation costs and longer operating time with fewer shutdowns

! Available in ATEX versions for zone 21 or 22 with certificates

Details :

- High efficiency cyclone filter
- Differential pressure controlled compressed air cleaning
- Compressed air connection situated outside at the front
- Digital differential pressure display with delta P
- Pressure tank with manometer built into cabinet
- Filter media: polyester, cellulose, antistatic or not, with or without PTFE coating. To be determined in function of dust to be treated
- High performance cyclonic pre-separator increases filter life
- Easy service access by front doors
- Dust container with quick-lock system or rotary valve version.

Options:

- Adaptation for rotary valve
- Leg extension for bulk bags (Big-Bag)
- Fan built-on.

Supply :

Controller : 230 V AC
Compressed air : 6 bar dry – unit equipped with Cejn hose nipples Ø10 mm.



Service

The air tank and controls are embedded in the unit top (with no exterior prominence).



Access door

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



Dust bucket

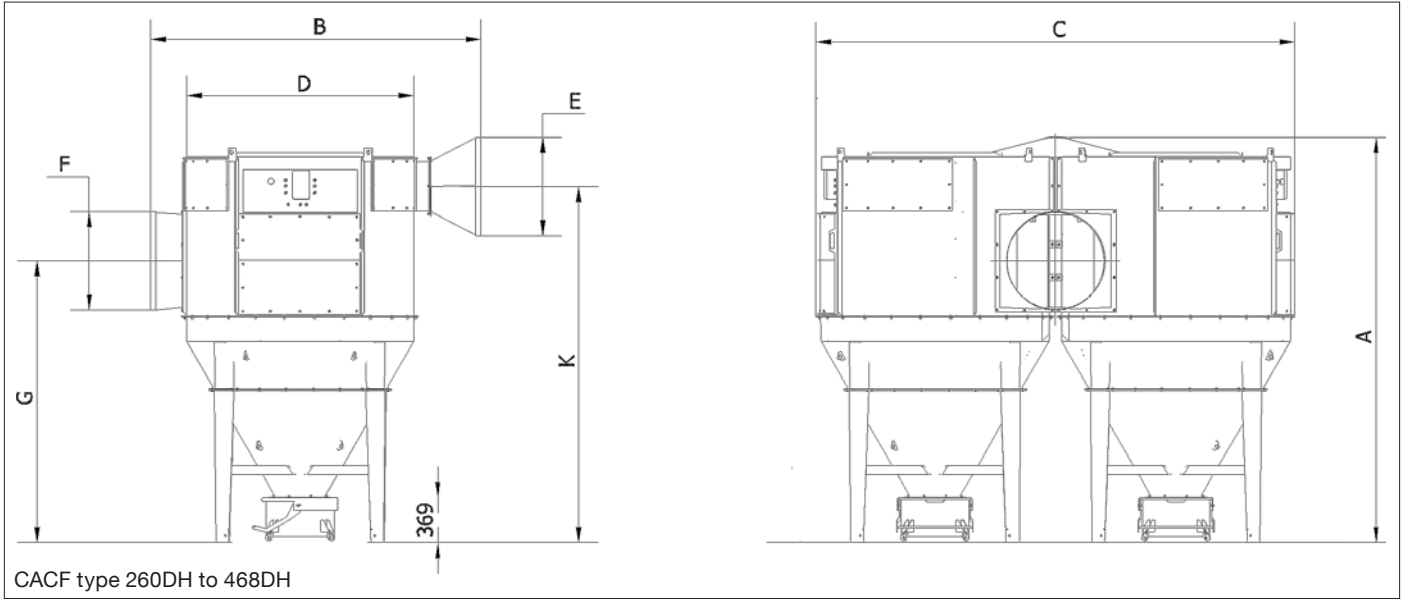
Dust bucket on wheels in metal with quick-lock system for easy use. The dust container can be equipped with a plastic bag.



Service bar grating

As of model CACF078H, a bar grating is welded in hopper as tread plate (can be delivered without bar grating and wind deflector upon request).

CACF cartridge cyclo-filters



Technical data CACF (max. 5000 Pa) :

Type	Max. volume (m ³ /h)	# of cartridges	Cartridge size	# of valves	Filter area G112 (m ²)	Filter area G105 (m ²)	Comp. air (l/min.)	# dust bucket	Weight (kg)
CACF 39	3120	3	325 x 660	3	39	63	30	1 x 72 L	332
CACF 52	4160	4	325 x 660	4	52	84	30	1 x 72 L	352
CACF 52H	5200	2	325 x 1320	2	52	84	30	1 x 72 L	308
CACF 78H	6240	3	325 x 1320	3	78	126	30	1 x 72 L	400
CACF 104H	8320	4	325 x 1320	4	104	168	30	1 x 72 L	474
CACF 130H	10400	5	325 x 1320	5	130	210	30	1 x 72 L	561
CACF 182H	14560	7	325 x 1320	7	182	294	30	1 x 72 L	746
CACF 234H	18720	9	325 x 1320	9	234	378	30	1 x 72 L	859
CACF 260DH	20800	10	325 x 1320	10	260	420	60	2 x 72 L	1150
CACF 364DH	29120	14	325 x 1320	14	364	588	60	2 x 72 L	1498
CACF 468DH	37440	18	325 x 1320	18	468	756	60	2 x 72 L	1720

Dimensions CACF :

Type	A (mm)	ØB (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	K (mm)
CACF 39	2270	1158	1200	1251	200	200	1622	2052
CACF 52	2449	1454	1400	1441	250	250	1776	2156
CACF 52H	2551	1158	1100	1143	315	315	1845	2275
CACF 78H	2632	1258	1200	1253	400	400	1888	2318
CACF 104H	2813	1583	1400	1479	500	500	2010	2441
CACF 130H	2941	1768	1550	1690	500	500	2090	2475
CACF 182H	3217	2560	1850	2006	630	630	2294	2902
CACF 234H	3352	2635	2000	2156	630	630	2429	3037
CACF 260DH	2974	2231	3280	1550	800	630	2090	2574
CACF 364DH	3300	2681	3885	1850	800	800	2294	2900
CACF 468DH	3535	2762	4184	2000	1000	800	2429	3035

Dimensions CACF-V (with dust bucket 67 L) :

Type	A (mm)	ØB (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	K (mm)
CACF V 52H	2552	1158	1100	1157	250	250	1845	2275
CACF V 78H	2632	1258	1200	1269	400	400	1882	2312
CACF V 104H	2813	1585	1400	1513	500	400	2010	2441
CACF V 130H	2947	2947	1550	1723	500	500	2090	2574

CACF cartridge cyclo-filters

Accessories :

- Large volume dust container (150 L)
- ½" water separator with manometer and pressure reducing valve
- Fan built-on
- Galvanized version, powder coated version
- Rotary valve version
- Leg extension for bulk bags
- Special filter medias
- Pre-coating system
- Precoat 11.5 kg in bag

Construction :

Filter unit type CACF 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

Available versions :

CACF with standard side mounted inlet and outlet

- Air volume : Up to 40000 m³/h
- Vacuum : Up to 5000 Pa
- Filter area : 39 - 756 m²

CACFT with side mounted inlet and outlet in top (for built-on fan)

- Air volume : Up to 40000 m³/h
- Vacuum : Up to 5000 Pa
- Filter area : 39 - 756 m²

CACFV for high vacuum application

- Air volume : Up to 20000 m³/h
- Vacuum : Up to 40000 Pa
- Filter area : 39 - 210 m²

Surface :

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

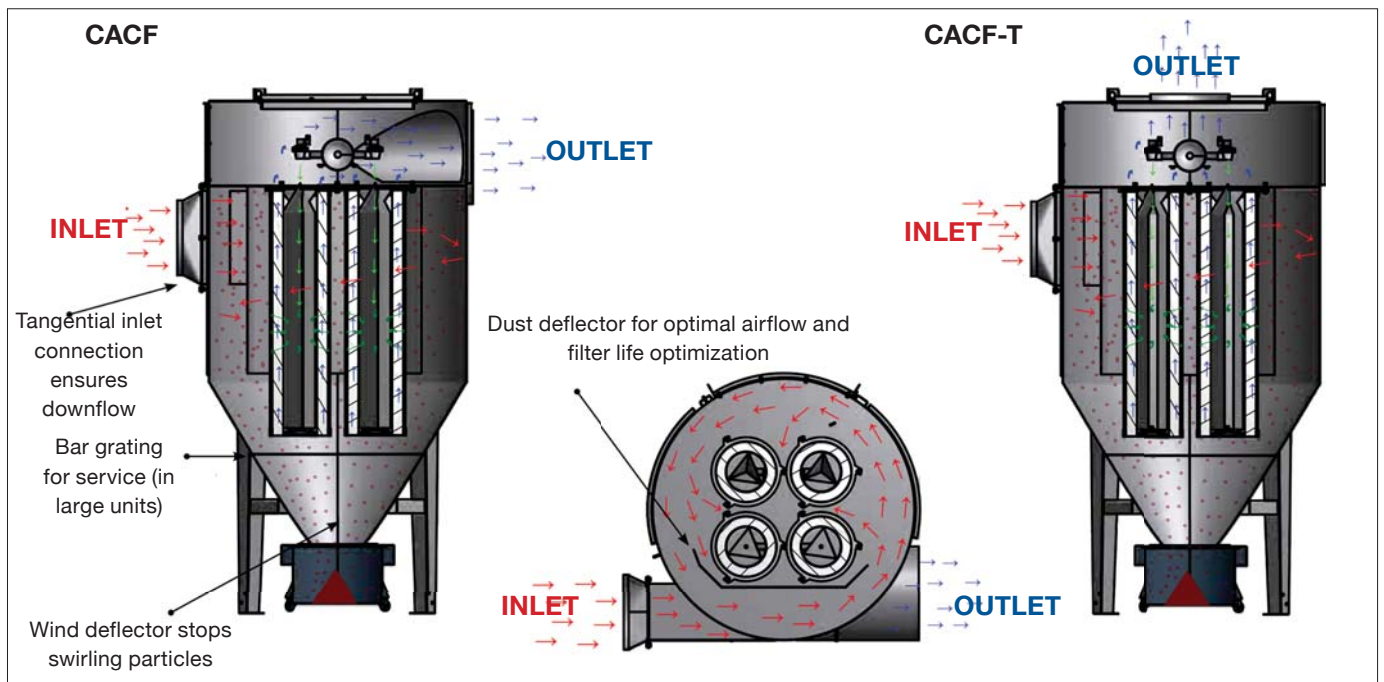
Filter media :

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%).

Working principle of CACF and CACF-T units :



CACF cartridge cyclo-filters

Overview of accessories for cyclone filter type CACF / CACF-T / CACF-V:

