



USE

- Filtration of dust and fumes in the ceramic, food, rubber, cement factories, mining industry, feed mills, chemical industry, modeling industries
- Operations of storage, handling, pneumatic transport, mixing, weighing and packaging of powdery materials
- Sanding, sandblasting, grinding, edging and cutting operations on non-sparking metals
- Operations of melting of metallic and other materials
- Operations of combustion of solid material and waste
- Industrial operations with large quantities of dust to be removed
- Painting operations with powder products

FEATURES

- Standard version in 2 and 3 mm galvanized sheet
- Standard version with 170 liter dust collection bin
- Available with discharge with screw and rotary valve (optional)
- Available with discharge on several hoppers, rotary valve and collection bins to avoid the typical problems of the augers (optional)
- High efficiency bags and cartridges filtration
- Automatic counter-current compressed air cleaning
- Simple maintenance: the bags are easily accessible allowing quick replacement

STANDARD SUPPLY

- Automatic compressed air cleaning (with timer)
- 170 liter dust collection bin
- Ladder and upper parapet for access to the bags

RESTRICTIONS

- Not suitable for explosive or flammable dusts, hygroscopic dusts, dusts with humidity > 5%
- Not suitable for mechanical machining of grinding and deburring on metals that produce sparks

TECHNICAL DATA

MODEL	FILTER ELEMENTS n	MODULES	FILTERING SURFACE m ²	HOPPERS n	WEIGHT Kg	MEASURES (A x B x C) mm
POWER JET WITH CARTRIDGES [Ø 325 mm x ht 1.000 mm]						
PJ111/C5/3/10	5	1 x mod. 12-12	80	1	1350	1300 x 1300 x 5200
PJ111/C6/3/10	6	1 x mod. 12-12	96	1	1360	1300 x 1300 x 5200
PJ111/C7/3/10	7	1 x mod. 12-12	112	1	1370	1300 x 1300 x 5200
PJ111/C8/3/10	8	1 x mod. 12-12	128	1	1380	1300 x 1300 x 5200
PJ111/C9/3/10	9	1 x mod. 12-12	144	1	1390	1300 x 1300 x 5200
PJ121/C10/3/10	10	1 x mod. 12-24	160	1	2550	2600 x 1300 x 5900
PJ121/C11/3/10	11	1 x mod. 12-24	176	1	2560	2600 x 1300 x 5900
PJ121/C12/3/10	12	1 x mod. 12-24	192	1	2570	2600 x 1300 x 5900
PJ121/C13/3/10	13	1 x mod. 12-24	208	1	2580	2600 x 1300 x 5900
PJ121/C14/3/10	14	1 x mod. 12-24	224	1	2590	2600 x 1300 x 5900
PJ121/C15/3/10	15	1 x mod. 12-24	240	1	2600	2600 x 1300 x 5900
PJ121/C16/3/10	16	1 x mod. 12-24	256	1	2610	2600 x 1300 x 5900
PJ121/C17/3/10	17	1 x mod. 12-24	272	1	2620	2600 x 1300 x 5900
PJ121/C18/3/10	18	1 x mod. 12-24	288	1	2630	2600 x 1300 x 5900
PJ221/C20/3/10	20	1 x mod. 24-24	320	1	3000	2500 x 2500 x 5900
PJ221/C22/3/10	22	1 x mod. 24-24	352	1	3020	2500 x 2500 x 5900
PJ221/C24/3/10	24	1 x mod. 24-24	384	1	3040	2500 x 2500 x 5900
PJ221/C27/3/10	27	1 x mod. 24-24	432	1	3070	2500 x 2500 x 5900
PJ221/C30/3/10	30	1 x mod. 24-24	480	1	3100	2500 x 2500 x 5900
PJ221/C33/3/10	33	1 x mod. 24-24	528	1	3130	2500 x 2500 x 5900
PJ221/C36/3/10	36	1 x mod. 24-24	576	1	3160	2500 x 2500 x 5900

TECHNICAL DATA

MODEL	FILTER ELEMENTS n	MODULES	FILTERING SURFACE m ²	HOPPERS n	WEIGHT Kg	MEASURES (A x B x C) mm
POWER JET WITH CARTRIDGES [Ø 325 mm x ht 660 mm]						
PJ111/C5/3/6	5	1 x mod. 12-12	102	1	1350	1300 x 1300 x 5200
PJ111/C6/3/6	6	1 x mod. 12-12	123	1	1360	1300 x 1300 x 5200
PJ111/C7/3/6	7	1 x mod. 12-12	143	1	1370	1300 x 1300 x 5200
PJ111/C8/3/6	8	1 x mod. 12-12	164	1	1380	1300 x 1300 x 5200
PJ111/C9/3/6	9	1 x mod. 12-12	184	1	1390	1300 x 1300 x 5200
PJ121/C10/3/6	10	1 x mod. 12-24	205	1	2550	2600 x 1300 x 5900
PJ121/C11/3/6	11	1 x mod. 12-24	225	1	2560	2600 x 1300 x 5900
PJ121/C12/3/6	12	1 x mod. 12-24	246	1	2570	2600 x 1300 x 5900
PJ121/C13/3/6	13	1 x mod. 12-24	266	1	2580	2600 x 1300 x 5900
PJ121/C14/3/6	14	1 x mod. 12-24	287	1	2590	2600 x 1300 x 5900
PJ121/C15/3/6	15	1 x mod. 12-24	307	1	2600	2600 x 1300 x 5900
PJ121/C16/3/6	16	1 x mod. 12-24	328	1	2610	2600 x 1300 x 5900
PJ121/C17/3/6	17	1 x mod. 12-24	348	1	2620	2600 x 1300 x 5900
PJ121/C18/3/6	18	1 x mod. 12-24	369	1	2630	2600 x 1300 x 5900
PJ221/C20/3/6	20	1 x mod. 24-24	410	1	3000	2500 x 2500 x 5900
PJ221/C22/3/6	22	1 x mod. 24-24	451	1	3020	2500 x 2500 x 5900
PJ221/C24/3/6	24	1 x mod. 24-24	492	1	3040	2500 x 2500 x 5900
PJ221/C27/3/6	27	1 x mod. 24-24	553	1	3070	2500 x 2500 x 5900
PJ221/C30/3/6	30	1 x mod. 24-24	615	1	3100	2500 x 2500 x 5900
PJ221/C33/3/6	33	1 x mod. 24-24	676	1	3130	2500 x 2500 x 5900
PJ221/C36/3/6	36	1 x mod. 24-24	738	1	3160	2500 x 2500 x 5900

TECHNICAL DATA

MODEL	FILTER ELEMENTS n	MODULES	FILTERING SURFACE m ²	HOPPERS n	WEIGHT Kg	MEASURES (A x B x C) mm
POWER JET WITH BAGS [Ø 125 mm x ht 2.500 mm]						
PJ111/36M/1/25	36	1 x mod. 12-12	36	1	1725	1300 x 1300 x 6200
PJ121/72M/1/25	72	1 x mod. 12-24	72	1	2850	2600 x 1300 x 6900
PJ221/108M/1/25	108	1 x mod. 24-24	108	1	3675	2500 x 2500 x 6900
PJ221/144M/1/25	144	1 x mod. 24-24	144	1	4000	2500 x 2500 x 6900
PJ222/180M/1/25	180	2 x mod. 24-24	180	2	6000	5000 x 2500 x 6900
PJ222/216M/1/25	216	2 x mod. 24-24	216	2	6250	5000 x 2500 x 6900
PJ222/252M/1/25	252	2 x mod. 24-24	252	2	6500	5000 x 2500 x 6900
PJ222/288M/1/25	288	2 x mod. 24-24	288	2	7000	5000 x 2500 x 6900

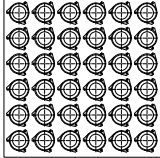
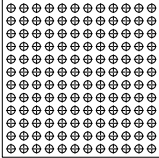
OPTIONAL

- Atex 22 version
- Antistatic cartridges (for Power Jet C)
- Antistatic sleeves (for Power Jet M)
- Stainless steel construction
- Execution with rotary valve discharge
- Execution with screw discharge and rotary valve
- Execution with discharge on several hoppers
- Flooding systems with water
- Special executions

SPARE PARTS

- **[SECCH/570]** Wheeled bucket with lid Ø 570 mm, 170 lt
- **[CART/325/NANO]** Cartridge Ø 325 mm, ht 1.000 mm, in cellulose / polyester + nanofiber (for Power Jet C 325)
- **[MAN/POL/SR]** Polyester bag Ø 125 mm, ht 2,500 mm, with snap ring connection (for Power Jet M)
- **[CESTEL/SR]** Galvanized steel bag holder with snap ring

POWERJET MODULES

	CARTRIDGES Ø 325	BAGS Ø 125
mod. 12x12 (1200 x 1200 mm)	 9 cartridges	 36 bags
mod. 12x24 (1200 x 2400 mm)	 18 cartridges	 72 bags
mod. 24x24 (2400 x 2400 mm)	 36 cartridges	 144 bags

PRODUCTIONS





ACTIVATED CARBON CARTRIDGE

- External Ø: 290 mm
- Internal Ø: 140 mm
- Height: 500 - 1000 mm
- Average filtering surface: 0.33 - 0.66 m²
- Coal: 15 - 30 kg

CARBOSORB 54 ACTIVATED CARBON

FEATURE	METHOD	TYPICAL VALUES
Granule diameter	-	4 mm
Iodine index	Astm 4607	750 mg/g
Specific surface (B.E.T.)	Astm 3663	800 m ² /g
Apparent density	Astm 2854	600 kg/m ³
Hardness	Astm 3802	95%
Ashes	Astm 2866	10%
pH	Astm 3838	alkaline
CCl₄ adsorption	Astm 3467	50%

USE

- Odor removal
- Dry cleaning operations with VOCs (volatile organic compounds) or COCs (chlorinated organic compounds) and / or hydrofluorochlorocarbons
- Printing, varnishing, impregnation, coating, resin coating, adhesive coating, lamination, pad printing and lithography operations of various types of substrates with solvent-based products
- Operations for production of paints, glues, adhesives and related products with solvents
- Operations of fiberglass products, accessories in polyester resin and other polymeric resins
- Adsorption of VOCs and acids (with impregnated carbon)
- Flows with low concentration of pollutants below 100 ppm

FEATURES

- Sturdy construction in galvanized sheet and painted sheet
- Lower calming air chamber with inspection hatch
- High adsorbing efficiency AC40 activated carbon filter
- Corrugated acrylic pre-filter
- G4 bag filter before carbon (CARB CF and CARB CLF)
- Additional filtration stage with HEPA filter, H13 class (optional)
- Inspection hatch for filters
- Sealing and locking system of filters with eccentric bar
- Modularity of the Airsol system: the filters can be combined in parallel to achieve very high flow rates

STANDARD SUPPLY

- Activated carbon cartridges, external Ø 290 mm, internal Ø 140 mm, with height depending on the model
- Mechanical filters and prefilters according to the model

RESTRICTIONS

- If the aspirated substances contain ketones (acetone), adequate fire safety systems must be studied. It should be remembered that ketones can cause self-combustion for activated carbons, in particular in the case of saturated carbons and prolonged machine downtime

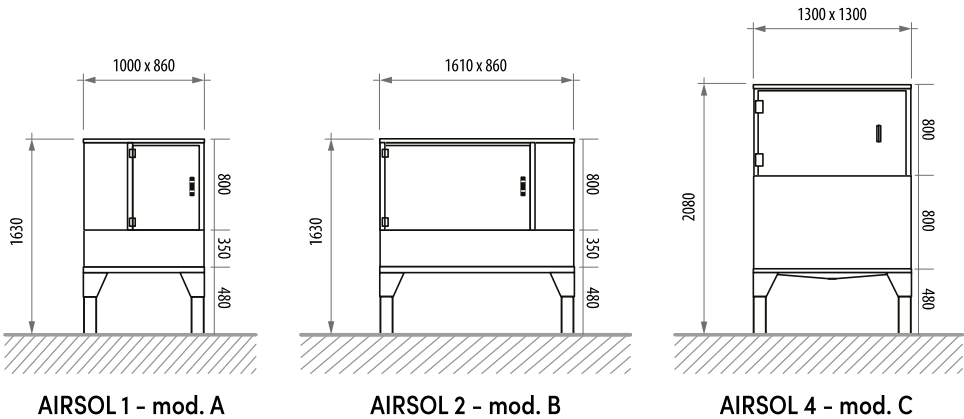
TECHNICAL DATA

AIRSOL CARB C [with carbon cartridges (Ø 290 mm – ht 500 mm) and acrylic prefilter]

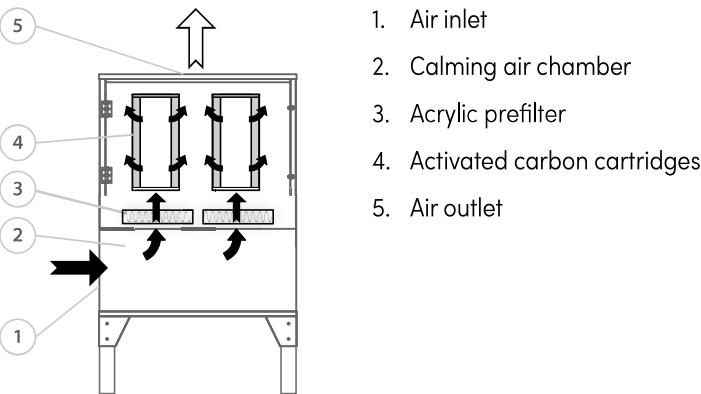
MODEL	MODULES n	MAX FLOW RATE * m³/h	CARTRIDGES n	CARBON Kg	AVERAGE AREA OF THE CARTRIDGES m²	STAGE 1 ACRYLIC PREFILTER n	DIMENSIONS mm	WEIGHT Kg
AS1/C4	A	1200	4	60	1,35	1	1000 x 860 x 1630	130
AS2/C8	B	2400	8	120	2,70	2	1610 x 860 x 1630	250
AS4/C12	C	3600	12	180	4,05	4	1300 x 1300 x 2080	800
AS4/C16	C	4800	16	240	5,40	4	1300 x 1300 x 2080	900

The suitability of the type of filter, the air flow rate and the type of cleaning must be checked according to any regulatory restrictions in force in the place of installation.
(*) The suggested maximum flow rate could decrease, even by a lot, depending on the pollutant. Ask our technical department.

MODULES



COMPONENTS



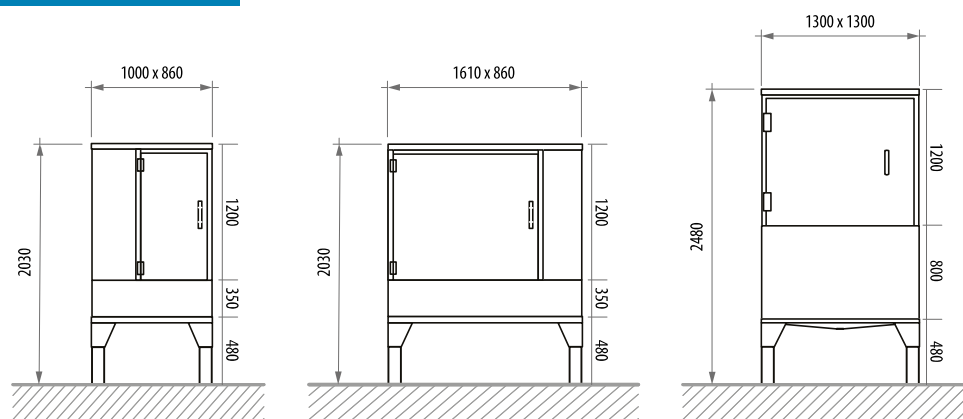
TECHNICAL DATA

AIRSOL CARB CL [with carbon cartridges (Ø 290 mm – ht 1000 mm) and acrylic prefilter]

MODEL	MODULES n	MAX FLOW RATE * m³/h	CARTRIDGES n	CARBON Kg	AVERAGE AREA OF THE CARTRIDGES m²	STAGE 1 ACRYLIC PREFILTER n	DIMENSIONS mm	WEIGHT Kg
AS1/CL4	A	2400	4	128	2,70	1	1000 x 860 x 2030	400
AS2/CL8	B	4800	8	256	5,40	2	1610 x 860 x 2030	500
AS4/CL12	C	7200	12	384	8,10	4	1300 x 1300 x 2480	960
AS4/CL16	C	9700	16	512	10,80	4	1300 x 1300 x 2480	1100
AS8/CL28	2 x C	17000	28	896	18,90	8	2600 x 1300 x 2480	2000
AS8/CL32	2 x C	19400	32	1024	21,60	8	2600 x 1300 x 2480	2200

The suitability of the type of filter, the air flow rate and the type of cleaning must be checked according to any regulatory restrictions in force in the place of installation.
(*) The suggested maximum flow rate could decrease, even by a lot, depending on the pollutant. Ask our technical department.

MODULES

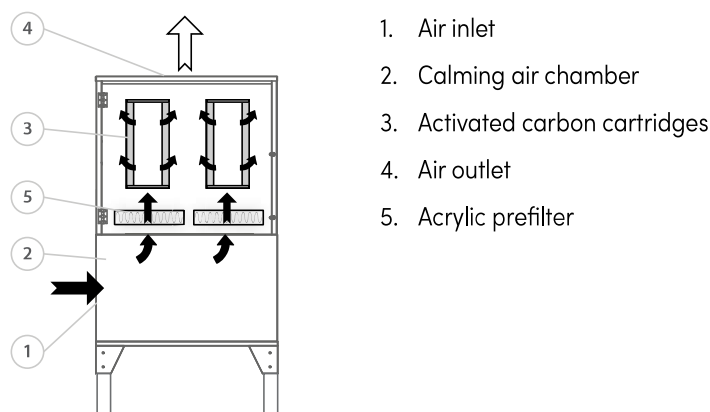


AIRSOL 1 - mod. A

AIRSOL 2 - mod. B

AIRSOL 4 - mod. C

COMPONENTS

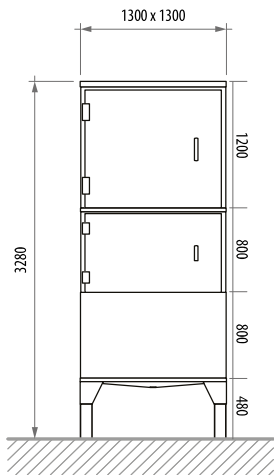


TECHNICAL DATA

MODEL	MODULES n	MAX FLOW RATE * m³/h	CARTRIDGES n	CARBON Kg	AVERAGE AREA OF THE CARTRIDGES m²	STAGE 1 ACRYLIC PREFILTER n	STAGE 2 POCKET FILTER n	FILTERING SURFACE m²	DIMENSIONS mm	WEIGHT Kg
AIRSOL CARB CF [with carbon cartridges (Ø 290 mm – ht 500 mm), acrylic prefilter and pocket filter]										
AS4/CF12	C	3600	12	180	4,05	4	4 (F741)	18	1300 x 1300 x 3280	960
AS4/CF16	C	4800	16	240	5,40	4	4 (F741)	18	1300 x 1300 x 3280	1100
AIRSOL CARB CLF [with carbon cartridges (Ø 290 mm – ht 1000 mm), acrylic prefilter and pocket filter]										
AS4/CLF12	C	7200	12	384	8,10	4	4 (F741)	18	1300 x 1300 x 3280	1160
AS4/CLF16	C	9700	16	512	10,80	4	4 (F741)	18	1300 x 1300 x 3280	1372
AS8/CLF28	2 x C	17000	28	896	18,90	8	8 (F741)	36	2600 x 1300 x 3280	2320
AS8/CLF32	2 x C	19400	32	1024	21,60	8	8 (F741)	36	2600 x 1300 x 3280	2744

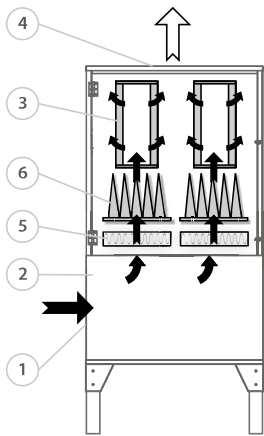
The suitability of the type of filter, the air flow rate and the type of cleaning must be checked according to any regulatory restrictions in force in the place of installation.
(*) The suggested maximum flow rate could decrease, even by a lot, depending on the pollutant. Ask our technical department.

MODULES



AIRSOL 4 - mod. C

COMPONENTS



- 1. Air inlet
- 2. Calming air chamber
- 3. Activated carbon cartridges
- 4. Air outlet
- 5. Acrylic prefilter
- 6. Pocket filter

OPTIONAL

- **[MN/DG/BATT/ST]** Battery-powered digital pressure gauge with support bracket and filter connection
- **[MN/DG/BATT]** Battery-powered digital pressure gauge (without bracket or connection materials)
- **[MN/DG/24VAC]** Digital pressure gauge - 24VAC power supply. (Requires preparation on electrical panel)
- Special machines for large capacities
- Additional filtration stage with HEPA filter, H13 class
- Fan
- Soundproofing box for fan
- Air inlet for circular piping
- Special constructions, in stainless steel, special painting
- Control panel
- Flow control systems with inverter

SPARE PARTS

- **[PREF/48]** Corrugated acrylic prefilter ht 48 mm
- **[F743]** G4 efficiency 6-pocket synthetic filter (for AIRSOL CARB CF and CLF)
- **[F741]** G4 efficiency 7-pocket synthetic filter (for AIRSOL CARB CF and CLF)
- **[CAR50]** 15 Kg activated carbon cartridge
- **[CAR100]** 32 Kg activated carbon cartridge
- **[BEA/3/4]** Air inlet (for modules from AS3 onwards)

PRODUCTIONS





USE

- Plants for the treatment of effluents from painting operations
- Treatment of the expulsion air of the painting areas, to stop the solid part of the overspray
- Prefiltration in systems with subsequent filtration stages that must be protected from dust pollution (for example activated carbon filters)

STANDARD SUPPLY

- Pocket filter (DRY DT only)
- PAINT STOP filter

RESTRICTIONS

- Air effluents with temperatures above 60 °C
- Plastic fumes, packing fumes, flammable powders

FEATURES

- Sturdy construction in galvanized sheet and painted sheet
- Calming air chamber with inspection hatch
- AIRSOL DRY D: filtration with Paint Stop with cardboard (DRY D) or metal frame (DRY DZ)
- AIRSOL DRY DT: first filtration stage with Paint Stop with cardboard (DRY DT) or metal frame (DRY DTZ); second filtration stage with class F7 pocket filter (EN 779)
- Additional filtration stage with HEPA filter, H13 class (optional)
- Inspection hatch
- Modularity of the AIRSOL system: the filters can be combined in parallel to achieve very high flow rates

TECHNICAL DATA

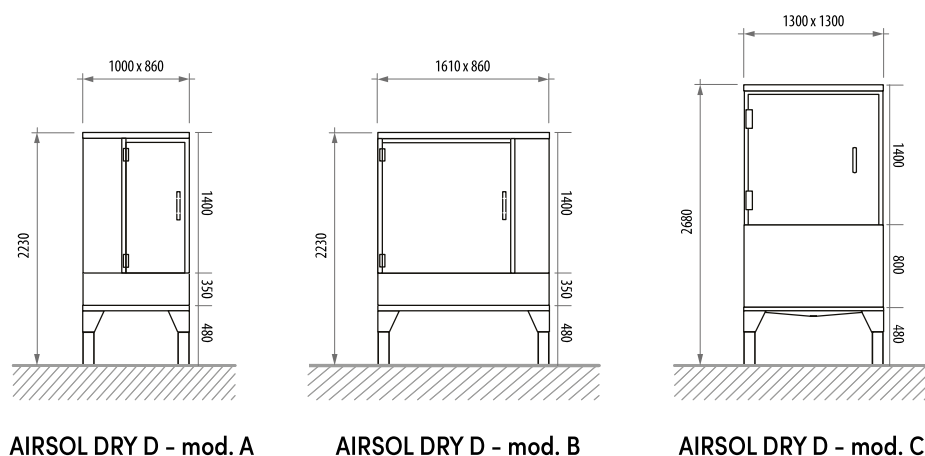
MODEL	MODULES n	MAX FLOW RATE * m ³ /h	STAGE 1 ACRYLIC PREFILTER n	STAGE 2 n	FILTERING SURFACE m ²	DIMENSIONS mm	WEIGHT Kg
AIRSOL DRY D [with cardboard frame]							
AS1/D	A	4000	4	-	2	1000 x 860 x 2230	80
AS2/D	B	8000	10	-	5	1610 x 860 x 2230	150
AS4/D	C	16000	20	-	10	1300 x 1300 x 2680	600
AS8/D	2 x C	32000	40	-	20	2600 x 1300 x 2680	1200

AIRSOL DRY DZ [with galvanized frame]

AS1/DZ	A	4000	4	-	2	1000 x 860 x 2230	80
AS2/DZ	B	8000	10	-	5	1610 x 860 x 2230	150
AS4/DZ	C	16000	20	-	10	1300 x 1300 x 2680	600
AS8/DZ	2 x C	32000	40	-	20	2600 x 1300 x 2680	1200

The suitability of the type of filter, the air flow rate and the type of cleaning must be checked according to any regulatory restrictions in force in the place of installation.
(*) The suggested maximum flow rate could decrease, even by a lot, depending on the pollutant. Ask our technical department.

MODULES

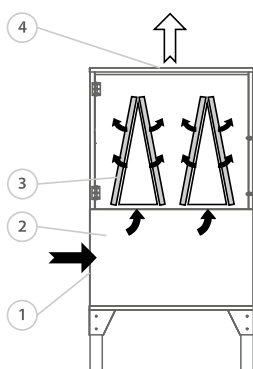


AIRSOL DRY D - mod. A

AIRSOL DRY D - mod. B

AIRSOL DRY D - mod. C

COMPONENTS



1. Air inlet
2. Calming air chamber
3. PAINT STOP filter
4. Air outlet

TECHNICAL DATA

MODEL	MODULES n	MAX FLOW RATE * m³/h	STAGE 1 ACRYLIC PREFILTER n	STAGE 2 n	FILTERING SURFACE m²	DIMENSIONS mm	WEIGHT Kg
AIRSOL DRY DT [with cardboard frame]							
AS1/DT	A	3500	4	1	8,8	1000 x 860 x 3030	120
AS2/DT	B	7000	10	2	17,6	1610 x 860 x 3030	200
AS4/DT	C	14000	20	4	35,2	1300 x 1300 x 3480	800
AS8/DT	2 x C	28000	40	8	70,4	2600 x 1300 x 3480	1500

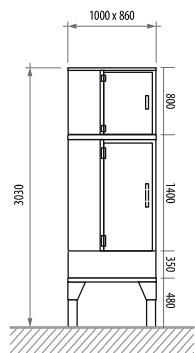
AIRSOL DRY DTZ [with galvanized frame]

AS1/DTZ	A	3500	4	1	8,8	1000 x 860 x 3030	120
AS2/DTZ	B	7000	10	2	17,6	1610 x 860 x 3030	200
AS4/DTZ	C	14000	20	4	35,2	1300 x 1300 x 3480	800
AS8/DTZ	2 x C	28000	40	8	70,4	2600 x 1300 x 3480	1500

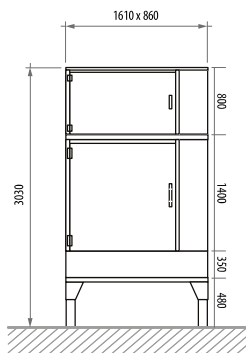
The suitability of the type of filter, the air flow rate and the type of cleaning must be checked according to any regulatory restrictions in force in the place of installation.

(*) The suggested maximum flow rate could decrease, even by a lot, depending on the pollutant. Ask our technical department.

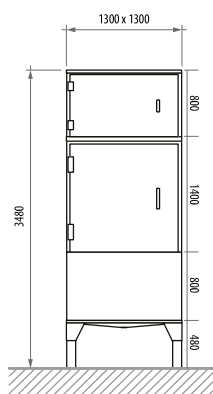
MODULES



AIRSOL DRY D - mod. A

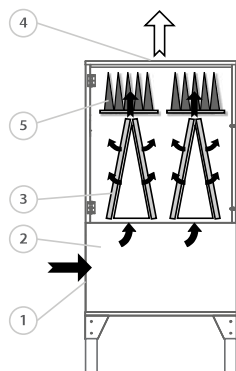


AIRSOL DRY D - mod. B



AIRSOL DRY D - mod. C

COMPONENTS



1. Air inlet
2. Calming air chamber
3. PAINT STOP filter
4. Air outlet
5. F7 pocket filter

OPTIONAL

- **[MN/DG/BATT/ST]** Battery-powered digital pressure gauge with support bracket and filter connection
- **[MN/DG/24VAC]** Digital pressure gauge - 24VAC power supply. (Requires preparation on control panel)
- Special machines for large capacities
- Additional filtration stage with HEPA filter, H13 class
- Fan
- Soundproofing box for fan
- Air inlet for circular piping
- Special constructions, in stainless steel, special painting
- Control panel
- Flow control systems with inverter
- Energy recovery systems
- Final filter with superior efficiency

SPARE PARTS

- **[PAN/L]** PAINT STOP filter with cardboard frame
- **[PAN/R]** PAINT STOP filter with openable galvanized frame
- **[MN/DG/BATT]** Battery-powered digital pressure gauge (without bracket or connection materials)
- **[BEA/3/4]** Air inlet (for modules from AS3 onwards)
- **[MF95/V]** F7 efficiency glass fiber pocket filter

PRODUCTIONS





AIRSOL OIL - mod. AS2



AIRSOL OIL - mod. AS4

USE

- Centralized plants for filtration of emulsified oil mists
- Centralized plants serving machine tools, CNCs, lathes, cutters and other machines with cooling liquid
- Filtration of oil mists and emulsion mists on a drill, milling machine, boring machine, lathe, surface grinding machine, planer, shaper, slotting machine, grinding wheel, broaching machine

STANDARD SUPPLY

- Compact filters, metal prefilter and droplet separator
- Siphon and liquid collection bin

RESTRICTIONS

- Emulsion mists mixed with powders
- Air effluents with temperatures above 60 °C
- Plastic fumes
- Packing fumes
- Mists of flammable oils

FEATURES

- 2 models:
 - AIRSOL OIL E, Compact filter only
 - AIRSOL OIL T, Compact filter with fan, box of soundproofing and control panel
- Sturdy construction in galvanized sheet and painted sheet
- Calming air chamber with liquid collection tank and drain siphon
- Filter holder frame with condensate drain system
- 3-stage filtration: droplet separator, metal pre-filtration, final filter: Compact multipleat class F6 or higher (EN 779)
- Additional filtration stage with HEPA filter, H13 class (optional)
- Inspection hatch
- Sealing and locking system of filters with eccentric bar
- Modularity of the Airsol system: the filters can be combined in parallel to achieve very high flow rates

TECHNICAL DATA

MODEL	MODULES n	MAX FLOW RATE * m³/h	STAGE 1 DROPLET SEPARATOR n	STAGE 2 METALLIC PREFILTER n	STAGE 3 FINAL FILTER n	FILTERING SURFACE m²	FAN	POWER kW (rpm)	DIMENSIONS mm	WEIGHT Kg
AIRSOL OIL E [With T1/1 Compact filter, eff. F6. Without control panel, fan, soundproofing box and digital pressure gauge]										
AS1/O	A	3000	1	1	1	17	-	-	1000 x 860 x 1630	120
AS2/O	B	6000	2	2	2	34	-	-	1610 x 860 x 1630	225
AS3/O	C	9000	3	3	3	51	-	-	1300 x 1300 x 2080	700
AS4/O	C	12000	4	4	4	68	-	-	1300 x 1300 x 2080	750
AS6/O	D	18000	6	6	6	102	-	-	1900 x 1300 x 2080	1150
AS8/O	2 x C	24000	8	8	8	136	-	-	2600 x 1300 x 2080	1350
AS12/O	3 x C	36000	12	12	12	204	-	-	3900 x 1300 x 2080	1900

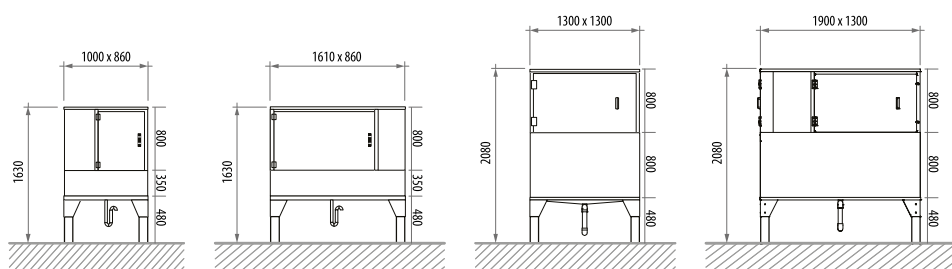
AIRSOL OIL T [With T1/1 Compact filter, eff. F6. With control panel, fan, soundproofing box and digital pressure gauge]

AS1/OT	A	3000	1	1	1	17	DTM 404	4 (2900)	1000 x 860 x 2630	270
AS2/OT	B	6000	2	2	2	34	DTM 454	7,5 (2900)	1610 x 860 x 2630	410
AS3/OT	C	9000	3	3	3	51	DTM 504	11 (2930)	1300 x 1300 x 3480	1040
AS4/OT	C	12000	4	4	4	68	DTE 502	15 (2935)	1300 x 1300 x 3480	1110
AS6/OT	D	16000	6	6	6	102	DTE 503	18,5 (2935)	1900 x 1300 x 3480	1530
AS8/OT	2 x C	24000	8	8	8	136	2 x DTT 901	2 x 18,5 (1470)	2600 x 1300 x 3480	2380

The suitability of the type of filter, the air flow rate and the type of cleaning must be checked according to any regulatory restrictions in force in the place of installation.

(*) The suggested maximum flow rate could decrease, even by a lot, depending on the pollutant. Ask our technical department.

MODULES

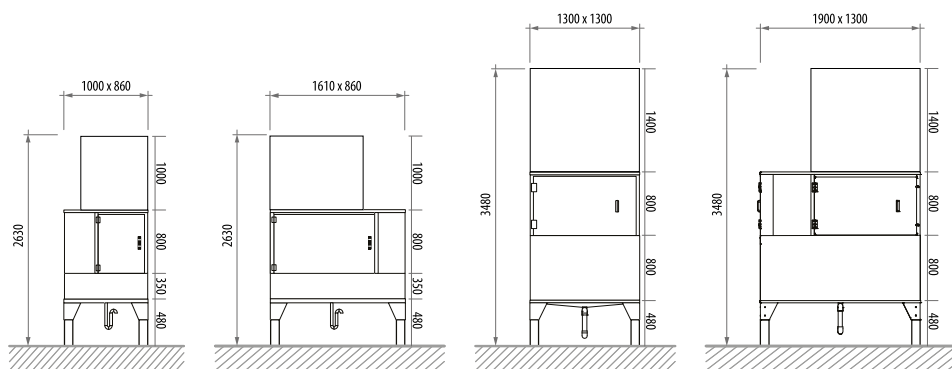


AIRSOL OIL E - mod. A

AIRSOL OIL E - mod. B

AIRSOL OIL E - mod. C

AIRSOL OIL E - mod. D



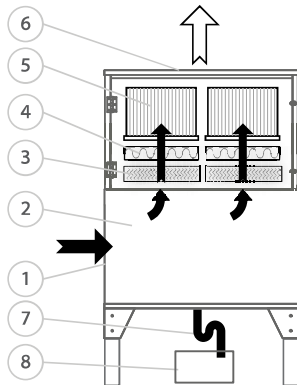
AIRSOL OIL T - mod. A

AIRSOL OIL T - mod. B

AIRSOL OIL T - mod. C

AIRSOL OIL T - mod. D

COMPONENTI



1. Air inlet
2. Calming air chamber
3. Droplet separator
4. Corrugated metal prefilter
5. Compact high efficiency final filter, 17 m²
6. Air outlet
7. Condensate drain siphon
8. Liquid collection bin

OPTIONAL

- **[MN/DG/BATT/ST]** Battery-powered digital pressure gauge with support bracket and filter connection
- **[MN/DG/BATT]** Battery-powered digital pressure gauge (without bracket or connection materials)
- **[MN/DG/24VAC]** Digital pressure gauge - 24VAC power supply. (Requires preparation on control panel)
- **[SCINT/P/98M]** Flat metal prefilter, ht 98 mm (instead of the corrugated prefilter)
- Special machines for high flow rates
- Additional filtration stage with HEPA filter, H13 class
- Fan
- Soundproofing box for fan
- Special constructions, in stainless steel, special painting
- Control panel
- Flow control systems with inverter
- Energy recovery systems
- Final filter with efficiency class F7 or higher

SPARE PARTS

- **[T1/1]** Compact filter, 17 m² - F6 efficiency
- **[T1/1D]** Diedro filter, 18 m² - F6 efficiency
- **[T1/2]** Compact filter, 8.5 m² - F6 efficiency
- **[T1/2D]** Diedro filter, 8.5 m² - F6 efficiency
- **[SCINT/98]** Corrugated metal prefilter, ht 98 mm
- **[SCINT/P/98]** Flat metal prefilter, ht 98 mm
- **[G1/1]** Droplet separator
- **[SIF/AS4]** 1 1/2 liquid drain siphon
- **[AS/BID]** Liquid collection bucket
- **[BEA/3/4]** Air inlet (for module from AS3 onwards)

PRODUCTIONS





USE

- Centralized plants with air flows polluted by welding fumes and carpentry work fumes
- Centralized plants with air flows containing dust in low concentrations
- Filtration of air flows from workplace ventilation
- Prefiltration in systems with subsequent filtration stages that must be protected from dust pollution (for example activated carbon filters)
- Smoke filtration in general

FEATURES

- Sturdy construction in galvanized sheet and painted sheet
- Calming air chamber with inspection hatch
- 3 stage filtration: Metallic prefilter, acrylic prefilter, final pocket filter in class G4 or higher
- Additional filtration stage with HEPA filter, H13 class (optional)
- Filter inspection hatch
- Sealing and locking system of filters with eccentric bar
- Modularity of the Airsol system: the filters can be combined in parallel to achieve very high flow rates

STANDARD SUPPLY

- Acrylic prefilter
- Metallic prefilter
- G4 pocket filter

RESTRICTIONS

- Air effluents with temperatures above 60 °C
- Plastic fumes
- Packing fumes
- Flammable powders

TECHNICAL DATA

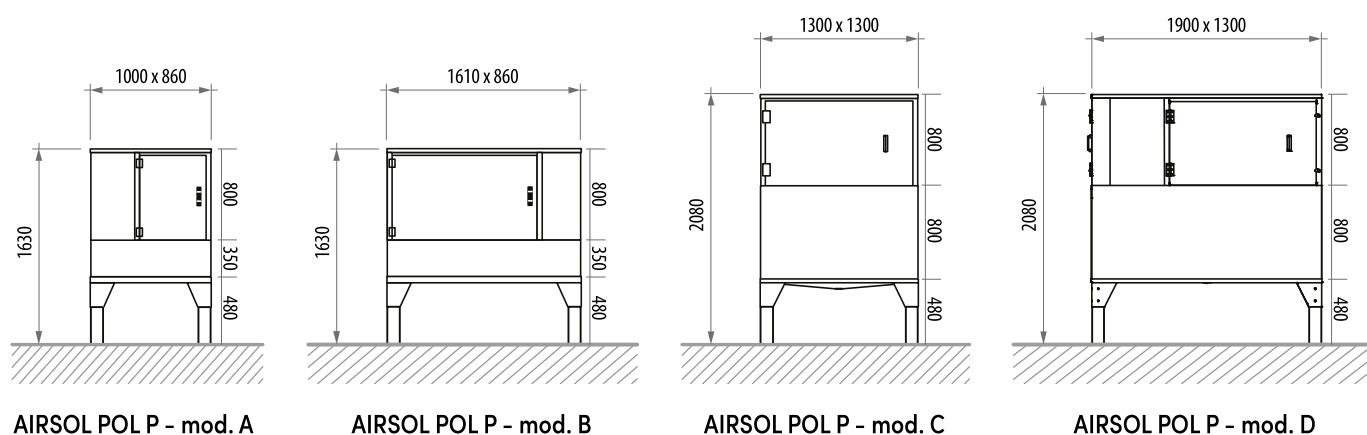
AIRSOL POL P [3-stage filtration]

MODEL	MODULES n	MAX FLOW RATE * m³/h	STAGE 1 METALLIC PREFILTER n	STAGE 2 ACRYLIC PREFILTER n	STAGE 3 POCKET FILTER n	FILTERING SURFACE m²	DIMENSIONS mm	WEIGHT Kg
AS1/P	A	3000	1	1	1 (F742, ht. 500 mm)	3,6	1000 x 860 x 1630	80
AS2/P	B	6000	2	2	2 (F742, ht. 500 mm)	7,2	1610 x 860 x 1630	150
AS3/P	C	9000	3	3	3 (F742, ht. 500 mm)	10,8	1300 x 1300 x 2080	220
AS4/P	C	12000	4	4	4 (F741, ht. 600 mm)	18	1300 x 1300 x 2080	600
AS6/P	D	18000	6	6	6 (F741, ht. 600 mm)	27	1900 x 1300 x 2080	900
AS8/P	2 x C	24000	8	8	8 (F741, ht. 600 mm)	36	2600 x 1300 x 2080	1200
AS12/P	3 x C	36000	12	12	12 (F741, ht. 600 mm)	54	3900 x 1300 x 2080	1800

The suitability of the type of filter, the air flow rate and the type of cleaning must be checked according to any regulatory restrictions in force in the place of installation.

(*) The suggested maximum flow rate could decrease, even by a lot, depending on the pollutant. Ask our technical department.

MODULES



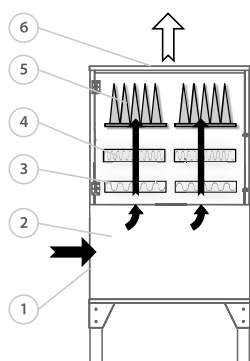
AIRSOL POL P - mod. A

AIRSOL POL P - mod. B

AIRSOL POL P - mod. C

AIRSOL POL P - mod. D

COMPONENTS



1. Air inlet
2. Calming air chamber
3. Metallic prefilter
4. Acrylic prefilter
5. Final G4 pocket filter
6. Air outlet

OPTIONAL

- **[MN/DG/BATT/ST]** Battery-powered digital pressure gauge with support bracket and filter connection
- **[MN/DG/BATT]** Battery-powered digital pressure gauge (without bracket or connection materials)
- **[MN/DG/24VAC]** Digital pressure gauge - 24VAC power supply. (Requires preparation on control panel)
- **[DIE/F8/30]** Diedro filter 30 m² - F8 efficiency
- Special machines for large capacities
- Additional filtration stage with HEPA filter, H13 class
- Fan
- Soundproofing box for fan
- Air inlet for circular piping
- Special constructions, in stainless steel, special painting
- Control panel
- Flow control systems with inverter
- Energy recovery systems
- Final filter with superior efficiency

SPARE PARTS

- **[F741]** 7-pocket synthetic filter, G4 efficiency
- **[F742]** 6-pocket synthetic filter, G4 efficiency
- **[SCINT]** Flat metallic prefilter, ht 22 mm
- **[SCINT/98]** Corrugated metallic prefilter, ht 98 mm
- **[PREF/48]** Corrugated acrylic prefilter, ht 48 mm
- **[BEA/3/4]** Air inlet (for module from AS3 onwards)

PRODUCTIONS





USE

- Dust suppression of rubber, cast iron, graphite, iron, steel, plastic, carbon, epoxy painting powders, fiberglass powders, powders and fumes from metal cuts
- Installations in ATEX 21 and 22 zones

FEATURES

- Sturdy construction in painted sheet metal
- Automatic counter-current compressed air cleaning with Venturi
- Vertical cartridges
- EX II 2D execution
- Very high efficiency cartridge filtration in antistatic execution (> 99% for particles up to 1 micron)
- High efficiency with cleaning system with one shot of compressed air for each cartridge
- Ease of use: the cartridges are easily accessible allowing for quick replacement
- The modularity allows for a compact and economical design even for the highest air flow rates
- Finite element design 0.5 bar
- Electrostatic continuity of the structure

STANDARD SUPPLY

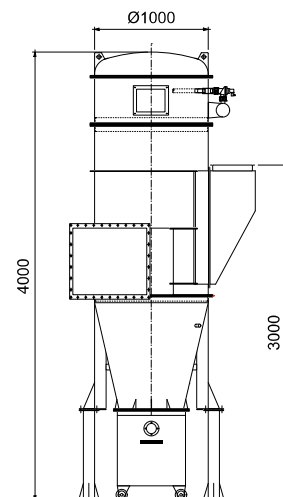
- Automatic compressed air cleaning (with timer)
- Flanged dust collection bin
- Explosion-proof rupture membrane
- Digital pressure gauge

RESTRICTIONS

- Not suitable for explosive or flammable dusts, hygroscopic dusts, dusts with humidity > 5%
- Not suitable for mechanical machining of grinding, deburring, and on metals that produce sparks
- To be used in zone 21 or less dangerous

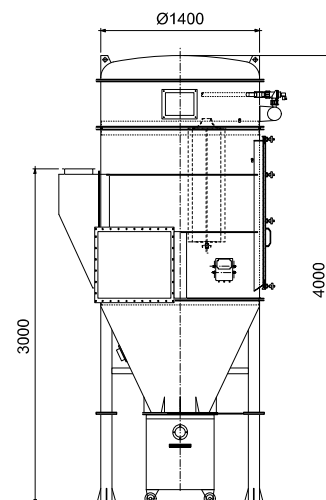
TECHNICAL DATA

MODEL	CARTRIDGES n	FILTERING SURFACE m ²	WEIGHT Kg	DIMENSIONS mm
FINPOL ATEX D10				
FPATEXD10-16	1 (Ø 320 mm, ht. 1000 mm)	16,5	750	1500 x 1500 x 4000
FPATEXD10-33	2 (Ø 320 mm, ht. 1000 mm)	33	800	1500 x 1500 x 4000
FPATEXD10-49	3 (Ø 320 mm, ht. 1000 mm)	49,5	850	1500 x 1500 x 4000
FPATEXD10-66	4 (Ø 320 mm, ht. 1000 mm)	66	900	1500 x 1500 x 4000
FPATEXD10-20DT	1 (Ø 320 mm, ht. 660 mm)	20,5	750	1500 x 1500 x 4000
FPATEXD10-41DT	2 (Ø 320 mm, ht. 660 mm)	41	800	1500 x 1500 x 4000
FPATEXD10-61DT	3 (Ø 320 mm, ht. 660 mm)	61,5	850	1500 x 1500 x 4000
FPATEXD10-82DT	4 (Ø 320 mm, ht. 660 mm)	82	900	1500 x 1500 x 4000
FPATEXD10-20N	2 (Ø 200 mm, ht. 1000 mm)	20	750	1500 x 1500 x 4000
FPATEXD10-30N	3 (Ø 200 mm, ht. 1000 mm)	30	750	1500 x 1500 x 4000
FPATEXD10-40N	4 (Ø 200 mm, ht. 1000 mm)	40	800	1500 x 1500 x 4000
FPATEXD10-50N	5 (Ø 200 mm, ht. 1000 mm)	50	850	1500 x 1500 x 4000
FPATEXD10-60N	6 (Ø 200 mm, ht. 1000 mm)	60	850	1500 x 1500 x 4000
FPATEXD10-70N	7 (Ø 200 mm, ht. 1000 mm)	70	900	1500 x 1500 x 4000
FPATEXD10-80N	8 (Ø 200 mm, ht. 1000 mm)	80	900	1500 x 1500 x 4000



FINPOL ATEX D14

FPATEXD14-82	5 (Ø 320 mm, ht. 1000 mm)	82,5	1000	2000 x 2000 x 4000
FPATEXD14-99	6 (Ø 320 mm, ht. 1000 mm)	99	1050	2000 x 2000 x 4000
FPATEXD14-115	7 (Ø 320 mm, ht. 1000 mm)	115,5	1100	2000 x 2000 x 4000
FPATEXD14-132	8 (Ø 320 mm, ht. 1000 mm)	132	1150	2000 x 2000 x 4000
FPATEXD14-102DT	5 (Ø 320 mm, ht. 660 mm)	102,5	1000	2000 x 2000 x 4000
FPATEXD14-123DT	6 (Ø 320 mm, ht. 660 mm)	123	1050	2000 x 2000 x 4000
FPATEXD14-143DT	7 (Ø 320 mm, ht. 660 mm)	143,5	1100	2000 x 2000 x 4000
FPATEXD14-164DT	8 (Ø 320 mm, ht. 660 mm)	164	1150	2000 x 2000 x 4000
FPATEXD14-90N	9 (Ø 200 mm, ht. 1000 mm)	90	1000	2000 x 2000 x 4000
FPATEXD14-100N	10 (Ø 200 mm, ht. 1000 mm)	100	1000	2000 x 2000 x 4000
FPATEXD14-110N	11 (Ø 200 mm, ht. 1000 mm)	110	1050	2000 x 2000 x 4000
FPATEXD14-120N	12 (Ø 200 mm, ht. 1000 mm)	120	1100	2000 x 2000 x 4000
FPATEXD14-130N	13 (Ø 200 mm, ht. 1000 mm)	130	1100	2000 x 2000 x 4000
FPATEXD14-140N	14 (Ø 200 mm, ht. 1000 mm)	140	1150	2000 x 2000 x 4000
FPATEXD14-150N	15 (Ø 200 mm, ht. 1000 mm)	150	1150	2000 x 2000 x 4000



OPTIONAL

- Dust unloading with hopper and easy release bucket
- Dust unloading with hopper and rotary valve
- Ultraweb® cartridges, Ø 320 mm, ht. 660 mm, 450 g/m²
- Indoor venting panel
- Stainless steel constructions, special constructions, special painting
- Cartridges made with other filter media
- Explosion compartmentalization systems
- Butterfly valve on the hopper discharge
- Lime dispenser

SPARE PARTS

- **[EV1/ATEX/2D]** 1" threaded solenoid valve with 24VAC coil, Ex II 2D execution
- **[CART/P10/A]** Antistatic polyester cartridge Ø 320 mm, ht. 1000 mm,
- **[CART/P200/A]** Antistatic polyester cartridge Ø 200 mm, ht. 1000 mm
- **[CART/DT/A]** Antistatic cartridge in TopBlend technology Ø 320 mm, ht. 660 mm,

PRODUCTIONS





FINPOL F with drawer



FINPOL F with hopper

USE

- Dust filtration, in particular in the sectors: powder coating, food industry, feed production, chemical industry, sandblasting treatments
- Operations of mixing, weighing and packaging of solid powdery materials
- Bulk product loading operations, transfer of powders
- Sanding, sandblasting, grinding, edging and cutting with non-sparking metals
- Surface mechanical cleaning operations
- Dust suppression of rubber, cast iron, graphite, iron, steel, plastic, carbon, epoxy painting powders, fiberglass powders
- Metal cutting operation (laser, oxy-fuel, plasma)

FEATURES

- Sturdy construction in carbon steel sheet welded and painted in RAL 5015
- Automatic cleaning with timer
- Very high efficiency cartridge filtration (> 99% for particles up to 1 micron)
- High efficiency of the cleaning system (1 solenoid valve per cartridge)
- Ease of use and maintenance: the cartridges are easily accessible, allowing quick replacement
- Available with different types of cartridges according to the type of pollutant to be treated

STANDARD SUPPLY

- Collection drawer
- Compressed air cleaning with management timer
- Fan (on some models)
- Soundproofing box (on models with fan)
- Control panel (on models with fan)
- Fixed execution (without wheels)
- CART/P6 polyester cartridges, Ø 320 mm, ht. 600 mm, 450 g/m² (FNR/C)
- CART/P10 polyester cartridges, Ø 320 mm, ht. 1000 mm, 450 g/m², (FNGR)
- TopBlend CART/DT cartridges, Ø 320 mm, ht. 660 mm, 450 g/m², (FDT)

RESTRICTIONS

- Not suitable for explosive or flammable dusts, hygroscopic dusts, dusts with humidity > 5%
- Not suitable for mechanical machining of grinding, deburring, on metals that produce sparks

TECHNICAL DATA

MODEL	CARTRIDGES n	FILTERING SURFACE m ²	MAX FLOW RATE * m ³ /h	TOTAL ΔP mm H ₂ O	POWER ** kW (2800 rpm)	NOISE db(A)	WEIGHT Kg	DIMENSIONS *** mm
FINPOL FNR/C [P6 polyester cartridges, Ø 320 mm, ht. 600 mm]								
FINPOLFNR2/C	2	20	2400	-	-	-	260	800 x 800 x 1600
FINPOLFNR3/C	3	30	3000	-	-	-	265	800 x 800 x 1600
FINPOLFNR4/C	4	40	4000	-	-	-	270	800 x 800 x 1600
FINPOLFNR2/3C	2	20	2100	220	2,2	72	290	800 x 800 x 2600
FINPOLFNR3/4C	3	30	2800	220	3	73	300	800 x 800 x 2600
FINPOLFNR3/5C	3	30	3500	270	4	74	310	800 x 800 x 2600
FINPOLFNR4/4C	4	40	2800	220	3	73	300	800 x 800 x 2600
FINPOLFNR4/5C	4	40	3500	270	4	74	310	800 x 800 x 2600
FINPOL FNGR [P10 polyester cartridges, Ø 320 mm, ht. 1000 mm]								
FINPOLFNGR2	2	32	2400	-	-	-	260	800 x 800 x 1600
FINPOLFNGR3	3	48	3000	-	-	-	265	800 x 800 x 1600
FINPOLFNGR4	4	65	4000	-	-	-	270	800 x 800 x 1600
FINPOLFNGR2/3	2	32	2100	220	2,2	72	290	800 x 800 x 2600
FINPOLFNGR3/4	3	48	2800	220	3	73	300	800 x 800 x 2600
FINPOLFNGR3/5	3	48	3500	270	4	74	310	800 x 800 x 2600
FINPOLFNGR4/4	4	65	2800	220	3	73	315	800 x 800 x 2600
FINPOLFNGR4/5	4	65	3500	270	4	74	320	800 x 800 x 2600
FINPOL FDT [DT TopBlend cartridges, Ø 320 mm, ht. 660 mm]								
FINPOLFDT2	2	41	2400	-	-	-	265	800 x 800 x 1600
FINPOLFDT3	3	62	3000	-	-	-	270	800 x 800 x 1600
FINPOLFDT4	4	82	4000	-	-	-	275	800 x 800 x 1600
FINPOLFDT2/3	2	41	2100	220	2,2	72	290	800 x 800 x 2600
FINPOLFDT3/4	3	62	2800	220	3	73	300	800 x 800 x 2600
FINPOLFDT3/5	3	62	3500	270	4	74	310	800 x 800 x 2600
FINPOLFDT4/4	4	82	2800	220	3	73	315	800 x 800 x 2600
FINPOLFDT4/5	4	82	3500	270	4	74	320	800 x 800 x 2600

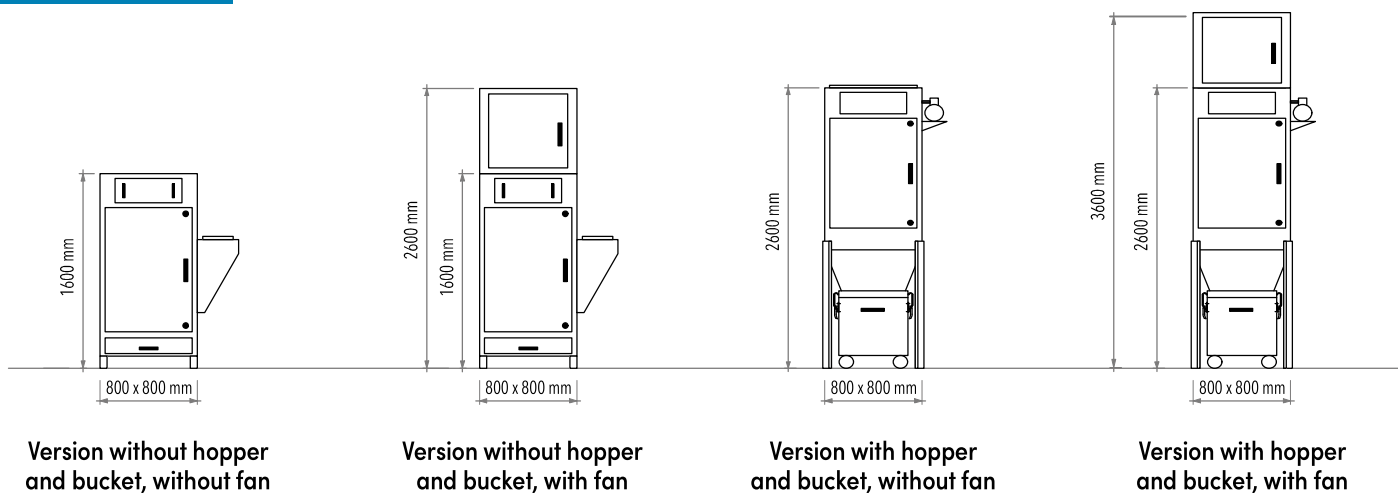
The suitability of the type of filter, the air flow rate and the type of cleaning must be checked according to any regulatory restrictions in force in the place of installation.

* The suggested maximum flow rate may vary, even by a lot, depending on the pollutant. Ask our technical department.

** Where there is the fan, the control panel and the soundproofing box are also associated

*** Dimension, in height, without hopper and bucket

VERSIONS



OPTIONAL

- **[FINPOLF/GIR]** Version with swivel
- **[MN/DG/BATT/ST]** Battery-powered digital pressure gauge with support bracket and filter connection
- **[MN/DG/24VAC]** Digital pressure gauge - 24VAC power supply. Requires preparation on the control panel
- **[ASS1/F]** Final filtration stage with H13 absolute filters 610x610x292 mm (max 3.000 m³/h)
- **[CART/ANTISTAT]** Version with antistatic cartridge
- **[CART/DONALD/M]** Version with Ultraweb HITECH Nanofibre cartridge
- **[FINF/ATEX]** ATEX EX II 3D execution, for versions without fan and control panel. Excluding explosion-proof panel
- **[FINF/ATEX/QE]** ATEX EX II 3D execution, for versions with control panel. Excluding explosion-proof panel
- **[FINF/INOX]** Stainless steel AISI 304 execution parts in contact
- **[FINF/MOB]** Mobile version on wheels
- **[RID/PRES]** Pressure reducer with 1/2 "manometer
- **[TRAM/SEC/F]** Hopper + bucket
- **[TRAM/SEC/F/ROX]** Hopper + roller ST30C 0.75 kW with interlocking roller door. Discharge ht. 1000 mm
- **[INS/F]** Soundproofing box, 800 x 800 mm

SPARE PARTS

- **[BEA/FPF]** Air inlet
- **[CART/P6]** Polyester cartridge, Ø 320 mm, ht. 600 mm
- **[CART/P10]** Polyester cartridge, Ø 320 mm, ht. 1000 mm
- **[CART/DT]** TopBlend technology cartridge, Ø 320 mm, ht. 660 mm
- **[ASS/AP]** Absolute filter, efficiency 99.95% H13. Without flanges
- **[BOMB/F]** Compressed air tank
- **[VEN/F]** Venturi in aluminum
- **[EV1]** 1" threaded solenoid valve with 24VAC coil
- **[EV3/4]** 3/4" threaded solenoid valve with 24VAC coil
- **[PUL/R10]** Rotary cleaning system, ht. 1000 mm (for old versions)
- **[MN/DG/24VAC]** Digital pressure gauge, 24VAC power supply. Requires preparation on the control panel
- **[MN/DG/BATT]** Battery-powered digital pressure gauge (without bracket and connection materials)
- **[TUB/RAC/EV/28]** Internal solenoid valve fitting pipe Ø 28 mm
- **[TUB/RAC/EV/35]** Internal solenoid valve fitting pipe Ø 35 mm

PRODUCTIONS





FINPOL/HZP6 model with 8 cartridges and soundproofing box

USE

- Dust and fumes from cutting metal
- Dust and fumes from laser cutting
- Dust and fumes from plasma cutting
- Dust and fumes from oxyfuel
- Welding fumes
- Benches for flame cutting, laser cutting, plasma cutting

FEATURES

- Strong construction in sheet metal carbon steel painted RAL 7024
- Horizontal cartridges
- Pre-chamber (on models with 4, 6 and 8 cartridges)
- Automatic jet-pulse cleaning
- Air filtration with high efficiency cartridge, TopBlend filtering media technology, BIA class M
- High efficiency of cleaning system
- Ease of use and maintenance: the cartridges are easily accessible, allowing rapidity in the replacement
- The modularity allow a compact and economic design even for highest flow rates

STANDARD SUPPLY

- N° 1 hopper with dust collection bin 170 lt
- Pre-chamber (on models with 4, 6 and 8 cartridges)
- Cleaning system with compressed air (whit Jet-pulse)
- Fan soundproofing box (only on FINPOL/HZP and FINPOL/HZW)
- Fan switchboard with 3-pole plug (only on FINPOL/HZP and FINPOL/HZW)
- High efficiency cartridge, Ø 320 mm, ht. 660 mm, TopBlend filtering media technology, BIA class M

RESTRICTIONS

- Not suitable for explosive or combustible dusts, hygroscopic powders, dust with humidity >5%
- Not suitable for grinding and deburring operations on metals that produce sparks



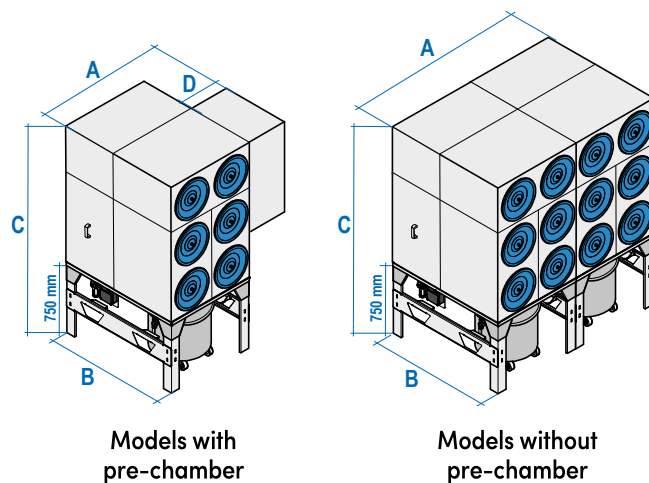
FINPOL/HZN12 model with 12 cartridges

TECHNICAL DATA

Model	CARTRIDGES n	FILTERING SURFACE m ²	HOPPERS AND BINS m ²	PRE- CHAMBER	FAN	POWER kW / rpm	MAX FLOWRATE m ³ /h	ΔP AVAIL. mm H ₂ O	NOISE db(A)	A mm	B mm	C mm	D mm	WEIGHT Kg
FINPOL/HZP [For dust and fumes from plasma, laser and flame cutting. With fan, soundproofing box, fan switchboard, cleaning switchboard]														
FINPOL/HZP4	4	82	1	✓	DTM 404	4 / 2.900	2.200	200	<80	1450	1350	1790*	450	1250
FINPOL/HZP6	6	123	1	✓	DTM 452	5,5 / 2.900	3.300	200	<80	1450	1350	2290*	450	1370
FINPOL/HZP8	8	164	1	✓	DTM 454	7,5 / 2.900	4.400	250	<80	1450	1350	2790*	450	1470
FINPOL/HZP12	12	246	2		DTM 504	11 / 2.900	6.600	250	<80	2010	1350	2290*	-	1920
FINPOL/HZW [For welding fumes. With fan, soundproofing box, fan switchboard, cleaning switchboard]														
FINPOL/HZW4	4	82	1	✓	DTM 454	7,5 / 2.900	3.600	170	<80	1450	1350	1790*	450	1270
FINPOL/HZW6	6	123	1	✓	DTM 502	9 / 2.900	5.500	170	<80	1450	1350	2290*	450	1510
FINPOL/HZW8	8	164	1	✓	DTM 504	11 / 2.900	7.000	180	<80	1450	1350	2790*	450	1670
FINPOL/HZW12	12	246	2		DTM 562	15 / 2.900	11.000	150	<80	2010	1350	2290*	-	2060
FINPOL/HZN [For centralized plants. with cleaning switchboard (do not include soundproofing box and fan switchboard)]														
FINPOL/HZN4	4	82	1	✓	-	-	-	-	-	1450	1350	1790	450	950
FINPOL/HZN6	6	123	1	✓	-	-	-	-	-	1450	1350	2290	450	1150
FINPOL/HZN8	8	164	1	✓	-	-	-	-	-	1450	1350	2790	450	1350
FINPOL/HZN12	12	246	2		-	-	-	-	-	2010	1350	2290	-	1700
FINPOL/HZN16	16	328	2		-	-	-	-	-	2010	1350	2790	-	2000
FINPOL/HZNL8	8 (4+4)	164	2	✓	-	-	-	-	-	1600	2050	1800	600	1250
FINPOL/HZNL12	12 (6+6)	246	2	✓	-	-	-	-	-	1600	2050	2290	600	1550
FINPOL/HZNL16	16 (8+8)	328	2	✓	-	-	-	-	-	1600	2050	2790	600	1900
FINPOL/HZNL24	24 (12+12)	492	4		-	-	-	-	-	2000	2050	2290	-	2550
FINPOL/HZNL32	32 (16+16)	656	4		-	-	-	-	-	2000	2050	2790	-	2850

* The total height C of the HZP and HZW models must be calculated adding 1000 mm for soundproofing box..

The suitability of the type of filter, the air flow rate and the type of cleaning must be checked according to any regulatory restrictions in force in the place of installation.



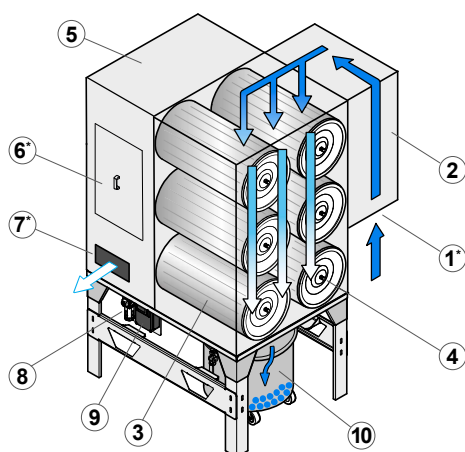
OPTIONAL

- **[FINPOLHZ/ATEX3D]** ATEX EX II 3D execution, for versions without fan and electrical panel
- **[CART/DONALD/M]** Version with Ultraweb HITECH nanofibre cartridge

SPARE PARTS

- **[EV1]** 1" threaded solenoid valve with 24VAC coil
- **[CART/DT]** TopBlend technology cartridge, Ø 320 mm, ht. 660 mm
- **[CART/DT/O]** TopBlend technology cartridge Ø 320 mm, ht. 660 mm (open / open) for FINPOL/HZNL
- **[CART/DONALD]** Ultraweb HITECH nanofiber cartridge, Ø 320 mm, ht. 660 mm
- **[CART/DONALD/O]** Ultraweb HITECH nanofibre cartridge, Ø 320 mm, ht.660 mm (open / open) for FINPOL/HZNL
- **[SECCH/570/90]** 90 lt wheeled bucket with lid Ø 570 mm

OPERATIONS



1. Polluted air inlet*
2. Pre-chamber (only on certain models)
3. Filter cartridges Ø 320 mm, ht. 660 mm
4. Knobs for extracting cartridges
5. Clean room
6. Cleaning system access door*
7. Clean air outlet*
8. Pressure gauge with pressure regulator
9. Automatic control unit for compressed air cleaning
10. 90 liter dust collection bucket

* Variable position

PRODUCTIONS





USE

- Dust filtration in ceramic, food, rubber, cement factories, mining industry, feed mills, chemical industry, modeling
- Operations of storage, handling, pneumatic transport, mixing, weighing and packaging of solid powdery materials
- Sanding, sandblasting, grinding, edging and cutting operations on non-sparking metals
- Operations of melting of metallic and other materials
- Operations of combustion of solid material and waste
- Painting operations with powder products

FEATURES

- Circular body
- High efficiency bag filtration
- Unloading with hopper and collection bin (rotary valve on request)
- Sturdy construction in welded and painted sheet of high thickness
- Automatic counter-current compressed air cleaning
- Simple maintenance: the sleeves are easily accessible allowing quick replacement

STANDARD SUPPLY

- Sleeves in polyester 500 gr/m², ht. 2000 mm or 2500 mm
- Automatic compressed air cleaning (with timer)
- Dust collection bin, 170 lt
- Staircase and upper parapet for access to the sleeves

RESTRICTIONS

- Not suitable for explosive or flammable dusts, hygroscopic dusts, dusts with humidity > 5%
- Not suitable for mechanical machining of grinding, deburring, on metals that produce sparks

TECHNICAL DATA

MODEL	SLEEVES n	FILTERING SURFACE m ²	SOLENOID VALVES n	Ø mm	T mm
POLJET F20 [Sleeves ht. 2000 mm]					
F14/2/20	14	11	2	900	500
F18/2/20	18	14	2	1100	600
F20/2/20	20	16	2	1100	600
F24/3/20	24	19	3	1100	600
F30/4/20	30	24	4	1270	700
F36/4/20	36	29	4	1400	800
F40/4/20	40	32	4	1430	850
F50/5/20	50	40	5	1600	1050
F60/6/20	60	48	6	1800	1200
F70/8/20	70	56	8	2000	1200
F80/8/20	80	64	8	2000	1350
F90/9/20	90	72	9	2000	1350
F100/10/20	100	80	10	2200	1550

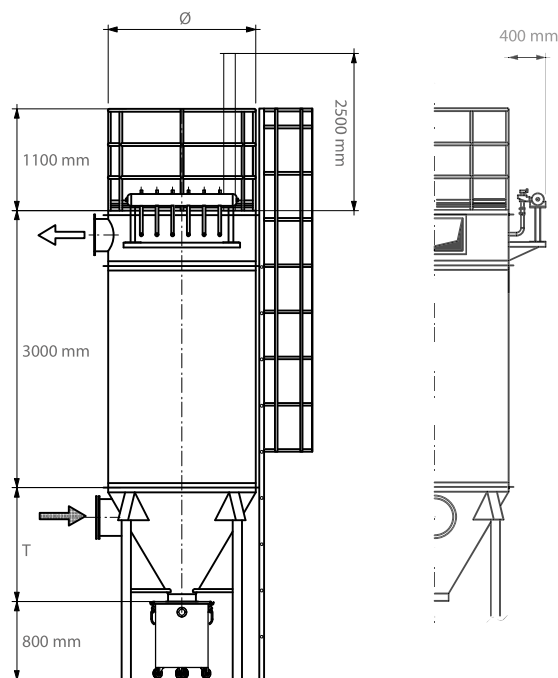
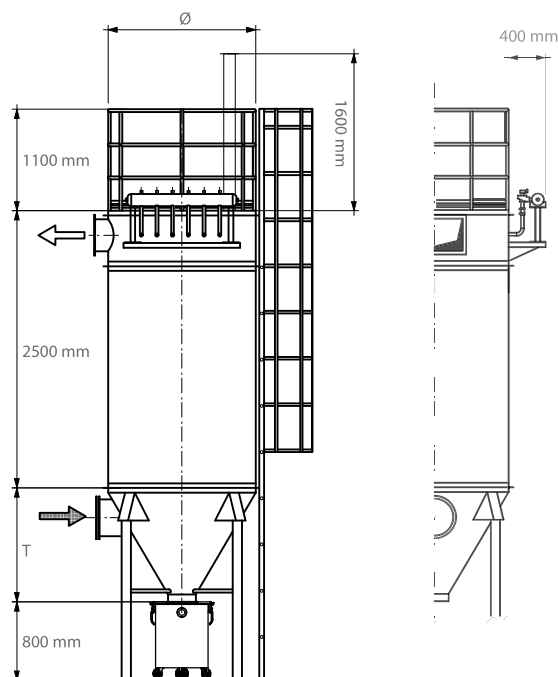
POLJET F [Sleeves ht. 2500 mm]

F14/2	14	14	2	900	500
F18/2	18	18	2	1100	600
F20/2	20	20	2	1100	600
F24/3	24	24	3	1100	600
F30/4	30	30	4	1270	700
F36/4	36	36	4	1400	800
F40/4	40	40	4	1430	850
F50/5	50	50	5	1600	1050
F60/6	60	60	6	1800	1200
F70/8	70	70	8	2000	1200
F80/8	80	80	8	2000	1350
F90/9	90	90	9	2000	1350
F100/10	100	100	10	2200	1550

The suitability of the type of filter, the air flow rate and the type of cleaning must be checked according to any regulatory restrictions in force in the place of installation.

Only with sleeves extraction from above

Tolerances: ±10%



OPTIONAL

- Easy release bucket
- Unloading with hopper and rotary valve, or with rotary valve and cochlea
- Explosion-proof panel for outdoor or indoor use
- Constructions in stainless steel and special painting
- Atex 22 execution
- Execution with front sleeve extraction (ladder and balcony not supplied)
- Sleeves with 3000 or 3500 mm heights
- Sleeves in PTFE, antistatic or other materials
- Fire-fighting system inside the filter
- Explosion compartmentalization systems
- Butterfly valve on the hopper discharge
- Lime dispenser
- Break cave systems

SPARE PARTS

- **[MAN/POL]** Polyester sleeve, Ø 125 mm, ht. 2500 mm
- **[CESTEL]** Sleeve basket, ht. 2500 mm
- **[MAN2/POL]** Polyester sleeve Ø 125 mm, ht. 2000 mm
- **[CESTEL/20]** Sleeve basket, ht. 2000 mm
- **[EL/PJ]** 1" solenoid valve
- **[VEN/PJ]** Venturi tube
- **[GV/PJ]** PVC gasket for Venturi tube
- **[SECCH/570]** Dust collection bucket
- **[CARTER]** Protective carter for each solenoid valve
- **[FAS/PJ]** Sleeve clamp Ø 125 mm

PRODUCTIONS





USE

- Suction of wood shavings and dust, plastic, resins and other types of pollutants (dust and shavings)
- Applications in carpentry and model shops
- Centralized extraction systems with several machine tools
- Centralized suction systems with storage of waste material in bags
- Centralized suction systems on machine tools that produce large quantities of dry waste material

FEATURES

- Rugged construction in hot-dip galvanized sheet metal
- Modularity to cover a wide range of capacities
- Operation in pressure
- High efficiency filter bags Ø 200 mm
- Bags with quick release strap
- Electric vibration cleaning system
- Quick access to bags replacement
- Supplied in assembly kit

STANDARD SUPPLY

- Vibration cleaning
- Filtering bags in cotton
- Supplied disassembled
- Collection bags Ø 620 mm

RESTRICTIONS

- Not suitable for explosive or flammable dusts, hygroscopic dusts, dusts with humidity > 5%
- Not suitable for mechanical grinding and deburring of metal that produce sparks

TECHNICAL DATA

MODEL	BAGS n	BAGS HEIGHT mm	Ø BAGS mm	FILTERING SURFACE m ²	SACKS n / Ø (mm)	MOTOVIBRATORS n	A mm	B mm	C mm
RAF/PS/16/18	16	1800	200	18	1 / 600	1	1060	1060	3850
RAF/PS/16/23	16	2300	200	23	1 / 600	1	1060	1060	4350
RAF/PS/32/18	32	1800	200	36	2 / 600	1	2060	1060	3850
RAF/PS/32/23	32	2300	200	46	2 / 600	1	2060	1060	4350
RAF/PS/48/18	48	1800	200	54	3 / 600	1	3060	1060	3850
RAF/PS/48/23	48	2300	200	69	3 / 600	1	3060	1060	4350
RAF/PS/64/18	64	1800	200	72	4 / 600	2	4060	1060	3850
RAF/PS/64/23	64	2300	200	92	4 / 600	2	4060	1060	4350
RAF/PS/80/18	80	1800	200	90	5 / 600	2	5060	1060	3850
RAF/PS/80/23	80	2300	200	105	5 / 600	2	5060	1060	4350

The suitability of the type of filter, the air flow rate and the type of cleaning must be checked according to any regulatory restrictions in force in the place of installation. For these models the electric vibrator is supplied but not installed.

OPTIONAL

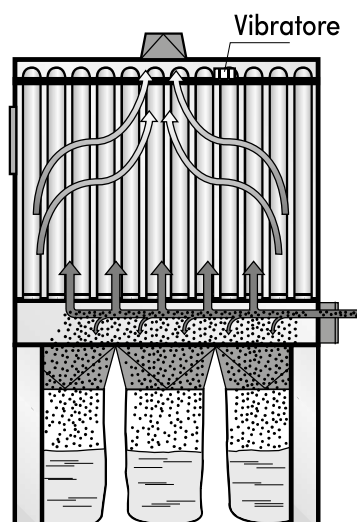
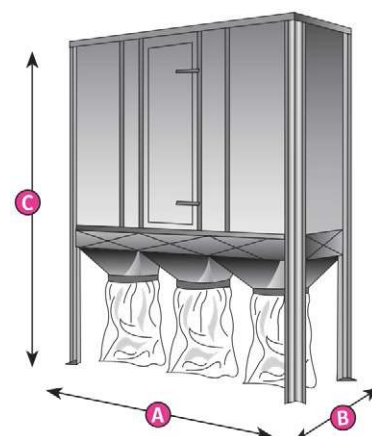
- Bags in satin polyester

SPARE PARTS

- Cotton bags
- Nylon sack
- Electric vibrator 0,075 kW

OPERATION

- Polluted air with a lot of dust and chips enters a stilling chamber where, by gravity, the heavier particles are discharged in nylon sacks
- The finest particles are separated from the air by bags filters; the air thus filtered exit from the top of the filter
- At the top of the filter is housed, for the bags cleaning, a motovibrator that at the end of the working cycle and with the electric fan stopped, goes into operation for about 10-12 seconds.





USE

- Suction of wood shavings and dust, plastic, resins and other types of pollutants (dust and shavings)
- Applications in carpentry and model shops
- Centralized extraction systems with several machine tools
- Centralized suction systems with storage of waste material in bags
- Centralized suction systems on machine tools that produce large quantities of dry waste material

FEATURES

- Rugged construction in hot-dip galvanized sheet metal
- Modularity to cover a wide range of flow rates
- Operation in pressure
- High efficiency filter bags Ø 200 mm
- Filters cleaning system with electric vibrator
- Quick access to bags replacement
- Supplied in assembly kit

STANDARD SUPPLY

- Electric vibrator
- Screw
- Filtering bags in cotton media
- Supplied unmounted

RESTRICTIONS

- Not suitable with explosive or flammable dust, hygroscopic dust and dust with moisture >5%
- Not suitable for application of grinding, polishing, deburring and on metals that produce sparks

TECHNICAL DATA

MODEL	BAGS n	BAGS HEIGHT mm	Ø MANICHE mm	FILTERING SURFACE m ²	COCLEA n	MOTOVIBRATORI n	A mm	B mm	C mm
RAF/PC/72/18	72	1800	200	81	1	2	3060	1560	4470
RAF/PC/72/23	72	2300	200	104	1	2	3060	1560	4970
RAF/PC/96/18	96	1800	200	108	1	2	4060	1560	4470
RAF/PC/96/23	96	2300	200	138	1	2	4060	1560	4970
RAF/PC/120/18	120	1800	200	136	1	2	5060	1560	4470
RAF/PC/120/23	120	2300	200	173	1	2	5060	1560	4970

The suitability of the type of filter, the air flow rate and the type of cleaning must be checked according to any regulatory restrictions in force in the place of installation. For these models the electric vibrator is supplied but not installed.

OPTIONAL

- Bags in polyetser satin

SPARE PARTS

- Bags in polyester
- Motorized screw
- Electric vibrator 0,075 kW

OPERATION

- Polluted air with a lot of dust and chips enters a stilling chamber where, by gravity, the heavier particles decant into a hopper and are discharged via a screw.
- The loading of material into containers, briquetting machine or boiler is done through a star valve and a return fan.
- The finest particles are separated from the air by bags filters; the air thus filtered escapes from the top of the filter.
- At the top of the filter is housed, for the bags cleaning, a motovibratori that at the end of the working cycle and with the electric fan stopped, goes into operation for about 10-12 seconds.





USE

- The filter is suitable for being positioned on top of a briquetting machine or for unloading into big bags
- Suction of wood shavings and dust, plastic, resins and other types of pollutants (dust and shavings)
- Applications in carpentry and model shops
- Centralized extraction systems with several machine tools
- Centralized suction systems on machine tools that produce large quantities of dry waste material

FEATURES

- Rugged construction in hot-dip galvanized sheet metal
- Modularity to cover a wide range of flow rates
- Operation in pressure
- High efficiency filter bags Ø 200 mm
- Filters cleaning system with electric vibrator
- Quick access to bags replacement
- Supplied in assembly kit

STANDARD SUPPLY

- Assembly hardware
- Motorized vibrator
- Filter bags in cotton fabric
- Use and maintenance manual and CE mark

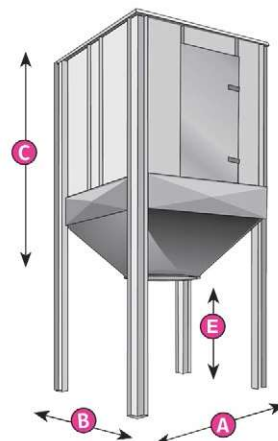
RESTRICTIONS

- Not suitable with explosive or flammable dust, hygroscopic dust and dust with moisture >5%
- Not suitable for application of grinding, polishing, deburring and on metals that produce sparks

TECHNICAL DATA

Model	BAGS n	FILTERING SURFACE m ²	BAGS HEIGHT mm	MEASURES (A x B x H) mm
RAF/Q/18/36	36	40	1800	1530 x 1530 x (3250 + E)
RAF/Q/23/36	36	51	2300	1530 x 1530 x (3750 + E)
RAF/Q/18/48	48	54	1800	2070 x 1530 x (3250 + E)
RAF/Q/23/48	48	69	2300	2070 x 1530 x (3750 + E)
RAF/Q/18/64	64	70	1800	2070 x 2070 x (3250 + E)
RAF/Q/23/64	64	92	2300	2070 x 2070 x (3750 + E)
RAF/Q/18/100	100	110	1800	2570 x 2570 x (3350 + E)
RAF/Q/20/100	100	125	2000	2570 x 2570 x (3500 + E)
RAF/Q/23/100	100	144	2300	2570 x 2570 x (3850 + E)
RAF/Q/25/100	100	157	2500	2570 x 2570 x (4050 + E)

The suitability of the type of filter, the air flow rate and the type of cleaning must be checked according to any regulatory restrictions in force in the place of installation. For these models the electric vibrator is supplied but not installed.



OPTIONAL

- Bags in polyester
- Motorized screw

SPARE PARTS

- Cotton bags
- Electric vibrator da 0,096 kW

OPERATION

- The polluted air, rich in dust and chips, enters a hopper where, by gravity, the heavier particles settle into the filter cone.
- The finest particles are separated from the air by bag filters.
- The filtered air comes out from the top of the filter.
- In the upper part of the filter, for cleaning the sleeves, a motor-vibrator is housed which will come into operation at the end of the processing cycle.



USE

- Deodorization in the waste sector and in the food sector
- Deodorization in sewer lifting stations
- Reduction of odors (mercaptans, solvents, etc.)
- Filtration of organic solvents, sulfur compounds, etc.
- SOV abatement in painting booths, washing tanks with VOC, fiberglass processing, typography and screen printing, gluing lines

FEATURES

- External regeneration of activated carbon
- Sturdy construction in carbon steel sheet
- Special constructions with non-standard sizes and special materials (AISI 304 and 316, polypropylene)
- Carbon containment cartridge with built-in discharge hopper that remains inside the filter body
- Robust shutters in the lower part for the discharge of exhausted coal
- Possibility of installing charcoal lifting systems to facilitate filter loading

STANDARD SUPPLY

- Staircase and gallery for access to the upper part
- Lower exhaust dampers
- Acrylic prefilter on the outside of the cartridge

CARBOSORB 54 ACTIVATED CARBON

FEATURE	METHOD	REV	STANDARD VALUES
Granule diameter	/	/	4
Length of granules	/	/	5-12
Apparent density	Astm 2854	87	550 ± 50
Packaging humidity	Astm 2867	88	5 max
Ashes	Astm 2866	88	10 ± 2
Hardness	Astm 3802	90	95 min
B.E.T. specific surface	Astm 3663	92	900 ± 50
CCL 4 adsorption	Astm 3467	88	55
pH	Astm 3838	88	8-10

RESTRICTIONS

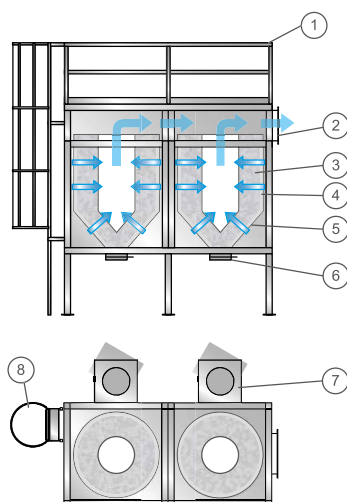
- If the aspirated substances contain ketones (acetone), adequate fire safety systems must be used. It should be remembered that ketones can cause self-combustion for activated carbons, in particular in the case of saturated carbons and prolonged machine downtime

TECHNICAL DATA

MODEL	CARTRIDGES n	CARBON m ³ - Kg	FILTERING SURFACE m ²	AIR FLOW RATE (V _{ATT} = 0,3 M/S, T _{CONT} = 0,75 SEC) m ³ /h	AIR FLOW RATE (V _{ATT} = 0,25 M/S, T _{CONT} = 1 SEC) m ³ /h	AIR FLOW RATE (V _{ATT} = 0,15 M/S, T _{CONT} = 1,5 SEC) m ³ /h	DIMENSIONS (A x B x C) mm
CARB C [Cartridge: Ø est. = 950 mm Ø int. = 500 mm Ht. = 2000 mm Ø D = 500 mm Thickness = 225 mm]							
CARB1/C	1	1 - 615	4,5	5000	3700	2500	1200 x 1200 x 5000
CARB2/C	2	2 - 1230	9,0	10000	7400	5000	2400 x 1200 x 5000
CARB3/C	3	3 - 1845	13,5	15000	11100	7500	3600 x 1200 x 5000
CARB4/C	4	4 - 2460	18,0	20000	14800	10000	4800 x 1200 x 5000
CARB5/C	5	5 - 3075	22,5	25000	18500	12500	6000 x 1200 x 5000
CARB6/C	6	6 - 3690	27,0	30000	22200	15000	7200 x 1200 x 5000
CARB CX [Cartridge: Ø est. = 1600 mm Ø int. = 700 mm Ht. = 1800 mm Ø D = 600 mm Thickness = 450 mm]							
CARB1/CX	1	2,9 - 1750	6,5	10000	7000	5000	2000 x 2000 x 5000
CARB2/CX	2	5,8 - 3500	13	20000	14000	10000	4000 x 2000 x 5000
CARB3/CX	3	8,7 - 5250	19,5	30000	21000	15000	6000 x 2000 x 5000
CARB4/CX	4	11,6 - 7000	26	40000	28000	20000	8000 x 2000 x 5000
CARB5/CX	5	14,5 - 8750	32,5	50000	35000	25000	10000 x 2000 x 5000
CARB6/CX	6	17,4 - 10500	39	60000	42000	30000	12000 x 2000 x 5000

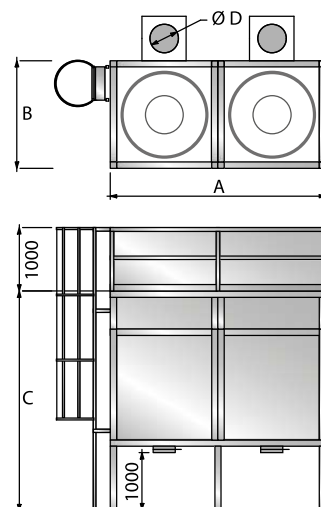
The suitability of the type of filter, the air flow rate and the type of cleaning must be checked according to any regulatory restrictions in force in the place of installation. The standard supply does not include activated carbon. Carbosorb 54 is supplied upon request.

COMPONENTS



1. Gallery
2. Air outlet
3. Activated carbon
4. Acrylic prefilter
5. Carbon containment cartridge
6. Carbon discharge damper
7. Air inlet
8. Ladder

DIMENSIONS



ABSORPTION INDEX FOR VARIOUS SUBSTANCES

1: High hold-up - 2: Medium hold-up - 3: Low hold-up - 4: Very low hold-up

Acetaldehyde	3	Citrus fruits	1	Ethylene oxide	3	Mercaptans	1	Petrol	1
Acetic acid	1	Clorobutadiene	1	Ethyl formate	2	Mercury (vapors)	4	Phenol	1
Acetic anhydride	1	Cloronitropropano	1	Ethyl mercaptan	1	Mesityl oxide	1	Phosgene	2
Acetone	2	Clororintopropano	1	Ethyl silicate	1	Methane	2	Propanal	2
Acetonitrile	3	Combustion (odors)	1	Ethyl silicates	1	Methanol	1	Propane	3
Acetylene	4	Corrosive gases	3	Fertilizer	1	Methyl acetate	2	Propanol	1
Acrolein	2	Creosol	1	Fertilizers	1	Methyl acrylate	1	Propionaldehyde	2
Acrylic acid	1	Creosote	1	Fish (odors)	1	Methyl alcohol	2	Propionic acid	1
Acrylonitrile	1	Cresol	1	Fluorotrichloromethane	2	Methyl bromide	2	Propyl acetate	1
Alcohol (odors)	1	Cyclohexane	1	Food (flavors)	1	Methylcellosolve	1	Propyl acetate	1
Aldehyde butirica	2	Cyclohexanol	1	Formaldehyde	3	Methylcellosolve acetate	1	Propyl alcohol	1
Aldehyde valerica	1	Cyclohexanone	1	Formic acid	2	Methyl chloride	2	Propyl chloride	1
Allyl chloride	1	Cyclohexene	1	Freon 11	2	Methyl chloroform	1	Propylene	3
Amines	3	Dean	1	Freon 113	2	Methylcyclohexane	1	Propyl ether	1
Ammonia	3	Detergents	1	Freon 12	2	Methylcyclohexanol	1	Propylmercaptan	1
Amyl acetate	1	Dibromoethane	1	Fruit	1	Methylcyclohexanone	1	Putrefaction (odors)	1
Amyl alcohol	1	Dichlorethyl ether	1	Fuels	1	Methylene chloride	1	Pyridine	1
Amyl ether	1	Dichlorobenzene	1	Fumes	1	Methyl ether	2	Resins	1
Aniline	1	Dichlorodifluoromethane	2	Heptane	1	Methyl ethyl ketone	1	Rubber	2
Antiseptics	1	Dichloroethane	1	Hexane	2	Methyl formate	2	Sewer (odors)	1
Asphalt (vapors)	1	Dichloroethylene	1	Hexene	2	Methyl isobutyl ketone	3	Sitrene monomer	1
Benzene	1	Dichloro ethyl ether	1	Hospitals (odors)	1	Methyl mercaptan	1	Slaughterhouses (odors)	2
Blood (odors)	2	Dichlorofluoromethane	1	Hydrochloric acid	3	Methyl methacrylate ester	1	Squaring	1
Body odor	1	Dichloropropane	1	Hydrofluoric acid	3	Metilbutilchetone	1	Stain removers (products)	1
Bromine	1	Dichlorotetrafluoroethane	2	Hydrogen	4	Metilglicole	1	Stickers	1
Butadiene	2	Dicloromonofluorimetro	2	Hydrogen bromide	3	Monochlorobenzene	2	Styrene monomer	1
Butane	3	Dicloronitroetano	1	Hydrogen chloride	2	Monofluoritri		Sulfur compounds	1
Butanone	1	Dicyclopentadiene	1	Hydrogen cyanide	2	chloromethane	3	Sulfuric acid	1
Butene	1	Diesel (fumes)	1	Hydrogen cyanide	2	Naphtha	1	Sulfur trioxide	2
Butilcellosive	1	Diesel (vapors)	1	Hydrogen fluoride	3	Naphthalene	1	Sulphur dioxide	3
Butyl acetate	1	Diethylamine	2	Hydrogen iodide	2	Neftalene	1	Sulphurous gases	3
Butyl alcohol	1	Diethyl ketone	1	Hydrogen selenate	3	Nicotine	1	Tar	1
Butyl chloride	1	Dimethylaniline	1	Hydrogen selenide	3	Nitric acid	2	Tetrachlorethylene	1
Butylene	3	Dimethyl sulfate	1	Hydrogen sulfide	2	Nitrobenzene	1	Tetrachloroethane	1
Butyl ether	1	Dimethyl sulfide	2	Hydrogen sulphide	2	Nitroethane	1	Tetrahydrofuane	1
Butyric acid	1	Dimethyl sulphate	1	Hydroiodic acid	2	Nitrogen dioxide	3	Thiophene	1
Camphor	1	Dioxane	1	Indole	1	Nitrogen dioxide	3	Toluene	1
Caprylic acid	1	Dipropilchetone	1	Iodine	1	Nitroglycerin	1	Toluene diisocyanate	1
Carbolic acid	1	Epichlorohydrin	1	Iodoform	1	Nitromethane	1	Toxic gases	2
Carbolic acid	1	Eptilene	1	Isopropanol	1	Nitropropane	1	Trichloroethane	1
Carbon dioxide	3	Esine	2	Isopropyl acetate	1	Nitrotoluene	1	Trichloroethylene	1
Carbon dioxide	3	Ethane	4	Isopropyl acetate	1	Nonane	1	Turpentine	1
Carbon disulphide	2	Ethanol	1	Isopropyl alcohol	1	Octane	1	Urea	1
Carbonic acid	4	Ethanol	2	Isopropyl chloride	1	Octene	1	Uric acid	1
Carbon monoxide	1	Ether	2	Isopropyl ether	1	Ozone	1	Valeraldehyde	1
Carbon tetrachloride	1	Ethyl acetate	1	Kerosene	1	Paints (fumes)	1	Valeric acid	1
Carprilic acid	1	Ethyl acetate	1	Kitchen (odors)	1	Palmitic acid	1	Vapors	2
Cellosolve	1	Ethyl acrylate	1	Krypton (delay)	1	Paper deteriorated	1	Various solvents	2
Cellosolve acetate	1	Ethyl acrylate	1	Lactic acid	1	Para-dichlorobenzene	1	Vinegar	1
Chlorine	2	Ethylbenzene	1	Liquid fuels	1	Pentane	2	Vinyl acetate	1
Chlorobenzene	1	Ethyl bromide	1	Liquors (odors)	1	Pentanone	1	Vinyl chloride mono	1
Chloroethanol	1	Ethyl bromide	2	Lubricants, greases and oils	1	Pentene	2	Xeno (delay)	1
Chloroform	1	Ethyl chloride	1	Lubricating oils	1	Pentyl	2	Xylene	1
Chloropicrin	1	Ethyl chloride	2	Lysol	1	Perchloroethylene	1		
Cigarettes (fumes)	1	Ethylene	4	Menthol	1	Pesticides	1		

PRODUCTIONS





USE

- Deodorization in the waste sector and in the food sector
- Deodorization in sewer lifting stations
- Reduction of odors (mercaptans, solvents, etc.)
- Filtration of organic solvents, sulfur compounds, etc.
- SOV abatement in painting booths, washing tanks with VOC, fiberglass processing, typography and screen printing, gluing lines
- Medium-low air flow rates with a high concentration of pollutant to be treated

FEATURES

- External regeneration of activated carbon
- Sturdy construction in carbon steel sheet or AISI 304 stainless steel
- Special construction with non-standard sizes and special materials (AISI 304 and 316, polypropylene)
- Static horizontal bed
- Air distribution system inside the filter
- High contact times to obtain high efficiencies for pollutants in high concentration
- Supplied as standard with Carbosorb 54 activated carbon

STANDARD SUPPLY

- Lower exhaust dampers

CARBOSORB 54 ACTIVATED CARBON

FEATURE	METHOD	REV	STANDARD VALUES
Granule diameter	/	/	4
Length of granules	/	/	5-12
Apparent density	Astm 2854	87	550 ± 50
Packaging humidity	Astm 2867	88	5 max
Ashes	Astm 2866	88	10 ± 2
Hardness	Astm 3802	90	95 min
B.E.T. specific surface	Astm 3663	92	900 ± 50
CCL 4 adsorption	Astm 3467	88	55
pH	Astm 3838	88	8-10

RESTRICTIONS

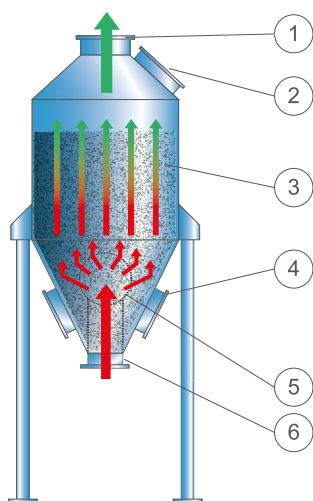
- If the aspirated substances contain ketones (acetone), adequate fire safety systems must be studied. It should be remembered that ketones can cause self-combustion for activated carbons, in particular in the case of saturated carbons and prolonged machine downtime

TECHNICAL DATA

CARB/CF Painted iron construction	CARB/CA AISI 304 stainless steel construction	CARBON Kg	Ø mm	BED HEIGHT mm	FILTERING SURFACE m ²	AIR FLOW RATE / T _{CONT} (V _{ATT} = 0,3 M/S) m ³ /h / s	AIR FLOW RATE / T _{CONT} (V _{ATT} = 0,4 M/S) m ³ /h / s	DIMENSIONS (A x B x H) mm
CARB/CF800-1	CARB/CA800-1	300	800	1000	0,50	550 / 3,3	750 / 2,4	1000 x 1000 x 3000
CARB/CF900-1	CARB/CA900-1	380	900	1000	0,63	700 / 3,3	900 / 2,4	1100 x 1100 x 3000
CARB/CF1000-1	CARB/CA1000-1	470	1000	1000	0,78	850 / 3,3	1100 / 2,4	1200 x 1200 x 3000
CARB/CF1200-1	CARB/CA1200-1	680	1200	1000	1,13	1250 / 3,3	1600 / 2,4	1400 x 1400 x 3500
CARB/CF1500-1	CARB/CA1500-1	1060	1500	1000	1,75	1900 / 3,3	2550 / 2,4	1700 x 1700 x 3500
CARB/CF2000-1	CARB/CA2000-1	1900	2000	1000	3,14	3400 / 3,3	4500 / 2,4	2200 x 2200 x 3500
CARB/CF800-12	CARB/CA800-12	150	800	500	0,50	550 / 1,65	750 / 1,2	1000 x 1000 x 3000
CARB/CF900-12	CARB/CA900-12	190	900	500	0,63	700 / 1,65	900 / 1,2	1100 x 1100 x 3000
CARB/CF1000-12	CARB/CA1000-12	235	1000	500	0,78	850 / 1,65	1100 / 1,2	1200 x 1200 x 3000
CARB/CF1200-12	CARB/CA1200-12	340	1200	500	1,13	1250 / 1,65	1600 / 1,2	1400 x 1400 x 3500
CARB/CF1500-12	CARB/CA1500-12	530	1500	500	1,75	1900 / 1,65	2550 / 1,2	1700 x 1700 x 3500
CARB/CF2000-12	CARB/CA2000-12	950	2000	500	3,14	3400 / 1,65	4500 / 1,2	2200 x 2200 x 3500

The suitability of the type of filter, the air flow rate and the type of cleaning must be checked according to any regulatory restrictions in force in the place of installation. The standard supply does not include activated carbon. Carbosorb 54 is supplied upon request.

COMPONENTS



1. Air outlet
2. Carbon loading hatch
3. Activated carbon bed
4. Carbon discharge hatches
5. Air distribution system
6. Air inlet

PRODUCTIONS



ABSORPTION INDEX FOR VARIOUS SUBSTANCES

1: High hold-up - 2: Medium hold-up - 3: Low hold-up - 4: Very low hold-up

Acetaldehyde	3	Citrus fruits	1	Ethylene oxide	3	Mercaptans	1	Petrol	1
Acetic acid	1	Clorobutadiene	1	Ethyl formate	2	Mercury (vapors)	4	Phenol	1
Acetic anhydride	1	Cloronitropropano	1	Ethyl mercaptan	1	Mesityl oxide	1	Phosgene	2
Acetone	2	Clororintropoano	1	Ethyl silicate	1	Methane	2	Propanal	2
Acetonitrile	3	Combustion (odors)	1	Ethyl silicates	1	Methanol	1	Propane	3
Acetylene	4	Corrosive gases	3	Fertilizer	1	Methyl acetate	2	Propanol	1
Acrolein	2	Creosol	1	Fertilizers	1	Methyl acrylate	1	Propionaldehyde	2
Acrylic acid	1	Creosote	1	Fish (odors)	1	Methyl alcohol	2	Propionic acid	1
Acrylonitrile	1	Cresol	1	Fluorotrichloromethane	2	Methyl bromide	2	Propyl acetate	1
Alcohol (odors)	1	Cyclohexane	1	Food (flavors)	1	Methylcellosolve	1	Propyl acetate	1
Aldehyde butirica	2	Cyclohexanol	1	Formaldehyde	3	Methylcellosolve acetate	1	Propyl alcohol	1
Aldehyde valerica	1	Cyclohexanone	1	Formic acid	2	Methyl chloride	2	Propyl chloride	1
Allyl chloride	1	Cyclohexene	1	Freon 11	2	Methyl chloroform	1	Propylene	3
Amines	3	Dean	1	Freon 113	2	Methylcyclohexane	1	Propyl ether	1
Ammonia	3	Detergents	1	Freon 12	2	Methylcyclohexanol	1	Propylmercaptan	1
Amyl acetate	1	Dibromoethane	1	Fruit	1	Methylcyclohexanone	1	Putrefaction (odors)	1
Amyl alcohol	1	Dichlorethyl ether	1	Fuels	1	Methylene chloride	1	Pyridine	1
Amyl ether	1	Dichlorobenzene	1	Fumes	1	Methyl ether	2	Resins	1
Aniline	1	Dichlorodifluoromethane	2	Heptane	1	Methyl ethyl ketone	1	Rubber	2
Antiseptics	1	Dichloroethane	1	Hexane	2	Methyl formate	2	Sewer (odors)	1
Asphalt (vapors)	1	Dichloroethylene	1	Hexene	2	Methyl isobutyl ketone	3	Sitrene monomer	1
Benzene	1	Dichloro ethyl ether	1	Hospitals (odors)	1	Methyl mercaptan	1	Slaughterhouses (odors)	2
Blood (odors)	2	Dichlorofluoromethane	1	Hydrochloric acid	3	Methyl methacrylate ester	1	Squaring	1
Body odor	1	Dichloropropane	1	Hydrofluoric acid	3	Metilbutilchetone	1	Stain removers (products)	1
Bromine	1	Dichlorotetrafluoroethane	2	Hydrogen	4	Metilglicole	1	Stickers	1
Butadiene	2	Dicloromonofluorimetro	2	Hydrogen bromide	3	Monochlorobenzene	2	Styrene monomer	1
Butane	3	Dicloronitroetano	1	Hydrogen chloride	2	Monofluoritri		Sulfur compounds	1
Butanone	1	Dicyclopentadiene	1	Hydrogen cyanide	2	chloromethane	3	Sulfuric acid	1
Butene	1	Diesel (fumes)	1	Hydrogen cyanide	2	Naphtha	1	Sulfur trioxide	2
Butilcellosive	1	Diesel (vapors)	1	Hydrogen fluoride	3	Naphthalene	1	Sulphur dioxide	3
Butyl acetate	1	Diethylamine	2	Hydrogen iodide	2	Neftalene	1	Sulphurous gases	3
Butyl alcohol	1	Diethyl ketone	1	Hydrogen selenate	3	Nicotine	1	Tar	1
Butyl chloride	1	Dimethylaniline	1	Hydrogen selenide	3	Nitric acid	2	Tetrachlorethylene	1
Butylene	3	Dimethyl sulfate	1	Hydrogen sulfide	2	Nitrobenzene	1	Tetrachloroethane	1
Butyl ether	1	Dimethyl sulfide	2	Hydrogen sulphide	2	Nitroethane	1	Tetrahydrofuane	1
Butyric acid	1	Dimethyl sulphate	1	Hydroiodic acid	2	Nitrogen dioxide	3	Thiophene	1
Camphor	1	Dioxane	1	Indole	1	Nitrogen dioxide	3	Toluene	1
Caprylic acid	1	Dipropilchetone	1	Iodine	1	Nitroglycerin	1	Toluene diisocyanate	1
Carbolic acid	1	Epichlorohydrin	1	Iodoform	1	Nitromethane	1	Toxic gases	2
Carbolic acid	1	Eptilene	1	Isopropanol	1	Nitropropane	1	Trichloroethane	1
Carbon dioxide	3	Esine	2	Isopropyl acetate	1	Nitrotoluene	1	Trichloroethylene	1
Carbon dioxide	3	Ethane	4	Isopropyl acetate	1	Nonane	1	Turpentine	1
Carbon disulphide	2	Ethanol	1	Isopropyl alcohol	1	Octane	1	Urea	1
Carbonic acid	4	Ethanol	2	Isopropyl chloride	1	Octene	1	Uric acid	1
Carbon monoxide	1	Ether	2	Isopropyl ether	1	Ozone	1	Valeraldehyde	1
Carbon tetrachloride	1	Ethyl acetate	1	Kerosene	1	Paints (fumes)	1	Valeric acid	1
Carprilic acid	1	Ethyl acetate	1	Kitchen (odors)	1	Palmitic acid	1	Vapors	2
Cellosolve	1	Ethyl acrylate	1	Krypton (delay)	1	Paper deteriorated	1	Various solvents	2
Cellosolve acetate	1	Ethyl acrylate	1	Lactic acid	1	Para-dichlorobenzene	1	Vinegar	1
Chlorine	2	Ethylbenzene	1	Liquid fuels	1	Pentane	2	Vinyl acetate	1
Chlorobenzene	1	Ethyl bromide	1	Liquors (odors)	1	Pentanone	1	Vinyl chloride mono	1
Chloroethanol	1	Ethyl bromide	2	Lubricants, greases and oils	1	Pentene	2	Xeno (delay)	1
Chloroform	1	Ethyl chloride	1	Lubricating oils	1	Pentyl	2	Xylene	1
Chloropicrin	1	Ethyl chloride	2	Lysol	1	Perchloroethylene	1		
Cigarettes (fumes)	1	Ethylene	4	Menthol	1	Pesticides	1		



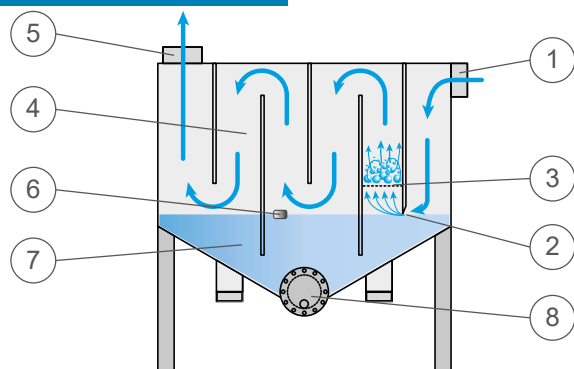
USE

- Explosive dust suppression
- Spark suppression
- Suppression of dust with a tendency to solidify
- Suppression of fumes and hygroscopic dust

FEATURES

- Construction in painted carbon steel or AISI 304 stainless steel
- "Labyrinth" system to obtain high levels of nebulization and separation
- Water level maintained through float
- Solenoid valve at the inlet of the water make-up hydraulic circuit
- Side walls in transparent lexan for continuous monitoring of the system
- Easy management and maintenance

OPERATIONS

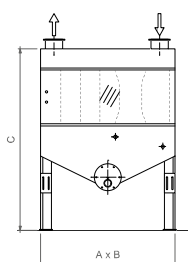
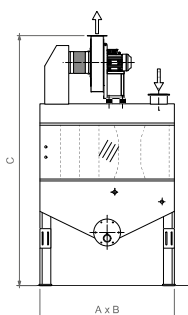


1. Air inlet
2. Contact throat
3. Bubbling grill
4. Labirinth bulkheads
5. Air outlet
6. Water level probe
7. Water tank
8. Water discharge

TECHNICAL DATA

BUB/L Painted carbon steel	BUB/X AISI 304 stainless steel	POWER kW (2800 rpm)	ΔP DISP. mm H ₂ O	ΔP FILTER mm H ₂ O	MAX AIR FLOW RATE m ³ /h	WATER lt	EMPTY WEIGHT Kg	DIMENSIONS (A x B x C) mm
BUB/L2	BUB/X2	2,2	100	100	1500	150	320	1250 x 500 x 2350
BUB/L4	BUB/X4	3	80	100	3000	250	420	1500 x 600 x 2650
BUB/L6	BUB/X6	5,5	100	100	5000	380	500	2000 x 750 x 2650
BUB/L8	BUB/X8	5,5	100	100	7000	500	575	2000 x 1000 x 2650

BUB/LS Painted carbon steel	BUB/XS AISI 304 stainless steel	POWER kW (2800 rpm)	ΔP DISP. mm H ₂ O	ΔP FILTER mm H ₂ O	MAX AIR FLOW RATE m ³ /h	WATER lt	EMPTY WEIGHT Kg	DIMENSIONS (A x B x C) mm
BUB/L2S	BUB/X2S	-	-	100	1500	150	270	1250 x 500 x 1700
BUB/L4S	BUB/X4S	-	-	100	3000	250	360	1500 x 600 x 1900
BUB/L6S	BUB/X6S	-	-	100	5000	380	430	2000 x 750 x 1900
BUB/L8S	BUB/X8S	-	-	100	7000	500	500	2000 x 1000 x 1900



The suitability of the type of filter, the air flow rate and the type of cleaning must be checked according to any regulatory restrictions in force in the place of installation.

SPARE PARTS

- **[PL/L5]** Lexan polycarbonate, thickness 5 mm
- **[EV/BUB]** Water solenoid valve 3/4"

REALIZZAZIONI





USE

- Explosive dust suppression
- Spark suppression
- Suppression of dust with a tendency to packing
- Suppression of fumes and hygroscopic dust

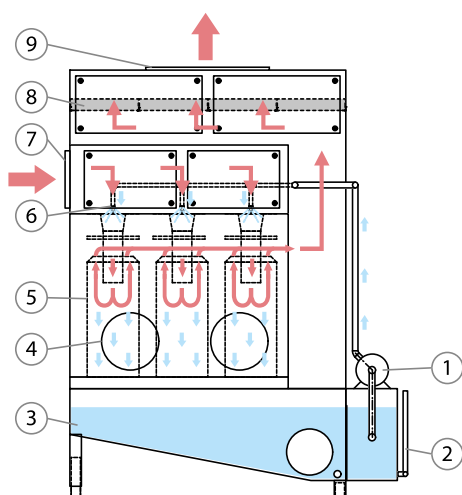
FEATURES

- Washing liquid atomization system
- Horizontal development to contain the space in height
- Atomization elements with Venturi system and nozzles
- Continuous recirculation of the washing liquid
- Water make-up system with solenoid valve and electric level
- Very high performance/price ratio
- Sturdy construction in painted carbon steel or AISI 304 stainless steel
- Ease of use and maintenance: easily accessible cartridges for quick replacement
- Made in Italy

STANDARD SUPPLY

- Recirculation pump
- Droplet eliminators
- Level switch

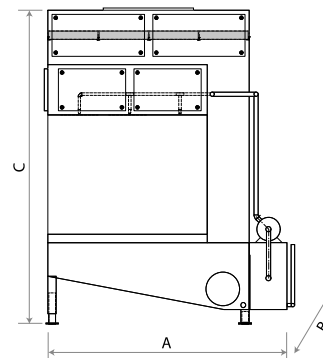
OPERATION



1. Recirculation pump
2. Levels control
3. Water tank
4. Porthole
5. Atomization element
6. Nozzles
7. Air inlet
8. Droplet eliminators
9. Air outlet

TECHNICAL DATA

BUB/VENT	BUB/VENT/X	ΔP STATIC	MAX AIR FLOW RATE	WATER	WEIGHT	DIMENSIONS
Painted carbon steel	AISI 304 stainless steel	mm H ₂ O	m ³ /h	Lt	Kg	(A x B x C) mm
BUB/VENT1	BUB/VENT1/X	120	2000	240	600	800 x 800 x 3000
BUB/VENT2	BUB/VENT2/X	120	4000	280	700	2000 x 800 x 3000
BUB/VENT4	BUB/VENT4/X	120	8000	310	850	2250 x 1300 x 3000
BUB/VENT6	BUB/VENT6/X	120	12000	350	1000	2850 x 1300 x 3000
BUB/VENT8	BUB/VENT8/X	120	16000	400	1200	3500 x 1300 x 3500
BUB/VENT10	BUB/VENT10/X	120	20000	450	1500	4100 x 1300 x 3500



The suitability of the type of filter, the air flow rate and the type of cleaning must be checked according to any regulatory restrictions in force in the place of installation.

SPARE PARTS

- [BUB/UG] Spray nozzle

PRODUCTIONS





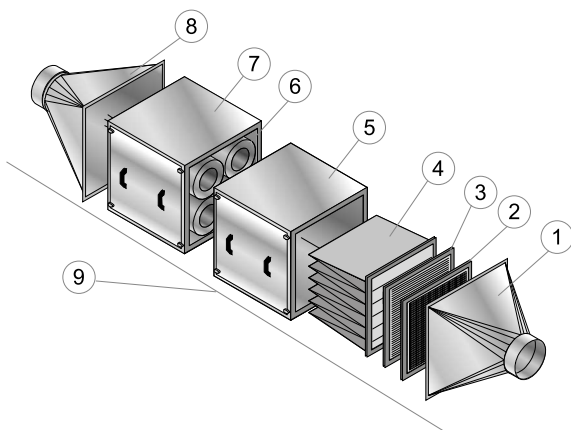
USE

- Centralized systems with air flows polluted by welding fumes and carpentry work
- Centralized systems with air flows containing dust in low concentrations
- Filtration of air flows from workplace ventilation
- Prefiltration in systems with subsequent filtration stages that must be protected from dust pollution (for example activated carbon filters)
- Filtration of fumes in general

FEATURES

- Sturdy construction in painted sheet metal
- 3-stage filtration: metal prefilter, acrylic prefilter, class F7 final pocket filter (higher on request)
- Module (optional) with activated carbon cartridges
- Progressive density polypropylene fiber filter media
- Filter inspection hatch
- Modularity of the DEVID system: the filters can be combined in parallel to reach very high flow rates
- In models with modules on two columns (DV2o, DV4o, DV6o) the filters can be accessed for replacement from a single door located in front

COMPONENTS



1. **DVn/M** Air inlet reduction
2. Metallic prefilter
3. Acrylic prefilter
4. Pocket filter
5. **DVn/F** Central body of filters
6. Activated carbon cartridges (optional)
7. **DVn/C** Module (optional) with activated carbon cartridges
8. **DVn/M** Air outlet reduction
9. **DVn/T** Complete module with reductions

STANDARD SUPPLY

- Acrylic prefilter, metallic prefilter, F7 efficiency class pocket filter

RESTRICTIONS

- Air effluents with temperatures above 70 °C
- Plastic fumes
- Packing fumes
- Flammable powders

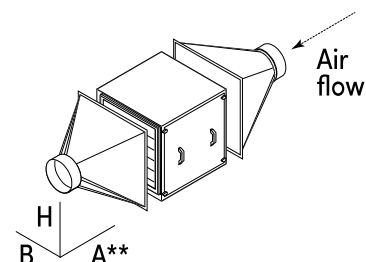
TECHNICAL DATA

MODEL	ASSEMBLY	POCKET FILTERS (MF 95 V) n	FILTERING SURFACE m ²	ACTIVATED CARBON FILTERS (DV N C OPTIONAL) n	ACTIVATED CARBON Kg	MAX FLOW RATE * m ³ /h	DIMENSIONS ** (INCLUDING REDUCTIONS) A x B x H (mm)
DV1/T		1	8,8	4	28	1500-2500	840 (+1000) x 705 x 705
DV2o/T		2	17,6	8	56	3000-5000	840 (+1000) x 1410 x 705
DV2v/T		2	17,6	8	56	3000-5000	840 (+1200) x 705 x 1410
DV3/T		3	26,4	12	84	4500-7500	840 (+1600) x 705 x 2115
DV4o/T		4	35,2	16	112	6000-10000	840 (+1200) x 1410 x 1410
DV4v/T		4	35,2	16	112	6000-10000	840 (+2000) x 705 x 2820
DV5/T		5	44	20	140	7500-12500	840 (+2400) x 705 x 3525
DV6o/T		6	52,8	24	168	9000-15000	840 (+1600) x 1410 x 2115
DV6v/T		6	52,8	24	168	9000-15000	840 (+2600) x 705 x 4230
DV8/T		8	70,4	32	224	12000-17500	840 (+2000) x 1410 x 2820
DV10/T		10	88	40	280	15000-20000	840 (+2400) x 1410 x 3525
DV12/T		12	105,6	48	336	18000-24000	840 (+2600) x 1410 x 4230

The suitability of the type of filter, the air flow rate and the type of cleaning must be checked according to any regulatory restrictions in force in the place of installation.

* The maximum flow rate is a recommended value and can decrease, even considerably, depending on the pollutant

** The width A doubles in the presence of the optional module with DVn/C activated carbon filters



OPTIONAL

- **[MS/DV]** Floor support shelf
- **[MN/DG/24VAC]** Digital pressure gauge – 24VAC power supply. It needs to be set up on the control panel
- **[MN/DG/BATT]** Battery-powered digital pressure gauge
- **[DIE/F8/30]** Diedro filter 30 m² – F8 efficiency
- **[DV/M]** Connection hopper
- **[DV/G]** Protective grille

SPARE PARTS

- **[MF95/V]** F7 efficiency glass fiber pocket filter
- **[PREF]** Flat acrylic prefilter, ht 22 mm
- **[SCINT]** Flat metal prefilter, ht 22 mm
- **[CARB/KG]** AC54 Carbsorb carbon
- **[CAR25]** Activated carbon cartridge, kg 7.50

PRODUCTIONS





USE

- Centralized and localized systems for fumes and oil mists extraction from processing on machine tools
- Welding fumes and fumes from metal stamping
- Oily mist and vapors from heat treatments
- Rubber and plastic molding and plasticizing operations
- Aluminum die casting operations

FEATURES

- Lower energy consumption and lower running costs thanks to the low pressure drops
- Simple and economical maintenance, reduced to a simple soaking wash with water and detergent
- Maintenance at scheduled and constant intervals, combined with the use of appropriate substances, guarantees an unlimited duration
- The oily particles after being sucked and retained by the electrostatic filter, drain due to their own weight, at the same time cleaning the filter
- Abatement of suspended particles up to 0.01 micron in diameter

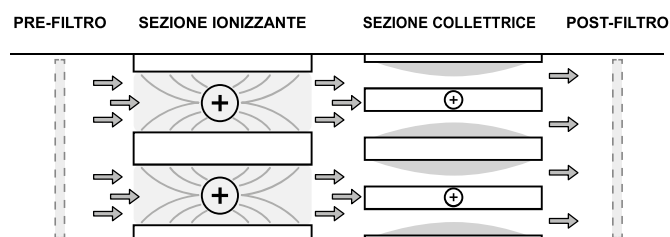
STANDARD SUPPLY

- Filter module with ionizing cell, collecting cell, metal prefilter and postfilter and transformer
- Fan and inlet chamber (GGS VENT and GGS T-VENT versions)

RESTRICTIONS

- Air effluents with temperatures above 65 °C
- Air effluents with powders and chips

OPERATION



- The exhalations arrive at the first battery of the electrostatic filter, consisting of a mechanical pre-filter, which stops the coarsest particles and makes the air flow uniform
- The particles are then electrically charged through the ionizing cell and then broken down in the collector cell by the ground plates
- The post-filter evens out the outgoing air flow

TECHNICAL DATA

Model	MAX FLOWRATE m ³ /h	FAN	POWER kW	VOLTAGE (IN) V / Hz	ΔP AVAILABLE mm H ₂ O	PRE/POST FILTERS n	IONIZING / COLLECTING CELLS n	WEIGHT Kg	DIMENSIONS (A x B x C) mm
GG S C [Without fan and hopper]									
GG S10/C	1800	-	-	220 / 50	-	1/1	1/1	65	640 x 670 x 610
GG S20/C	3600	-	-	220 / 50	-	2/2	2/2	95	640 x 1120 x 610
GG S40/C	7200	-	-	220 / 50	-	4/4	4/4	190	640 x 1120 x 1220
GG S60/C	10800	-	-	220 / 50	-	6/6	6/6	265	640 x 1120 x 1830
GG S80/C	14400	-	-	220 / 50	-	8/8	8/8	380	640 x 1120 x 2440
GG S100/C	18000	-	-	220 / 50	-	10/10	10/10	475	640 x 1120 x 3050
GG S120/C	21600	-	-	220 / 50	-	12/12	12/12	570	640 x 2240 x 1830

GG S VENT [With ventilator, box and air inlet chamber]

GG S10/VENT-07	1800	9/7 (1000 rpm)	0,75	400 / 50	60	1/1	1/1	200	1900 x 670 x 610
GG S20/VENT-1	3600	9/7-2 (1000 rpm)	1,5	400 / 50	60	2/2	2/2	240	1950 x 1150 x 610
GG S40/VENT-4	7200	15/15 (1200 rpm)	4	400 / 50	110	4/4	4/4	355	2100 x 1150 x 1220

GG S T/VENT [Tandem (2 filters combined one behind the other) with fan, box and air inlet chamber]

GG S10-T/VENT-07	1800	9/7 (1000 rpm)	0,75	400 / 50	55	2/2	2/2	265	2540 x 670 x 610
GG S20-T/VENT-1	3600	9/7-2 (1000 rpm)	1,5	400 / 50	55	4/4	4/4	335	2590 x 1150 x 610
GG S40-T/VENT-4	7200	15/15 (1200 rpm)	4	400 / 50	105	8/8	8/8	535	2750 x 1150 x 1220

The suitability of the type of filter, the air flow rate and the type of cleaning must be checked according to any regulatory restrictions in force in the place of installation.
Ionizer/collector output voltage: 12000/6000V

It is possible to reach higher flow rates by combining the modules (example: GGS80/C + GGS80/C for 28.800 m³/h)

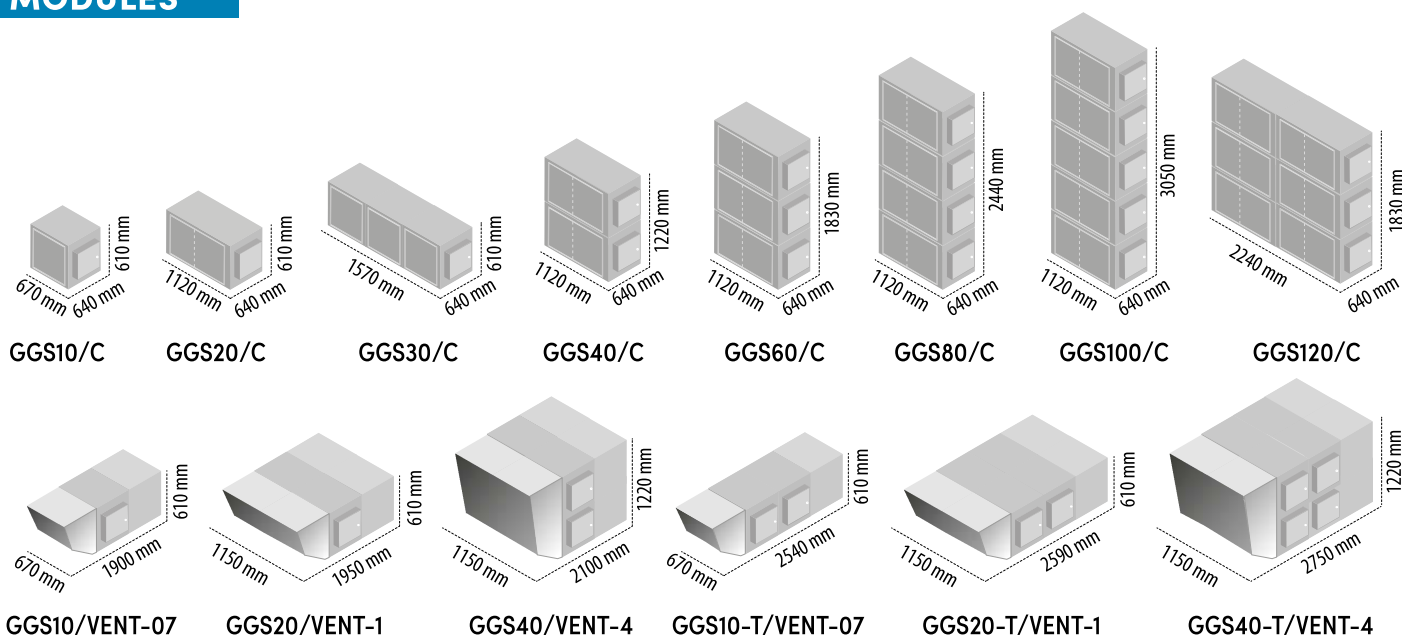
OPTIONAL

- Pre-filtration stage with panels
- Ground shelf
- Hopper for electrostatic filter
- Detergent for cleaning filters
- PVC siphon
- Panel with micro key on filter doors and wired fan door on machine, fan, under panel and micro

SPARE PARTS

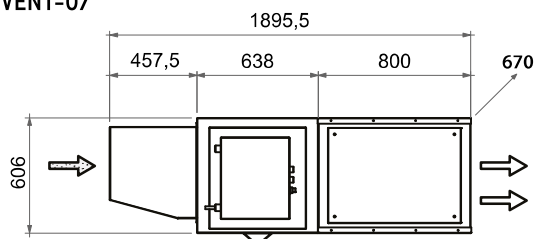
- **[COLLET]** Collector cell
- **[JON]** Ionizing cell
- **[PREF/SMOG]** Pre-filters in aluminum mesh 455x465x20 mm
- **[TRAS]** High voltage transformer
- **[TUNG]** Tungsten wires
- **[ISOL]** Door isolator
- **[ISOL/P]** Support insulator for ionizing cell
- **[LAMP]** Function bulbs
- **[GUAR/SH]** Door seal
- **[GUAR/SH/PVC]** Door seal in PVC
- **[ASSEMBLY]** Spacer
- **[GG/MI]** Switch spring
- **[MOLL/CC]** SHORT type conical spring on collector cell
- **[MOLL/CL]** LONG type conical spring on ionizing cell
- **[MOLL/T]** Support springs

MODULES

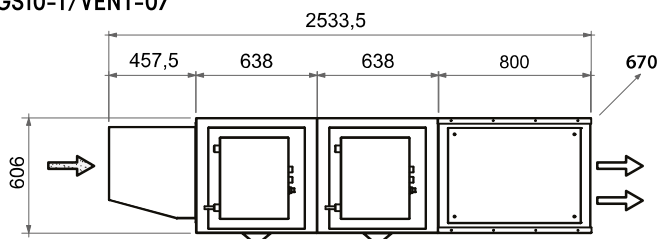


DIMENSIONS

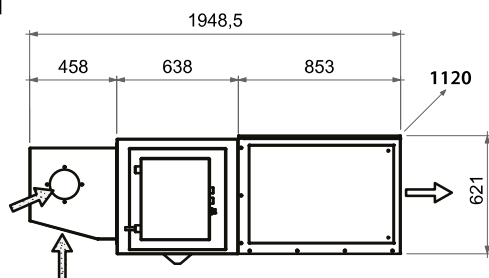
GGG10/VENT-07



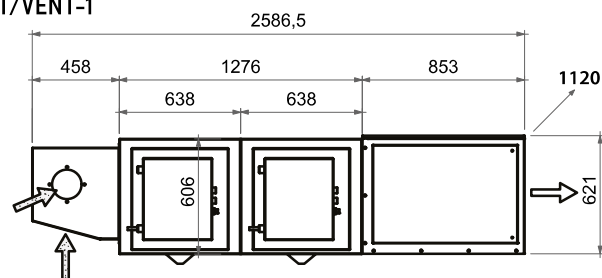
GGG10-T/VENT-07



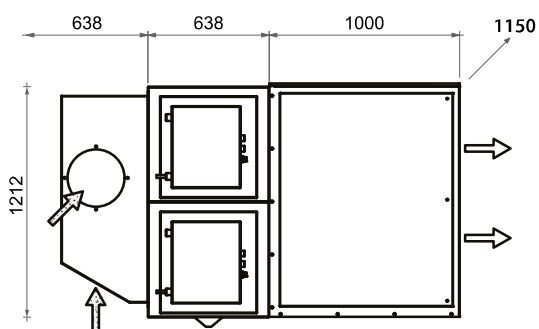
GGG20/VENT-1



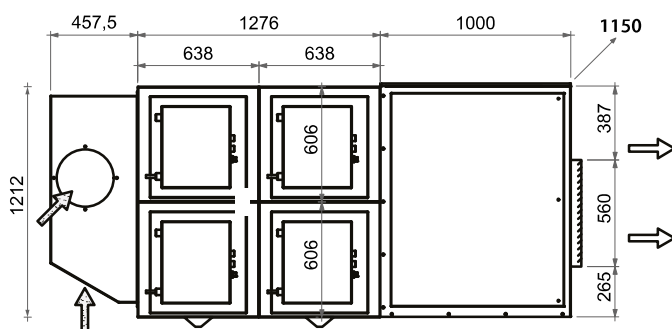
GGG20-T/VENT-1



GGG40/VENT-4



GGG40-T/VENT-4



PRODUCTIONS



USE

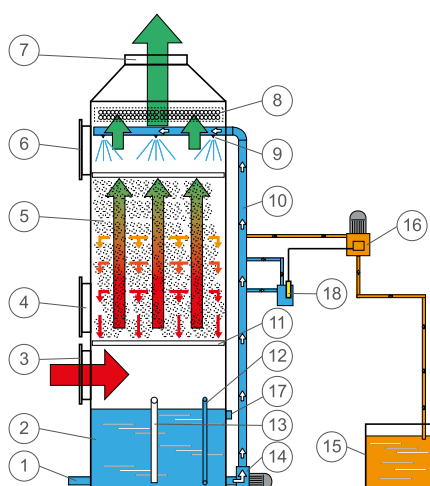
- Odor reduction in the waste, composting and other sectors
- Abatement of ammonia and other substances that are easily soluble in water
- Abatement of acids and bases (hydrochloric acid, hydrogen sulphide, peracetic acid, sulfur and sulfuric anhydrides, hydrogen peroxide)
- Galvanic industry

FEATURES

- Polypropylene construction
- Construction with static beds or floating beds
- Special horizontal bed construction
- Special sizing based on the type and concentration of pollutant to be treated
- Applications with use of water only or with chemical reagent dosing systems
- Low initial and running costs
- Made in Italy



OPERATION



- The air enters the tower from below and then goes up and through the central part.
- In this area there is contact with water which can be added with chemicals to obtain the abatement reaction.
- The water is sprayed from above through nozzles which are fed by a pump that draws water from the bottom of the scrubber (tank).
- The contact between the liquid phase and the gaseous one occurs on a surface which is constituted by the filling body of the tower, supported by special grids.
- The filling is made up of special materials with geometry designed to offer large contact surfaces.

- | | | |
|---|---------------------------------------|---------------------------------------|
| 1. Washing liquid discharge | 7. Treated air outlet | 14. Washing liquid recirculation pump |
| 2. Washing liquid tank | 8. Droplet separator | 15. Reagent additive (optional) |
| 3. Air inlet | 9. Spray nozzles | 16. Reagent dosing pump (optional) |
| 4. Porthole for the discharge of the filling bodies | 10. Washing liquid recirculation tube | 17. Water reinstate |
| 5. Liquid-air contact area | 11. Filling bodies support grid | 18. PH / Redox probe (optional) |
| 6. Porthole for loading the filling bodies | 12. Liquid level control | |
| | 13. Overflow drain | |

TECHNICAL DATA

MODEL	PLANKING HEIGHT mm	Ø TOWER mm	BED HEIGHT mm	AIR FLOW RATE ($V_{ATT} = 1,0 \text{ M/S}$, $T_{CONT} = 2,0 \text{ SEC}$) m ³ /h	AIR FLOW RATE ($V_{ATT} = 1,5 \text{ M/S}$, $T_{CONT} = 1,35 \text{ SEC}$) m ³ /h	AIR FLOW RATE ($V_{ATT} = 2,0 \text{ M/S}$, $T_{CONT} = 1,0 \text{ SEC}$) m ³ /h
SCRUB PP 12	5500	1200	2000	4.000	5.000	8.000
SCRUB PP 13	5500	1300	2000	4.800	7.000	9.400
SCRUB PP 14	5500	1400	2000	5.500	8.500	11.000
SCRUB PP 16	5500	1600	2000	6.400	10.000	14.400
SCRUB PP 18	5500	1800	2000	9.200	12.500	18.200
SCRUB PP 19	5500	1900	2000	10.200	15.000	20.400
SCRUB PP 21	6000	2100	2000	12.500	17.500	24.800
SCRUB PP 22	6000	2200	2000	13.700	20.000	27.200
SCRUB PP 24	6000	2400	2000	16.300	25.000	32.400
SCRUB PP 27	6500	2700	2000	20.500	30.000	41.000
SCRUB PP 30	6500	3000	2000	25.500	38.000	50.600
SCRUB PP 32	6500	3200	2000	29.000	43.000	57.400
SCRUB PP 35	6500	3500	2000	34.500	52.000	69.000

The suitability of the type of filter, the air flow rate and the type of cleaning must be checked according to any regulatory restrictions in force in the place of installation. Scrubbers with different diameters and different filling body heights are available on request. Special versions: Venturi Scrubber - Plate scrubber - Floating bed scrubber.

OPTIONAL

- **[DOS/REA]** Reagent dosing system, ph + dosing probe
- **[DOS/REA/V]** Reagent dosing system, ph + dosing probe + 1500 lt tank
- **[QE/SCR]** Pump management panel, levels (no ph)
- **[SCR/LET/FLO]** Version with floating bed, ht. 1000 mm
- **[SCR/LET/15]** Version with bed, ht. 1500 mm
- **[SCR/LET/25]** Version with bed, ht. 2500 mm
- **[SCR/LET/30]** Version with bed, ht. 3000 mm

SPARE PARTS

- **[ER50]** Conical filling bodies, Ø 24x50 mm
- **[CR/SF38]** Spherical filling bodies, Ø 38 mm
- **[CR/SF45]** Spherical filling bodies, Ø 45 mm

PRODUCTIONS





USE

- Used as a pre-separation stage in more complex plants
- Coarse dust removal
- Plants where it is not possible to use mechanical or other filtration
- Very high dust concentration
- Removal of coarser particles that could damage subsequent filtration stages
- Woodworking industry, cement industry, sawmills, refineries, metalworking industry

FEATURES

- Available with medium and high performance geometries
- High efficiencies on coarse particles: dust separation efficiency up to 90% for particle size not lower than 10 μm
- Easy dust recovery thanks to the dust collection bin (rotary valves or other discharge systems on request)
- Very simple units that require little maintenance
- Support legs

PRODUCTIONS



TECHNICAL DATA

MODEL	MAX AIR FLOW RATE m ³ /h	INLET mm	Ø OUTLET mm	Ø UNLOAD mm	DIMENSIONS (Ø x ht) mm
CICL ZG [Medium efficiency pre-separator cyclone, in galvanized metal sheet, with support legs]					
CICL/ZG/P/750	4000	350 x 175	400	200	750 x 2350
CICL/ZG/P/1000	6500	400 x 250	500	280	1000 x 3100
CICL/ZG/P/1250	10000	520 x 300	650	350	1250 x 3850
CICL/ZG/P/1600	17000	700 x 400	800	450	1600 x 4400
CICL NGA [High performance pre-separator cyclone, in painted metal sheet, with support legs]					
CICL5/NGA	1200 - 2000				Ø 500
CICL6/NGA	1550 - 4150				Ø 600
CICL7/NGA	3000 - 4600				Ø 700
CICL8/NGA	4000 - 5100				Ø 800
CICL9/NGA	5000 - 5800				Ø 900
CICL10/NGA	4350 - 6500				Ø 1000
CICL12/NGA	6200 - 9350				Ø 1200
CICL13/NGA	8500 - 11000				Ø 1300
CICL14/NGA	9500 - 13000				Ø 1400
CICL15/NGA	8650 - 14600				Ø 1500
CICL16/NGA	13000 - 17000				Ø 1600
CICL18/NGA	13500 - 20000				Ø 1800
CICL20/NGA	18000 - 22000				Ø 2000

The suitability of the type of filter, the air flow rate and the type of cleaning must be checked according to any regulatory restrictions in force in the place of installation.

VERSIONS

