



**HASCON
ENGINEERING®**
AIR FILTRATION SYSTEMS & VENTILATION



Bag Compact®

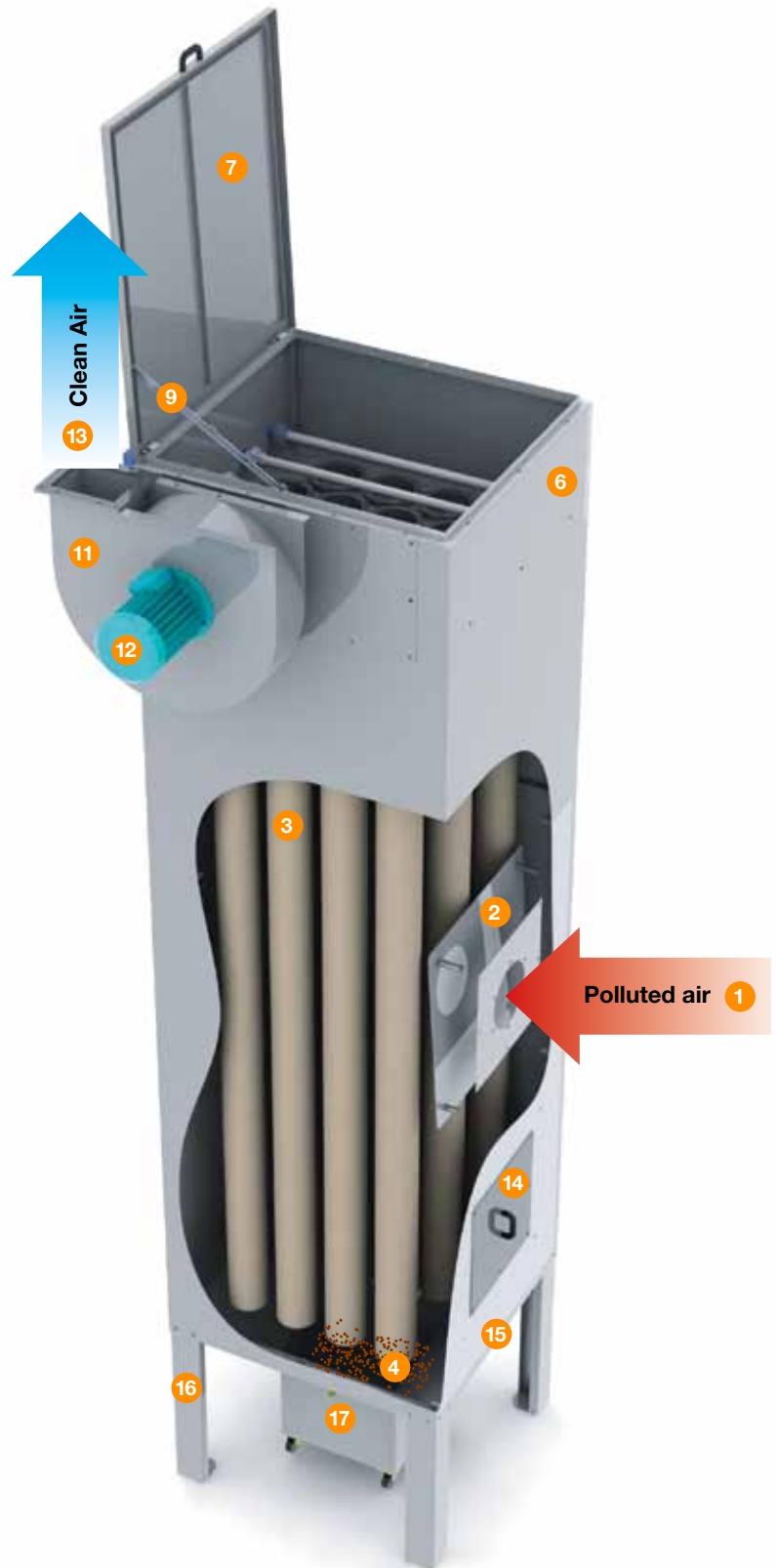
PC-Bag range
Compressed air self-cleaning bag filters

A cleaner world.

Bag Compact®



- 1 Polluted air inlet flange
- 2 Prechamber
- 3 Bags
- 4 Coarse particles
- 5 Frames
- 6 Plenum
- 7 Removable top allowing bags extraction
- 8 Compressed air tank
- 9 Top opening mechanism
- 10 Solenoid valves
- 11 Centrifugal fan
- 12 Motor
- 13 Clean air outlet
- 14 Inspection door
- 15 Hopper
- 16 Legs
- 17 Dust collection bin
- 18 Backwash ramps

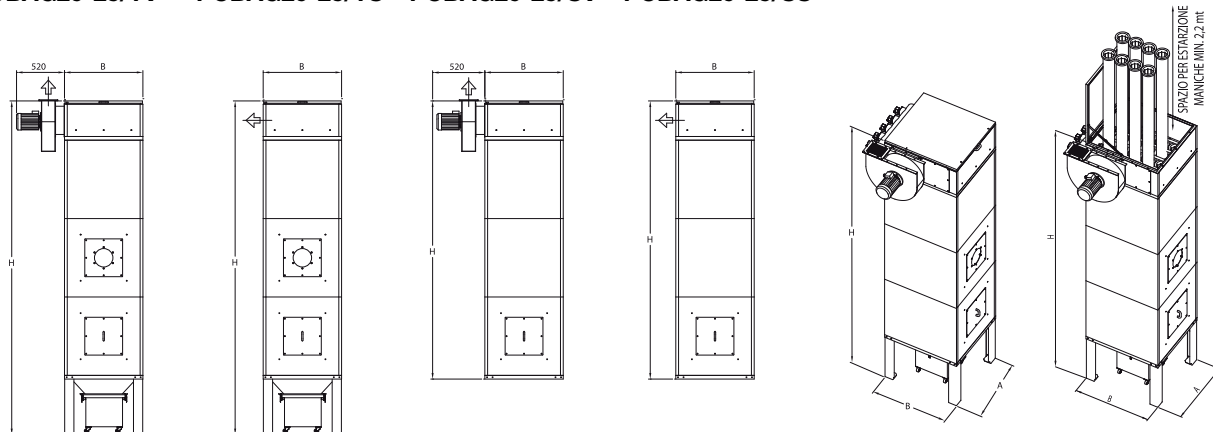


Operation

Polluted air enters the filter through a pre-chamber which enables separation of coarser particles; the flow then passes through the bags, depositing the contaminant outside, while clean air is discharged from filter plenum. An electronic cycle provides for bag sequential cleaning with compressed air.

Bag Compact® PC-Bag Range

PCBAG20-25/TV PCBAG20-25/TS PCBAG20-25/SV PCBAG20-25/SS



Bag Compact® series PC-Bag

The Bag Compact® range includes the T version with hopper and dust collection bin and the S version without hopper. Both models may include an electric fan (TV-SV) or not (TS-SS).

CODE	Filtering surface m ²	Airflow m ³ /h	H tot. mm H ₂ O	Power kW	A mm	B mm	H mm	Inlet flange Ø mm
PCBAG020/TV	19,6	1800	190	1,5	850	900	3620	200
PCBAG020/TS	19,6	1000/2250	-	-	850	900	3620	200
PCBAG020/SV	19,6	1800	190	1,5	850	900	3000	-
PCBAG020/SS	19,6	1000/2250	-	-	850	900	3000	-
PCBAG040/TV	39,3	3600	200	3	1700	900	3620	300
PCBAG040/TS	39,3	2000/4500	-	-	1700	900	3620	300
PCBAG040/SV	39,3	3600	200	3	1700	900	3000	-
PCBAG040/SS	39,3	2000/4500	-	-	1700	900	3000	-
PCBAG060/TS	58,9	3000/6750	-	-	2550	900	3620	2 x 250
PCBAG060/SS	58,9	3000/6750	-	-	2550	900	3000	-
PCBAG080/TS	78,5	4000/9000	-	-	3400	900	3620	2 x 300
PCBAG080/SS	78,5	4000/9000	-	-	3400	900	3000	-
PCBAG100/TS	98,1	5000/11250	-	-	4250	900	3620	2 x 300
PCBAG100/SS	98,1	5000/11250	-	-	4250	900	3000	-
PCBAG120/TS	117,8	6000/13500	-	-	5100	900	3620	3 x 300
PCBAG120/SS	117,8	6000/13500	-	-	5100	900	3000	-

Accessories

- Electric power board for fan control
- Analogue manometer for bag clogging check
- Cycle timer with DP control (economizer)



Bags extraction

Applications



- Dry processing on machine tools
- Chemical processing
- Pharmaceutical processing
- Plastic material processing
- Grinding
- Sandblasting
- Silo venting
- Marble cutting
- Plasma cutting



Filtering Bags

Filtering bags, assembled on the filter, feature a compressed air cleaning system through a sequential cycle.

Filtering materials:

- Polyester
- Teflon Polyester
- Antistatic Polyester

Dimensions: Ø 125 mm height: 2,500 mm

The Bag Compact® range can satisfy all your air filtration requirements thanks to:

- **Wide field of application**
.....
- **Efficiency**
Emissions $\leq 10 \text{ mg/Nm}^3\text{s}$
Emissions $\leq 5 \text{ mg/Nm}^3\text{s}$ on request
.....
- **Maintenance**
Reduced thanks to an efficient compressed air self-cleaning system
.....
- **Modularity**
20 to 120 filtering bags
1,000 m³/h to 13,500 m³/h
.....
- **Delivery within 20-30 days**
Stock availability of all semi-finished products
.....
- **Tailored solutions and customizations**
Special colours
60 Hz versions
Changes upon request
.....
- **Technical Support**
Identification of the most appropriate solution, in terms of both technology and cost-effectiveness
.....
- **Service**
Turnkey installation, if required
Scheduled maintenance provided by our skilled technicians
.....
- **Research and development**
Solid Works 3D
Cosmos finite element analysis
Room to run flow capacity, absorption, vibration,
noise and filter pressure drop tests
.....
- **Range**
Ventilated or unventilated
With or without hopper
Cyclic or economizer system for bag cleaning



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