

SCANDDUST

DUST COLLECTORS



- Modular designed dust collector
- Jetpulse cleaned cartridge filter
- Electronic cleaning control system
- Tailormade complete deliveries

ScandDust is a family of dust collectors designed to separate dry dust, powder and smoke in different industrial applications.

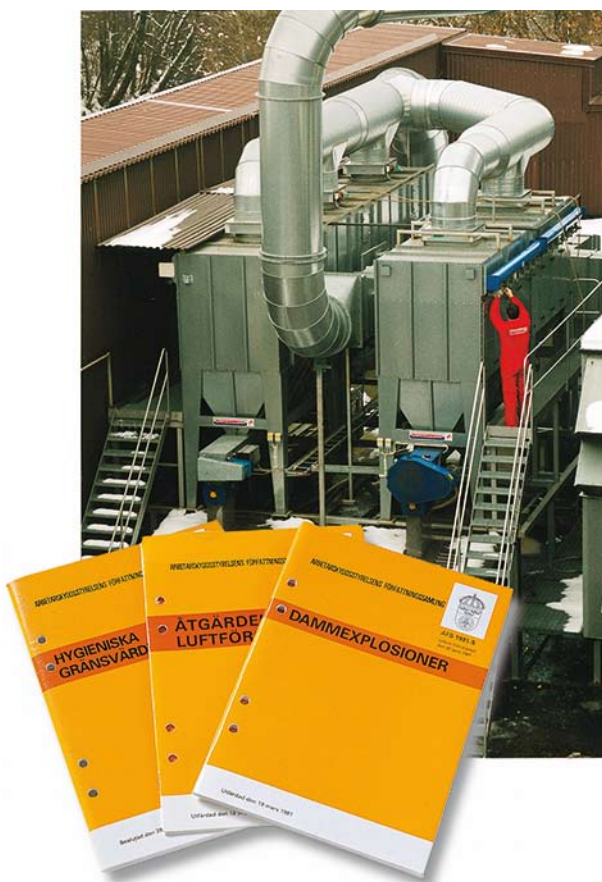
ScandDust is a compact, jetpulse cleaned cartridge filter for small and medium sized airflows and it can in most cases operate continuously. The collector is provided with a hinged service door on the side for easy service and inspection.

Every delivery is complete with an electronic, cleaning control system. A can for collected dust is basic standard.

Every system is in principal unique as type of dust, dust load, operating conditions, demands from the authorities etc varies. The engineers from Vokes-Air presents in every single case the most optimum solution for the actual problem.

The concept of Vokes-Air is to provide tailormade complete deliveries including commissioning.

ScandDust will meet the requirements from valid CE regulations.



FILTER CARTRIDGE

The heart in every **ScandDust** is of course the circular filter cartridge with pleated filter media where the dust is efficiently collected on the surface. The filter cartridges are easily installed in the collector with a bayonet socket.

The selection of quality of filter media, suitable load per m² etc are based upon the datas and specifications for each individual project in order to get the most efficient and reliable operation as possible.

Vokes-Air co-operates with the leading European suppliers of filter cartridges.



CLEANING

Every collector is provided with a cleaning system consisting of a compressed air tank, solenoid valves and blow pipes for distribution of the compressed air pulses to the filter cartridges.

CLEANING CONTROL SYSTEM

The cleaning control system consists of an electronic sequencer with an advanced micro-processor and an internal differential pressure sensor for automatic control of the diaphragm valves and the cleaning of the filter cartridges.

The unit has been tested and is in conformity with the European CE regulation EMC89/336, 73/23 and 93/68EEC.



The internal differential pressure sensor register the progress of the pressuredrop over the filter. When it exceeds the set value the cleaning sequence is started automatically.

The following functions are available.

- Automatic and manual operation
- Pulse and Cycle times
- Set Delta P
- Set Delta P alarm
- Automatic shut down cleaning at fan stop
- Precoating at starting up a new filter.

A LCD display indicates all the different preset values, time of operation, differential pressure drop during operation etc.

A detailed description is given upon request.

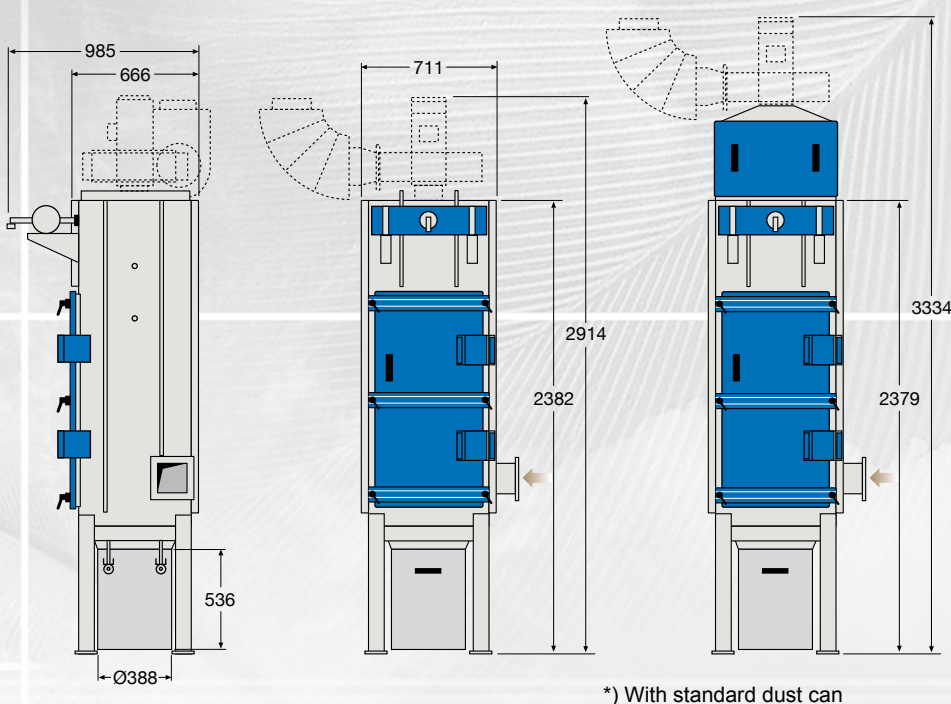
SCANDDUST SDM 15

ScandDust SDM 15 is the smallest unit in the family. **SDM 15** has only one filter cartridge and can be delivered with internal fan alternatively to be connected to an external fan.

In the version with internal fan the collector can also be provided with HEPA filter as final stage to meet extreme demands in connection with recirculation of the air into the room.

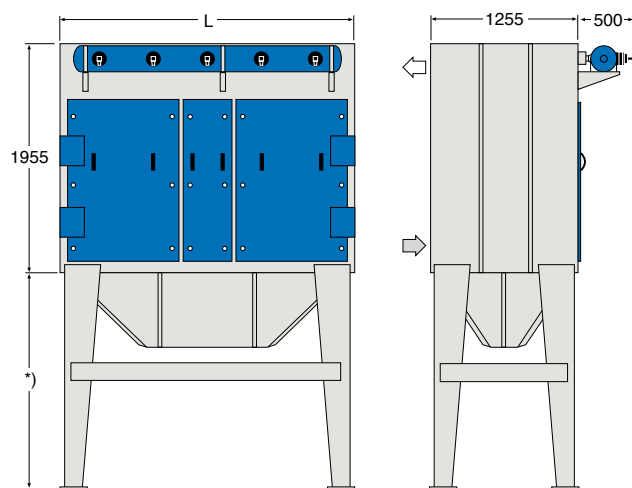
The collector is manufactured in a welded, painted design. The circular housing with a tangential air inlet creates a cyclon effect which gives a pre separation of dust before the filter cartridges.

ScandDust SDM 15 can also be delivered in a vacuum design to be used for industrial cleaning etc.



Nom. air flow 900 m³/h
 Nom. filter area 15 m²
 No. of cartridges 1

SCANDDUST SDM



*) depends on selected dust handling system

ScandDust SDM is a modular designed dust collector with rectangular filterhousing. Smallest module has four filter cartridges and largest module has 12 filter cartridges. **SDM** is always connected to an external fan.

SDM is manufactured as standard out of galvanized sheet metal but can also be delivered in painted or stainless steel design as well as with filterhousing thermally insulated. At larger airflows multiple modules are connected in parallel.

Size	Nom. air flow m ³ /h	Nom. filter area m ²	No. of filter cartridges	L
60	3600	60	4	1115
90	5400	90	6	1570
120	7200	120	8	2025
150	9000	150	10	2480
180	10800	180	12	2935



ACCESSORIES

To the ScandDust collector there are a number of accessories and options. Vokes-Air delivers accessories as well as complete systems tailormade with design based upon customer specifications and needs.

The following are included in the program:

- Precleaner
- Explosion relief hatch
- Rotary valve
- Screw conveyor
- Different types of dust cans and containers.
- Duct systems and dampers
- Fans
- HEPA filters
- Vacuumdesign for industrial cleaning
- Offline cleaning at severe conditions/ difficult dust

Contact Vokes-Air for further information and proposals.