



Filter dust-laden air

The Modu-Kleen[®] Series 669 bin vent filter is the most versatile of all the filters offered by Dynamic Air. It is designed for venting fine, dust-laden air from pneumatic conveying systems, storage silos, mixers, dryers, pneumatic trucks or any other equipment that needs to be vented.

Various types of cartridge filter media are available to suit a wide variety of applications. Particulate down to even sub-micron sizes can be successfully filtered.

Versatile

The small size of the Series 669 bin vent filter makes it more adaptable when engineering it into almost any application. The filters can be installed in any pattern that suits the application. Also, if for any reason additional filters are required in the future, they can be added simply and easily.

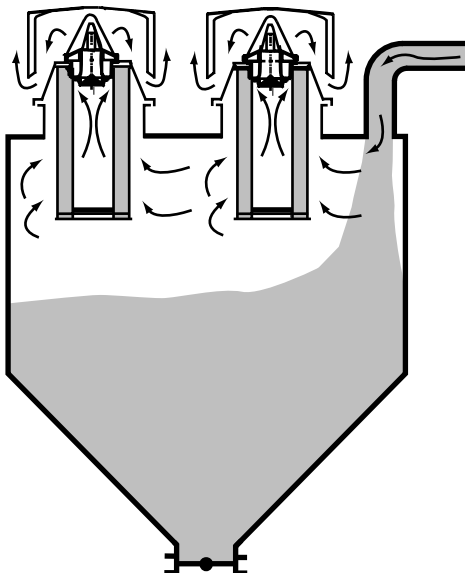
Top removal cartridge

Changing a filter is easy because the filter cartridge is top removal and there is no traditional filter housing to enter. Therefore, plant personnel are not normally exposed to any filter dust. Also, a safety cage on each unit prevents the cartridge from accidentally being dropped into the equipment being vented.

Reduce cartridge replacement costs

Because each Modu-Kleen Series 669 bin vent filter is a separate operating unit, you can quickly determine when a filter needs changing. And only that filter has to be replaced, not all the filters as might be traditional. This results in a savings of both time and cartridge costs over bin vent filters which are not top removal. The Series 669 bin vent filter also has an automatic self-cleaning feature which maximizes cartridge life and reduces operating costs.

Typical application

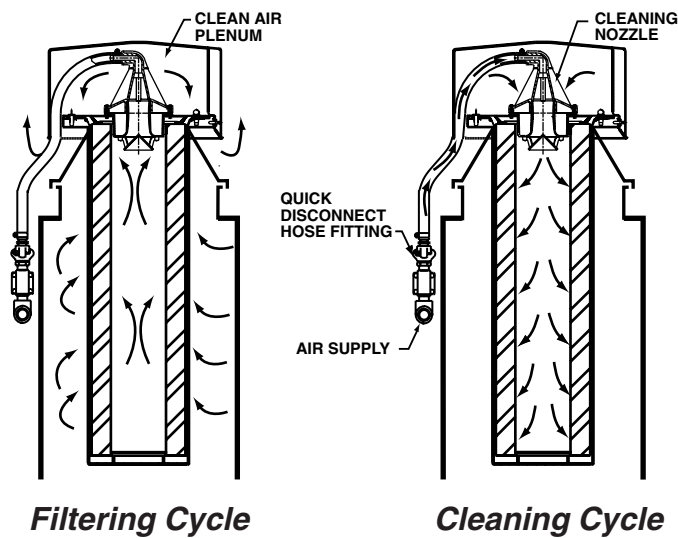


The Modu-Kleen Series 669 bin vent filter will handle:

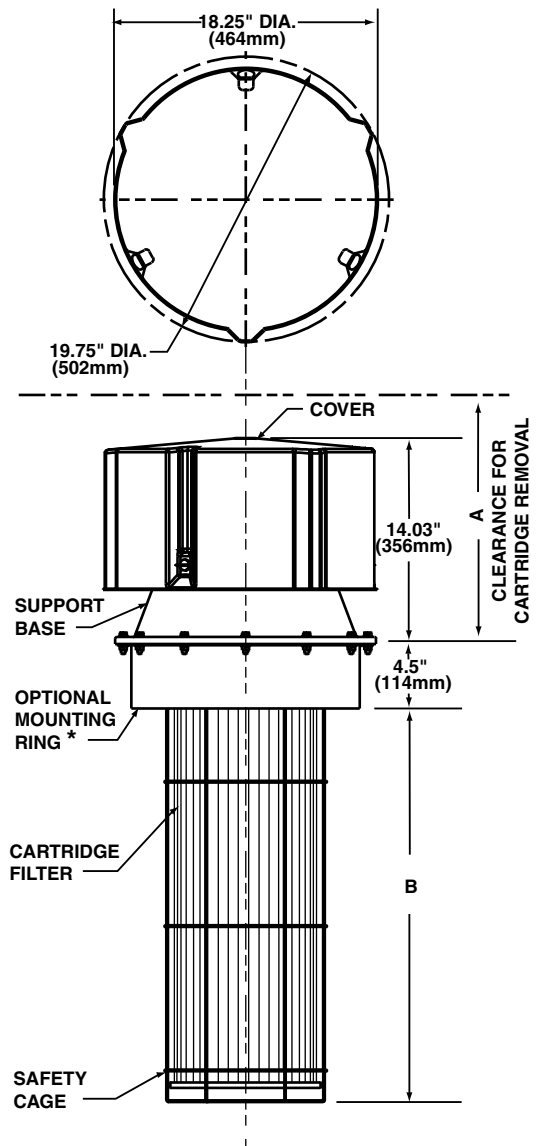
- Alumina
- Ball clay
- Barite
- Bauxite
- Bentonite
- Borax
- Calcium carbonate
- Cement
- Feldspar
- Fine coal
- Flour
- Fluorspar
- Fly ash
- Gypsum
- Iron oxide
- Kaolin clay
- Lime
- Milk powder
- PVC resin
- Quartz
- Silica sand
- Soda ash
- Sodium sulfate
- Sugar
- Talc
- **And More**

How the Modu-Kleen Series 669 bin vent filter works

During the filtering cycle, dust laden air is drawn into the Modu-Kleen Series 669 bin vent filter by a positive air source such as a pneumatic conveying system. Air enters the bin vent filter through the hopper or storage bin and passes up through the filter cartridge. The clean air then passes through the plenum into the atmosphere. During the cleaning cycle, compressed air is injected through the cleaning nozzle to clean the cartridge. This energy charged air is directed downward against the interior of the filter cartridge, creating a positive back pressure and a shock wave. This action is immediately followed by an inrush of secondary atmospheric air that helps create a compression zone, causing the accumulated dust to be quickly released from the cartridge.



Dimensions and specifications



* CONTINUOUSLY WELDED TO BIN, HOPPER OR SILO

MODEL	50	100
FILTER AREA	50 sq. ft. 4.65 sq. meters	100 sq. ft. 9.29 sq. meters
DIMENSIONS		
A	26.25 inches 667 mm	44.25 inches 1124 mm
B	9.5 inches 241 mm	27.5 inches 699 mm
AIR SUPPLY	90-115 PSIG 6.2 to 8 barg	
ELECTRICAL SUPPLY	110 Volt 50 Cycle 120 Volt 60 Cycle	

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Bulletin 9636-1 (UK 3/08)

Features

- Low cost
- Top removal
- Modular design
- Safety cage
- Solid state control
- Quick release cartridge
- Patented cone jet diffuser
- Low maintenance
- Self-cleaning
- Easy installation
- Less space requirements

Options

- Stainless steel construction for material contact surfaces
- Aluminum construction for material contact surfaces

Specifications subject to change without notice.

DYNAMIC AIR[®]
Conveying Systems

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