

# Belfab

DUST COLLECTING EQUIPMENT  
& DOWNDRAFT TABLES

A division of  
Pyradia



SBM SERIES

The image shows a large, blue industrial dust collector unit, identified as the SBM Series. The unit is rectangular with a large, funnel-shaped intake hood at the top. It is mounted on a sturdy metal frame. Several stainless steel ducts are connected to the unit: one on the left side, one on the right side that curves upwards, and a horizontal one at the bottom. The unit is situated outdoors in front of a light-colored building. The text 'SBM SERIES' is overlaid in white on a dark grey background across the middle of the unit. Small 'Belfab' logos are visible on the side panels of the dust collector.

### MODULAR FILTER TECHNOLOGY

The **BELFAB SBM** dust collector line has been engineered to handle medium to large volumes of fine to mixed dust ranging from 5 000 to 30 000 CFM. The SBM design integrates **BELFAB modular filter technology**. This feature gives the ability to increase filtration surface cost effectively, with the introduction of additional filter modules. Each SBM module is equipped with deflagration vent(s) following NFPA 68 regulations. The filter bags are cleaned by a motorized shaker mechanism.



### UPGRADABLE BLOWERS

Our **HUMMER** 1800 RPM direct drive fan is our quietest blower design. When a low sound level is required (under 84 db), BELFAB HUMMER series is available for applications ranging from 10HP to twin 30HP (18000 CFM).

The optional **RSC/RSO** belt driven blower series from Belfab is a material handling fan which offers higher static pressure performances than our modular Hummer blower series (for a maximum of 30,000 CFM). The **RSC** fan wheel is specially designed for systems transporting moderated loads of dust, powder and particles.

We also offer our **RBI** backward inclined wheels in a pull configuration when our rotary airlock dust disposal option is selected.

\*up to 5000CFM for indoor installations. Above 5,000 CFM, an outdoor set up is required (NFPA 664)

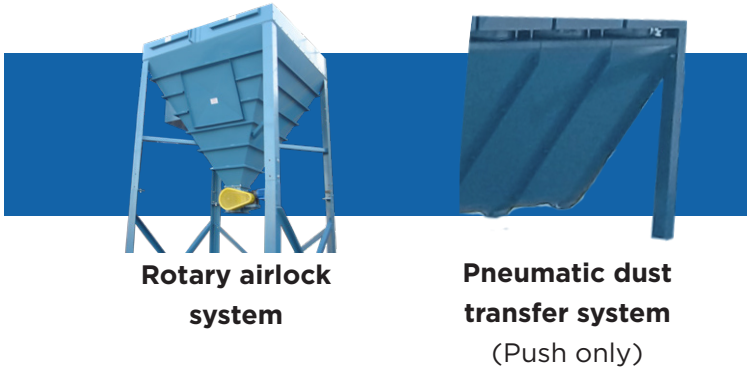


*Belfab improves its products continuously and may change the specifications without notice.*

# ENCLOSED DUST COLLECTORS SBM SERIES



## DUST DISPOSAL OPTIONS



The SBM system can be offered in two types of dust disposal options. With the **Rotary Airlock** dust disposal system, the open type dumpster can be installed directly under the structure. The **pneumatic dust transfer system** requires less maintenance and is more commonly used. Also, this option is more compact and is therefore more suitable when municipality height restrictions are enforced. The pneumatic dust transfer system can also be retrofitted to the rotary airlock system at a later stage.

## OPTIONS


- Dust level sensor
- Outlet silencer
- Magnehelic differential pressure gauge
- High efficiency polyfelt filter bags

**SAFETY STANDARDS AND REGULATIONS:** Belfab's enclosed type dust collectors comply with NFPA 664, 654 and 68. Although all our equipment conforms to industry codes and regulations, the proper installation requirements, such as clearance and safety accessories, must be respected and the installation should be conducted by a qualified company.

## FEATURES

- Premium efficiency TEFC motor (CSAus approved)
- Polytwill filter bags with efficiency level of 99.9982% (meets PM 2.5 regulation)
- Either push or pull (optional) operation configuration
- Control panel with automatic shaker
- A maintenance access door per filter module

## SAFETY ACCESSORIES

- Derivation tee
- Abort damper
- Spark detection system 
- Fire damper
- Dust collector sprinkler
- Backdraft damper
- Explosion vent deflector

## WARRANTY

- 12 months warranty

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