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# Nederman



## S-Series Bag Filter

# The S-Series (1,500-5,000 CFM)

*Suitable for collection of many different types of dust including wood, paper and plastic.*



## Applications:

*High Speed Routing • Sawing • Cutting • Single 'Cell' Manufacturing • After-Filters*

### Features

- *Three or single phase*
- *Easy installation*
- *Small footprint*
- *Multiple U.S. assembly points*
- *Quiet operation*
- *Bag material collection (barrel or bin option)*
- *Patented SuperBags (99.9% efficiency)*
- *Multiple waste collection options*

## The Nederman Difference

**Before**



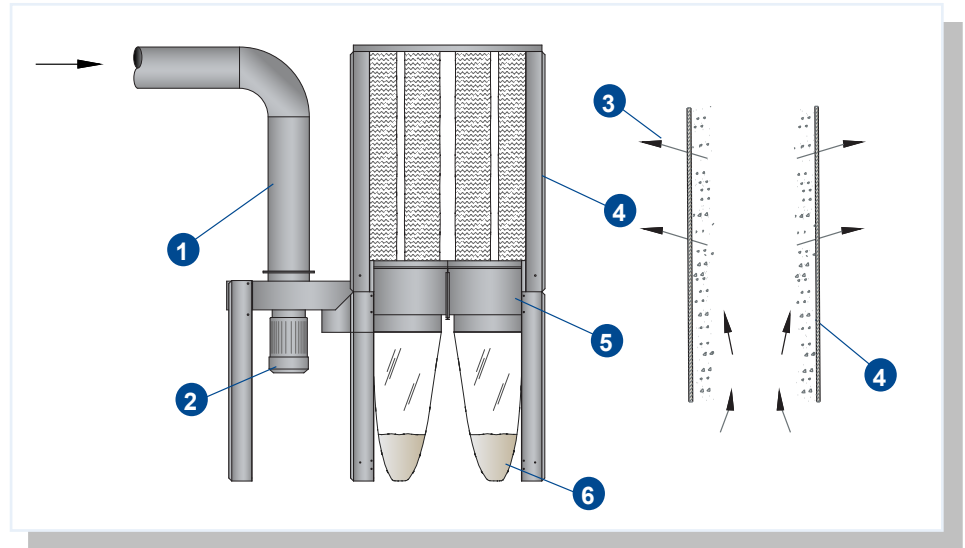
**After**



# How it Works

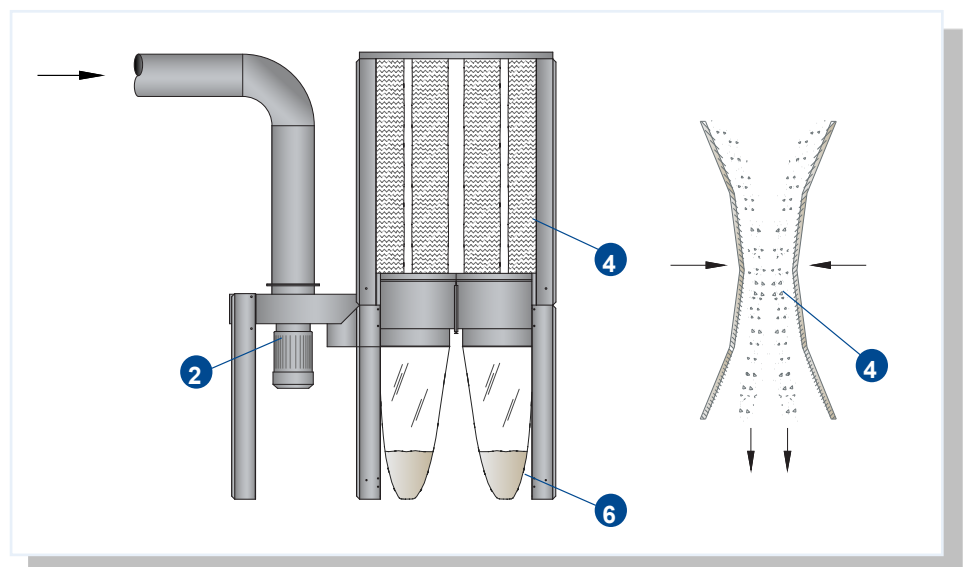
## ...during normal operation

1. During normal operation, the dust laden air from the plant travels down the supply duct **1**
2. The dirty air then enters the COMBIFAB **2** material handling fan
3. The dust then enters the hopper section **5** of the filter
4. As air slows down within the hopper, the heavier dust particles fall down into the inside of the collection bags **6**
5. The remaining dust then travels up into the inside of the filter bags **4**
6. The air, which originated from the plant, is now clean and passes through the filter bag into the surrounding atmosphere **3**

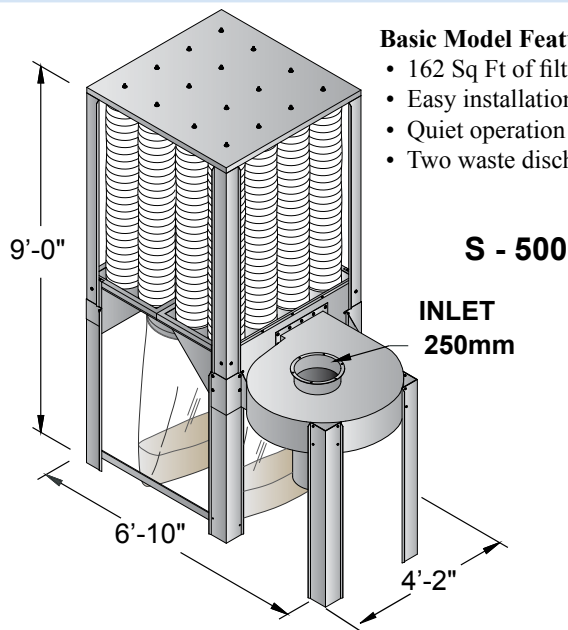


## ...while cleaning

1. The S Series may only clean "off-line", when the COMBIFAB fan **2** has stopped rotating
2. The S Series is cleaned by applying physical force to the outside of the filter bag **4** which, in effect, shakes them
3. The dust cake, which hangs on the inside of the filter bag, falls into the hopper section and then into the collection bags below **6**



# Unit Specifications



## Basic Model Features

- 162 Sq Ft of filter media
- Easy installation
- Quiet operation
- Two waste discharge points

**S - 500**

**INLET  
250mm**

## CFM RANGE

| 8.0" Wg  | 7.5" Wg  | 5.0" Wg  |
|----------|----------|----------|
| 1500 CFM | 2000 CFM | 3000 CFM |

Shipping Weight: 675lbs.

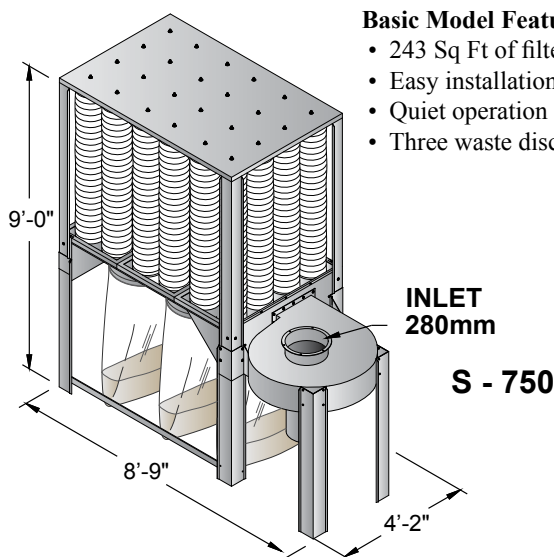
## Basic Model Features

- Qty (1) 5 HP, 1750 RPM, TEFC motor
- Qty (16) Beane material filter bags
- Qty (2) plastic waste collection bag
- Qty (2) clamps for easy removal of waste bags

## Model Number Selection:

|              |                     |                       |          |
|--------------|---------------------|-----------------------|----------|
| S500 -       | -                   | -                     | -        |
| <b>Phase</b> | <b>Starter</b>      | <b>Dust discharge</b> |          |
| <div>1</div> | <div>115</div> 115V | <div>0</div>          | Std. Bag |
|              | <div>208</div> 208V | <div>B</div>          | 2 Barrel |
|              | <div>230</div> 230V |                       |          |

|              |                     |                       |          |
|--------------|---------------------|-----------------------|----------|
| S500 -       | -                   | -                     | -        |
| <b>Phase</b> | <b>Starter</b>      | <b>Dust discharge</b> |          |
| <div>3</div> | <div>208</div> 208V | <div>0</div>          | Std. Bag |
|              | <div>230</div> 230V | <div>B</div>          | 2 Barrel |
|              | <div>460</div> 460V |                       |          |
|              | <div>575</div> 575V |                       |          |



## Basic Model Features

- 243 Sq Ft of filter media
- Easy installation
- Quiet operation
- Three waste discharge points

**S - 750**

**INLET  
280mm**

## CFM RANGE

| 10.0" Wg | 8.0" Wg  | 6.0" Wg  |
|----------|----------|----------|
| 2500 CFM | 3500 CFM | 4500 CFM |

Shipping Weight: 900lbs.

## Basic Model Features

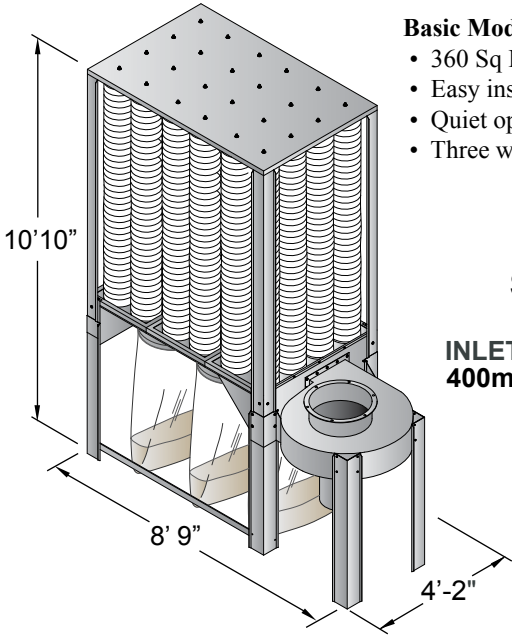
- Qty (1) 7.5 HP, 1750 RPM, TEFC motor
- Qty (24) Beane material filter bags
- Qty (3) plastic waste collection bag
- Qty (3) clamps for easy removal of waste bags

## Model Number Selection:

|              |                     |                       |          |
|--------------|---------------------|-----------------------|----------|
| S750 -       | -                   | -                     | -        |
| <b>Phase</b> | <b>Starter</b>      | <b>Dust discharge</b> |          |
| <div>1</div> | <div>115</div> 115V | <div>0</div>          | Std. Bag |
|              | <div>208</div> 208V | <div>B</div>          | 3 Barrel |
|              | <div>230</div> 230V | <div>D</div>          | Dump Bin |

|              |                     |                       |          |
|--------------|---------------------|-----------------------|----------|
| S750 -       | -                   | -                     | -        |
| <b>Phase</b> | <b>Starter</b>      | <b>Dust discharge</b> |          |
| <div>3</div> | <div>208</div> 208V | <div>0</div>          | Std. Bag |
|              | <div>230</div> 230V | <div>B</div>          | 3 Barrel |
|              | <div>460</div> 460V | <div>D</div>          | Dump Bin |
|              | <div>575</div> 575V |                       |          |

# Unit Specifications



**S - 1000**

**INLET**  
400mm

**CFM RANGE**

| 8.0" Wg  | 7.0" Wg  |
|----------|----------|
| 4000 CFM | 5000 CFM |

Shipping Weight: 950lbs.

**Basic Model Features**

- 360 Sq Ft of filter media
- Easy installation
- Quiet operation
- Three waste discharge points

**Basic Model Features**

- Qty (1) 10 HP, 1750 RPM, TEFC motor
- Qty (24) Beane material filter bags
- Qty (3) plastic waste collection bag
- Qty (3) clamps for easy removal of waste bags

**Model Number Selection:**

S1000 - - -

**Phase**

|   |
|---|
| 3 |
|---|

**Starter**

|     |      |
|-----|------|
| 208 | 208V |
| 230 | 230V |
| 460 | 460V |
| 575 | 575V |

**Dust discharge**

|   |          |
|---|----------|
| 0 | Std. Bag |
| B | 3 Barrel |
| D | Dump Bin |

## Waste Disposal Options



Bags (Standard)



Barrels (Optional)



Dump Bin (Optional)

## EASY AS 1-2-3

Collector up and running in less than 1 hour

1



2



3



# The Superbag

## The Superbag



A filter is only as good as the filter bags it uses. This is the component that provides the filtering while allowing clean air to pass through with the least possible resistance. Therefore, the lowest possible consumption of energy is realized, even after several thousand hours of operation. Nederman patented filter bag, is fitted as the standard in all S-Series bag filters.

### Efficiency and low energy consumption

Superbag is a polyester filter bag. A patented weaving technique in tubular format give the filter bag a surface which can cope with varying dust loads and with virtually any type of dust. Better filtering efficiency is achieved with this unique filter media which provides low pressure drop, and low energy consumption.

### Strength and durability

The special shape of the superbag helps to ensure that the high efficiency and effectiveness of our S-Series filter system is maintained even after long periods of operation. The durability is the result of the patented construction, strong polyester fiber and seamless body. These features also help make cleaning of the filter bag very easy.

### Antistatic

Superbag's interwoven carbon fiber wire provides higher anti-static properties than traditional filter bags, both on the surface and inside. This reduces the risk of fire and explosion as fine particles are removed.

## Take advantage of the benefits of Quick-Fit clamp-together ducting

- *An easy and fast way to install the duct*
- *Easy to clean out, easy to reuse*
- *Laser welded, leak-free seams*
- *Adaptable to your existing ductwork*

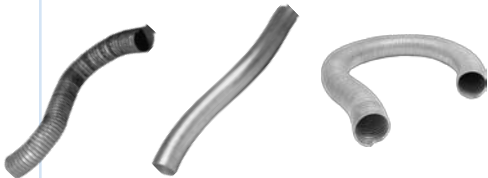
Below is a sampling of some of the Quick-Fit parts available:

### Pipe and Clamp:



Quick-Fit pipe: Laser welded pipe with rolled ends. Comes in 5' sections.  
Adjustable Nipple: For lengths less than 5'. The adjustable nipple slides over regular Quick-Fit pipe and telescopes to the length you need.  
Clamp: The most important part of a clamp-together duct system.

### Hoses:



Flex Rubber Hose: Extremely flexible rubber hose with steel coil  
Rigid Flex Steel Hose: Flexible rigid steel hose for higher temperatures or abrasive material  
Ultra Flex Steel Hose: Ultra flexible steel hose for higher temperatures or abrasive material

### Branches:



Branches include; Branch, Y-Branch, Double Branch, & T-Branch. They can be delivered either with 30° angles (standard) or with 45° angles (optional). Quick-Fit rolled ends are standard but flanged and raw ends are optional.

### Adapters:



Adapters include; Machine Adapters, Flanged Adapters, Hose Adapters, & Bell Mouth Adapters. Quick-Fit rolled ends are standard but flanged and raw ends are optional.

# Dump Bin for the S-Series

**Dimensions:**

- Overall 33.0" wide x 70.5" long x 36.5" high
- Inside 29.0" wide x 66.5" long x 27.5" high

**Weight:**

500 lbs

**Volume:**

230 gallon  
[ 70% increased capacity over a (3) barrel outlet ]  
barrels are 45 gallon each



# Bringing superior conditions to the workplace and the environment

For more than 60 years Nederman has developed, manufactured and marketed products and system solutions to reduce the strain on the environment and improve working conditions in numerous industries.

Our products and systems have been ground-breaking in industries such as Machining, Metal Fabrication, Automotive, Composite Manufacturing, Food, Paper, Chemical, Pharmaceutical and many others.

Today companies all over the world are using equipment from Nederman.



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**ISO**  
9001:2008  
14001:2004

# Nederman

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