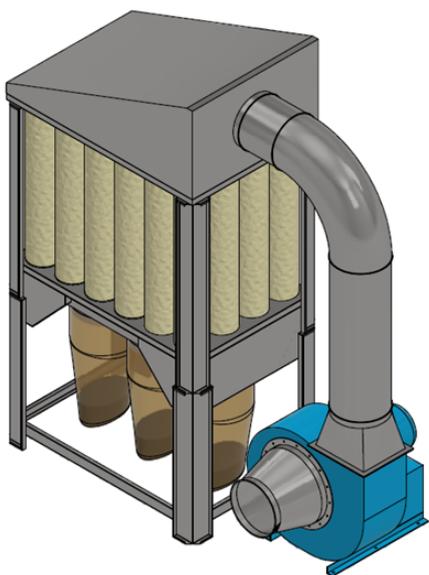


**Nederman**

# T - Series Filter

Reliable and Cost-Effective Indoor Filtration for the Wood Industry.



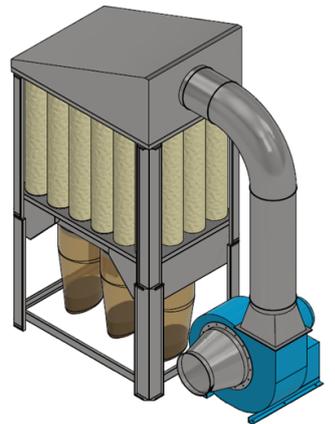
# T - Series Filter

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

## Features

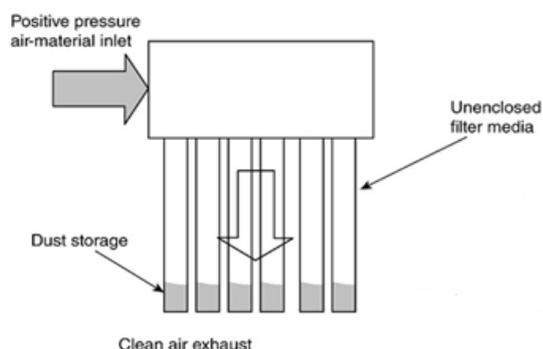
Reliable and Cost-Effective Indoor Filtration for the Wood Industry.  
Capacity Range from 2500m<sup>3</sup>/hr - 7500 m<sup>3</sup>/hr

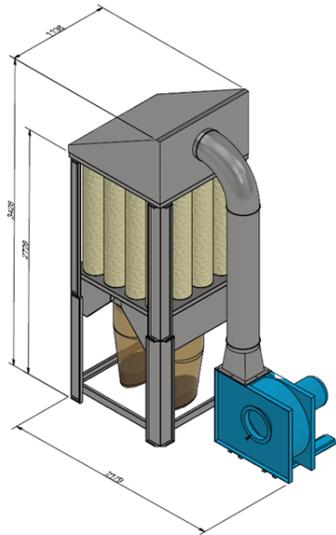
- Silent & Simple Setup: Enclosure-less T-Series dust collectors, ready to use in minutes
- Optimal for Wood & Sawdust: Efficient general dust collection for indoor applications
- Reliable & Cost-Effective: Engineered for dependable indoor filtration in the wood industry
- Flexible Sizing: Available in T-500 & 750
- Power Options: Three-phase standard
- Easy Installation: Collector up and running in under 1 hour
- High-Efficiency Filtration: Patented polyester bags with 99.9% dust capture
- Quiet Operation: Minimal noise for a comfortable work environment
- Effortless Material Collection: Designed for simple bag dust handling
- Suitable for Multiple Dust Types: Contact Nederman for other dust types
- NFPA-Compliant: Meets combustible dust safety regulations



**NFPA 660:2025-Enclosureless Dust Collector Complaint Meets the following Enclosureless DC criteria:**

- 5000 CFM Maximum
- Filter media is not enclosed (enclosureless)
- Filter media is under positive pressure
- No shaker or active cleaning system while the fan is on
- Dust on the inside of the filter media - clean air to the surrounding area
- Dust not removed continuously or mechanically (no air lock)
- Dust must be removed daily or more frequently as needed





Dimensions : 2179 mm(L) x 1138 mm(W) x 3428 mm (H) Weight Housing 120 kg Fan 62 Kg Motor 45 kg

## T - Series Bag Filter T-500

Basic Model Features

15 m<sup>2</sup>of filter media

Two Waste discharge points

Qty(1) 4.0 kW, 3000 RPM, Motor

Qty (16) Filter Bags

Qty(2) plastic waste collection bags

Qty(2) Clamps for easy removal of Waste bags

Capacity			
Static Pressure	200mmWc	185 mmWc	125 mmWc
Air Volume	2550 m <sup>3</sup> /hr	3450m <sup>3</sup> /hr	5000m <sup>3</sup> /hr
Air Volume	1500 cfm	2030 cfm	2950 cfm

## T- Series Bag Filter T-750

Basic Model Features

23 m<sup>2</sup>of filter media

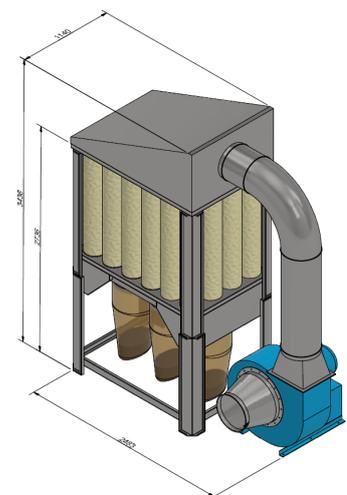
Three Waste discharge points

Qty(1) 7.5 kW, 3000 RPM, Motor

Qty (24) Filter Bags

Qty(3) plastic waste collection bags

Qty(3) Clamps for easy removal of Waste bags



Dimensions: 2483 mm(L) x 1140 mm(W) x 3436 mm (H) Weight Housing 146 kg Fan 66 kg Motor 52 kg

Capacity			
Static Pressure	250mmWc	200 mmWc	150 mmWc
Air Volume	4250 m <sup>3</sup> /hr	5950m <sup>3</sup> /hr	7500m <sup>3</sup> /hr
Air Volume	2500 cfm	3500 cfm	4415 cfm

## How to Select

### How to Select a T-Series filter

(How many machines can be connected to a certain T-series filter?)

Airflow of the machine(s) can be determined figures below

*m<sup>3</sup>/h in different duct sizes at different air speeds*

Ø	20 m/s	25 m/s	28 m/s	32 m/s
100 mm	565	707	792	905
125 mm	884	1104	1237	1414
140 mm	1108	1385	1552	1773
160 mm	1448	1809	2027	2316
180 mm	1832	2290	2526	2931
200 mm	2262	2827	3167	3619
250 mm	3534	4418	4948	5655
315 mm	5611	7013	7855	8977
350 mm	6927	8659	9697	11083

### Example:

Two machines, where the router machine has one extraction point of Ø100 mm and the saw has one extraction point of Ø200, both need an air speed of 25 m/s

This will result in the following calculation.

Machine nr	# of suction hoods	Ø	m/s	m <sup>3</sup> /hr
Router	1	100	25	707
Saw	1	200	25	2827

T-type filter selection depends on the pressure drop of the machine (s), ducting and flexible hose.

### Pressure drop guideline

- Open Machine:(Cutting saw, drilling)
- 50 mmWc
- Semi-Open Machine : (Table saw, Double-end, Edge Bander)
- 100mmWc
- Close-Machine: (Wide belt sander)
- 200mmWc
- Flexible Hose and Ducting: 50-10mmWc

T-500			
Pressure Drop mmWc	200	185	125
Air Volume in m <sup>3</sup> /hr	2550	3450	5000

T-750			
Pressure Drop mmWc	250	200	150
Air Volume in m <sup>3</sup> /hr	4250	5950	7500