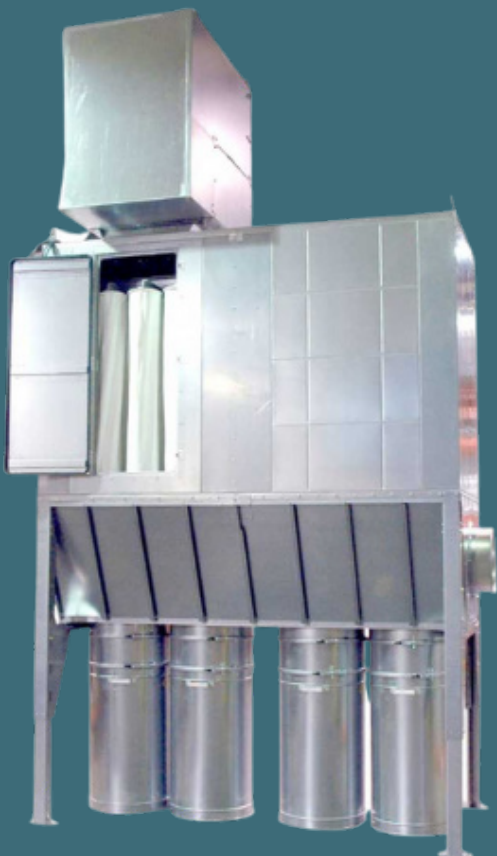




Nederman

LBRS

Shaker Baghouse Wood Dust Collector



Simple, Quiet and Safe Wood Dust Extraction Systems

Simple and Effective Wood Dust Extraction Solutions

LBRS, formerly known as NFPZ, is a practical wood dust collection solution designed for small to mid-size woodworking manufacturing and education sites. Shaker cleaning system does not require compressed air, making it a simple and reliable option for facilities that need more capacity than smaller enclosureless collectors without the complexity of a larger central dust collection system.

With configurable capacity and waste handling options, LBRS can be selected around the needs of the application and facility layout. This provides a flexible solution for effective wood dust collection while supporting safe operation, easy maintenance, and efficient use of floor space.

Features

- Modular and Configurable Design
- Automatic Shaker Filter Cleaning
- Long-Lasting SUPERBAG Filter Technology
- Quiet Operation (Ideal for Schools)
- Integral Fan Mounting to Save Footprint
- Suitable for Outdoor Installation
- Multiple Waste Handling Options : Barrel, Tote Bin and Rotary Valve
- NFPA Compliant



Common Applications

- Woodworking trade schools
- High-Speed Routing
- Sawing & Cutting
- Single-Cell Manufacturing
- Intermittent or light wood processing



The global leader in clean air solutions for the woodworking industry

As the world's largest provider of industrial air pollution control equipment, Nederman is your total solution provider for controlling woodworking dust. Whether the application is small or large, simple or complex, manual or automated, Nederman assesses each customers' unique needs and develops solutions that effectively and efficiently protect your workers and factory.



- **Industry Expertise.** Right solutions that ensure safety and efficient operation. With tens of thousands of successful installations, you can trust Nederman to get the job done.
- **Comprehensive Approach.** We manufacture the fans, duct, controls, safety devices and offer project installation, commission and service support.
- **Solution Range.** A robust line-up products and services that meet the unique needs of the woodworking industry.
- **Quality and Reliability.** Problems that result in lost production impact the bottom line. Nederman solutions are engineered with this in mind to keep you operational.
- **Global Presence.** Regional sales offices and network of distribution partners uniquely positions Nederman to support your local factory or global operations
- **Sustainability.** Energy efficient operation, extended filter life and effective recovery of waste material to be reused or recycled.

Combustible Dust Experts

Nederman is the global leader for NFPA compliant dust collection solutions. Our comprehensive approach throughout the design, installation and maintenance processes sets us apart.

This approach begins with our sales and technical support teams who go through regular, rigorous training and follow a strict process to ensure the latest standards are being followed for each project. Next, we manufacture and select each component of the dust collection system including safety devices, so you can be confident you have a complete and compliant solution. Finally, Nederman offers both on-site and digital monitoring services to assist customers in the operation and maintenance of the system in a safe and compliant manner.

Did you know?
According to Dust Safety Science, approximately 25% of reported combustible dust fires and explosions occurred within wood industries, with dust collectors being the highest sources of incidents and injuries.

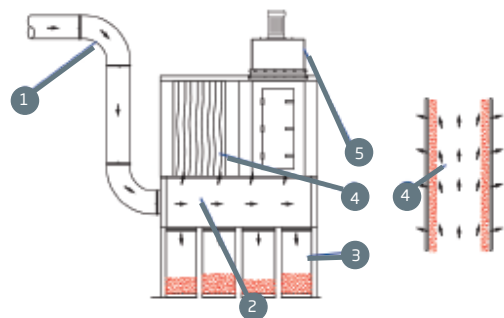


Effective operation, innovative filter technology and comprehensive range

How it Works

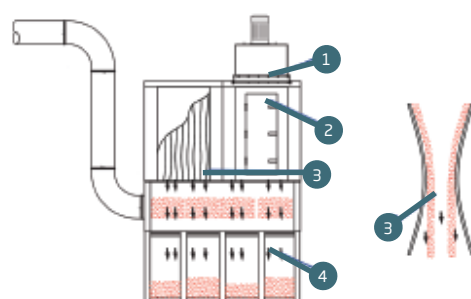
During normal operation:

- 1 Dust-laden air travels from the plant through the supply duct into the collector.
- 2 Dust enters the hopper section of the filter
- 3 As the air slows down in the hopper, heavier dust particles drop into the configured waste handling option.
- 4 The remaining fine dust travels upward into the filter bags.
- 5 Filtered air is exhausted outside or returned to the building through a properly designed return air system.



While cleaning:

- 1 The LBRS cleans off-line only when the extraction fan stops.
- 2 The shaker mechanism starts automatically and operates for a set period.
- 3 The filter bags are shaken, loosening the dust remaining inside the filters from the filter fabric.
- 4 Dust particles released during the cleaning cycle fall into the configured waste collection option.



SUPERBAG filters - the heart of the system



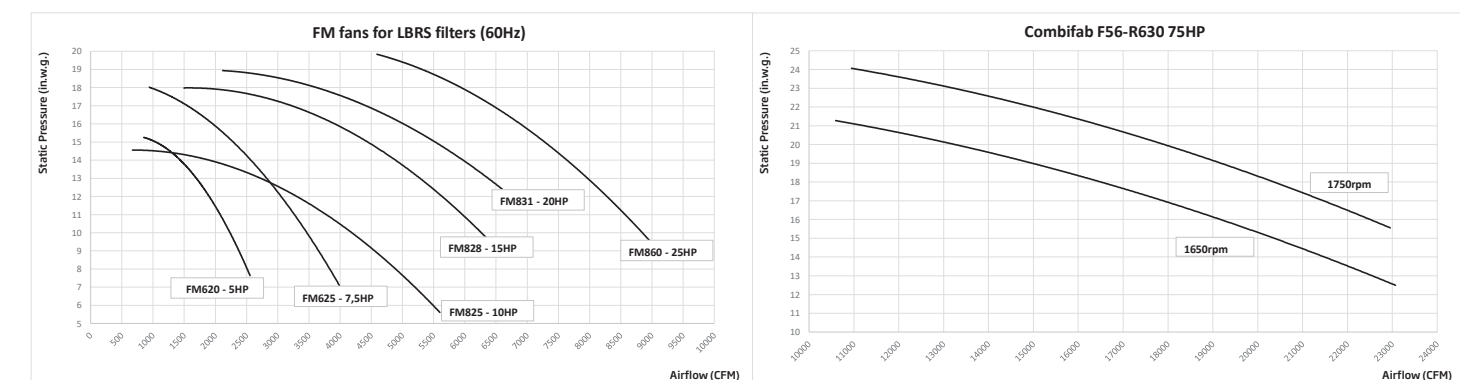
The Nederman SUPERBAG patented technology delivers high efficiency, low energy consumption, combustible dust safety and extended life.

- Emissions levels less than 0.1 mg/m³
- Low pressure drop requires less energy
- Durable construction with seamless, woven construction
- Reduced risk of fire and explosion with anti-static woven carbon fibers

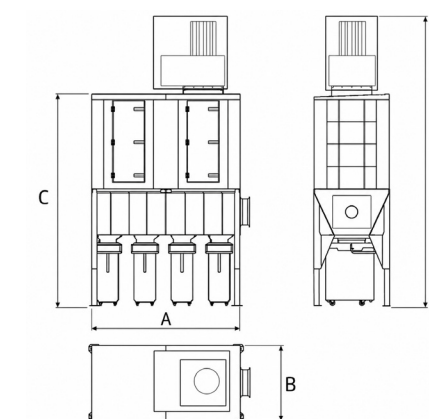
Technical Specifications

LBRS Model	Filter Quantity	Filter Area		Fan Power HP	Airflow		Static Pressure		Wate Handling Options		
		ft²	m²		CFM	m³/hr	in.w.g.	kPa	Barrel	Tote Bin	Rotary Valve
LE-010	25	215	20	5	1,500	2,500	14	3.5	✓	✓	
				7.5	1,900	3,200	16	4.0			
LE-020	50	430	40	10	2,700	4,600	13	3.2	✓	✓	
				15	3,800	6,500	16	4.0			
LE-030	75	645	60	15	4,500	7,600	15	3.7	✓	✓	✓
				20	5,700	9,700	14.5	3.6			
HE-020	50	900	84	20	5,000	8,500	16	4.0	✓	✓	✓
				25	7,000	11,900	15.5	3.9			
HE-030	75	1,350	125	25	7,500	12,700	14	3.5	✓	✓	✓
				2x15	10,500	17,800	13	3.2			
HJ-020	100	1,800	168	2x20	12,000	20,400	14	3.5	✓	✓	✓
				2x25	14,000	23,800	16	4.0			
HJ-030	150	2,700	250	75	21,000	35,700	17	4.2	✓	✓	✓

Fan Performance Curves and Dimensions



Dimensions



Model	A	B	C	D
LE-010	3'11" (119 cm)	3'11" (119 cm)	11'1" (338 cm)	14' (427cm)
LE-020	7'10" (239 cm)	3'11" (119 cm)	11'1" (338 cm)	14' (427cm)
LE-030	11'10" (361 cm)	3'11" (119 cm)	11'1" (338 cm)	14' (427cm)
HE-020	7'10" (239 cm)	3'11" (119 cm)	15'10" (483cm)	19'5" (592cm)
HE-030	11'10" (361 cm)	3'11" (119 cm)	15'10" (483cm)	19'5" (592cm)
HJ-020	7'10" (239 cm)	7'10" (239 cm)	15'10" (483cm)	19'5" (592cm)
HJ-030	11'10" (361 cm)	3'11" (119 cm)	15'10" (483cm)	N/A

Complete Turn-Key Systems

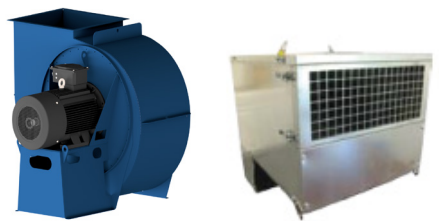
Nederman has a full range of accessories and services that provide solutions based on customer unique needs. From the initial design, commissioning and installation to the service and maintenance to keep systems running efficiently.



Accessories

Exhaust Fans and Silencers

Nederman's family of FM and CombiFab Fans are a comprehensive family of blowers covering a wide range of performance requirements to optimize system performance. Box silencers are available to help keep noise levels as low as possible during operation.

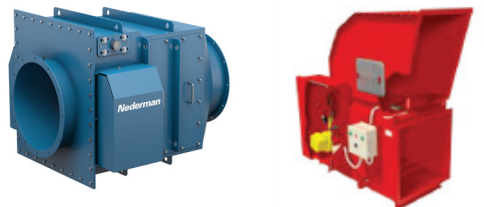
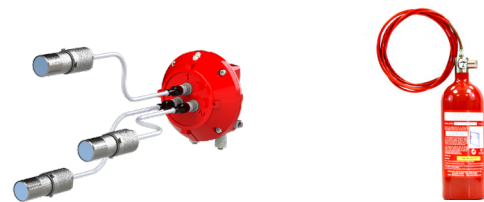


Automation Control Panels

Our automation offering including fan starters & variable frequency drives (VFDs), automatic filter cleaning controls and a range of monitoring sensors to alert when maintenance or service is required.

Combustible Dust Accessories

Isolation devices that prevent explosions originating in the dust collection system from propagating into the factory through the dirty or clean air duct. Nederman offers mechanical, abort gates, chemical and flameless isolation devices.



Spark Detection and Fire Suppression

Detecting sparks on the inlet duct and extinguishing them before they enter the collector helps reduce risk of fire or explosion. To protect the collector in case of fire Nederman offers sprinkler couplings and dry suppressant systems.

Nordfab Quick Fit Industrial Duct

Complete range of Nordfab Quick-Fit (QF) durable duct and fittings for building a complete extraction system. Compared to traditional ducting systems, the QF style duct offers installation savings, adapting to existing systems, improved cleaning and future flexibility.

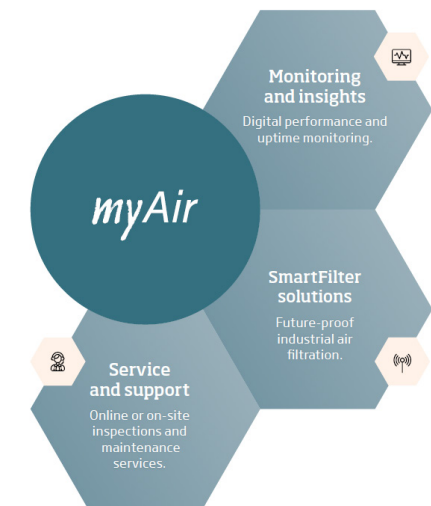


Waste Handling Options

LBRS expands on the former NFPZ waste handling options with new configurations for improved flexibility. Options include barrels, a new rotary valve discharge option, and a new high-capacity tote bin.

Rotary valve discharge allows collected dust to be directed to a larger container or downstream material handling system. The high-capacity tote bin provides easy handling with wheels, a quick locking connection to the collector, and a dust level viewing window.

myAir Service Offering

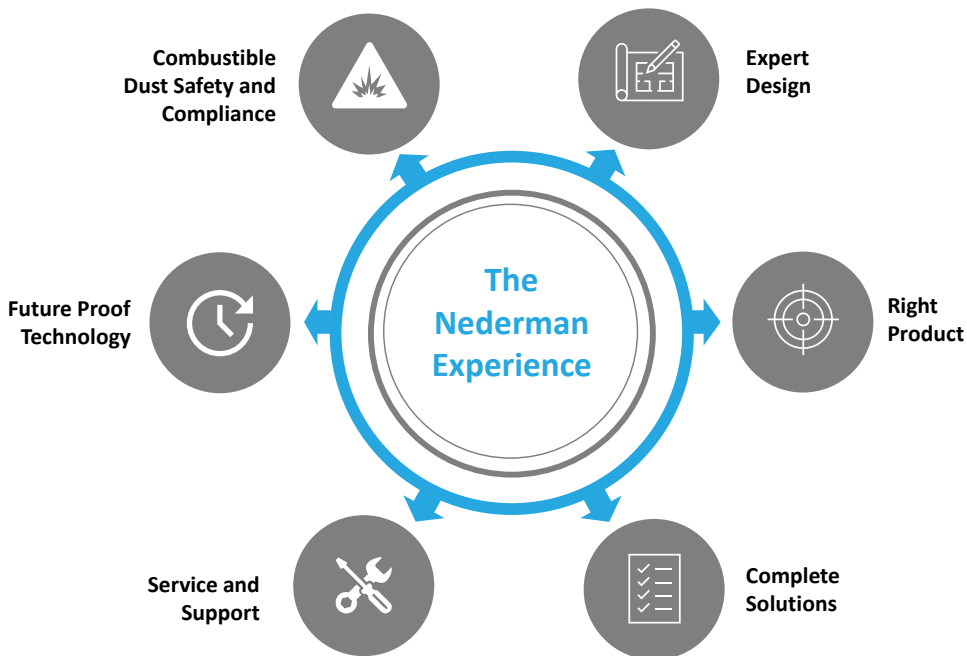


Ensuring and maintaining proper operation for wood dust collection systems is essential for protecting workers from the risk of airborne contaminants and combustible dust. Nederman offers a personalized service platform called myAir.

The platform includes a range of services including traditional on-site inspection and maintenance services. With this comprehensive platform customers can proactively address filter-related issues and improve their overall operational efficiency.

The Clean Air Company

Nederman offers a comprehensive approach to clean air solutions for the woodworking industry. We consider ourselves a partner in our customers operation and are committed to helping them achieve a productive, profitable and sustainable future. Therefore, we provide complete, turn-key solutions beginning with the system design and continuing through the operation and service resulting in an effective, safe and efficient dust collection system.





Nederman

The Clean Air Company

Nederman is an environmental technology company and a global leader in industrial air filtration dedicated to extracting, transporting and cleaning air to make industrial production more efficient, safe and sustainable. Based on industry leading products, solutions and services in combination with innovative IoT technology, we monitor and optimize performance and validate emissions compliance to protect people, planet and production.

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