



**FELDER®**

**RL 350 perform**  
PROFESSIONAL CLEAN AIR  
DUST EXTRACTION FOR A  
HEALTHY AND EFFICIENT  
WORKSHOP ENVIRONMENT

**FELDER®**



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RL 350 perform

# RL 350 perform

Professional clean air dust extraction for a healthy and efficient workshop environment



## RL 350 perform

- » Max. air flow rate: 5900 cfm
- » Nominal air flow rate: 65 ft/sec, 4100 cfm
- » Vacuum: 3400 Pa
- » Filter (surface) area: 1550 sq in
- » Extraction port diameter: 13,8 in
- » Remaining dust concentration, returned airflow quality: <math><0,1 \text{ mg/m}^3</math>

Exposure to sawdust is a known health hazard in woodworking shops. A dust-free working environment offers significant advantages beyond mere compliance with legal regulations: it not only protects your health and that of your staff, but also opens up significant potential for reducing energy and operating costs. A professional clean air dust extraction system tailored to your needs is therefore key to safe and cost-effective operation.

# FELDER®

## The benefits for you

### Maximale Luftqualität für optimalen Gesundheitsschutz

FELDER clean air dust extractors guarantee highly efficient chip extraction and air purification. All models achieve a residual dust content of less than  $0.1 \text{ mg/m}^3$ , which is significantly below the legal limit. This means they comply with H3 dust rating requirements and ensure a clean and safe working environment.

### A key design advantage of the FELDER extraction system is the positioning of the fan on the clean air side.

This technology creates a constant negative pressure throughout the system, reliably preventing dust from escaping even through the smallest leaks. All FELDER dust extractors are, of course, tested and certified in accordance with European Standard EN 16770.

### Superior performance and energy efficiency

The RL 350 perform model sets new standards in its class. Thanks to a specially developed fan wheel, it achieves a maximum air flow rate of  $10,000 \text{ m}^3/\text{h}$ . At the same time, the negative pressure in the nominal air flow rate is increased by around 30%, which ensures outstanding extraction performance on all connected machines.

### Smart filter technology for consistent performance

The tried-and-tested cartridge filter system offers a generous filtration area of approximately  $90 \text{ m}^2$ . A consistently high extraction power is ensured by its optimized JET cleaning system. This system cleans the filter elements fully automatically during operation. In addition, a cleaning cycle is activated each time the fan is switched off to ensure maximum filter performance for the next use.



## Your decision for Felder, a risk-free decision

- » The right machine for every budget
- » Complete reliability in professional use
- » Tailor made machine solutions
- » High quality cast iron machine table and aggregates
- » Innovative detail solutions derived from 60 years of experience – already included in the standard configuration
- » First class manufacturing and finishing standards
- » Intuitive application concepts
- » Modern, distinct design
- » Quality and precision from Austria
- » Powerful and efficient
- » Complete package: Comprehensive service support

# The most important highlights at a glance



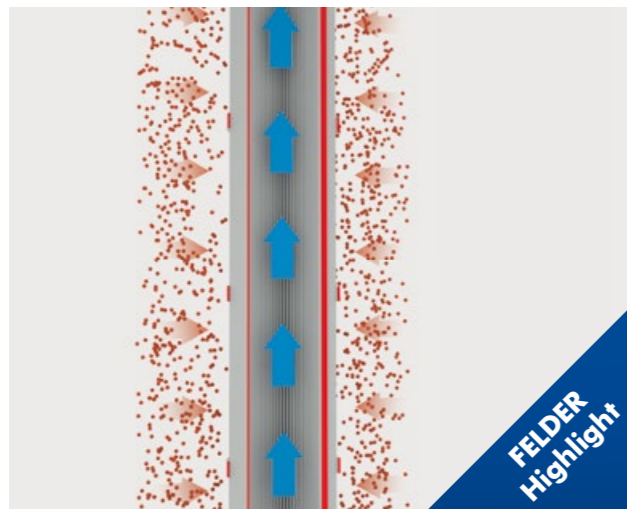
### Design with chip box

3 individually removable chip boxes with fill level inspection window.



### detachable control cabinet

The control cabinet of the RL350 perform is designed so that it can also be mounted on a wall instead of the dust extraction unit.



### cartridge filter

- » Large filter area with small space requirement
- » Reduced load on the filters
- » Maximum filter durability
- » also available with static dissipation (optional)



### Increase your production with a rotary valve configuration

# Details



### Proven cartridge filter system with JET cleaning

The tried-and-tested cartridge filters with a filtration area of approx. 90 m<sup>2</sup> are cleaned during operation by means of the optimized JET cleaning system. After the fan has stopped, cleaning is activated.

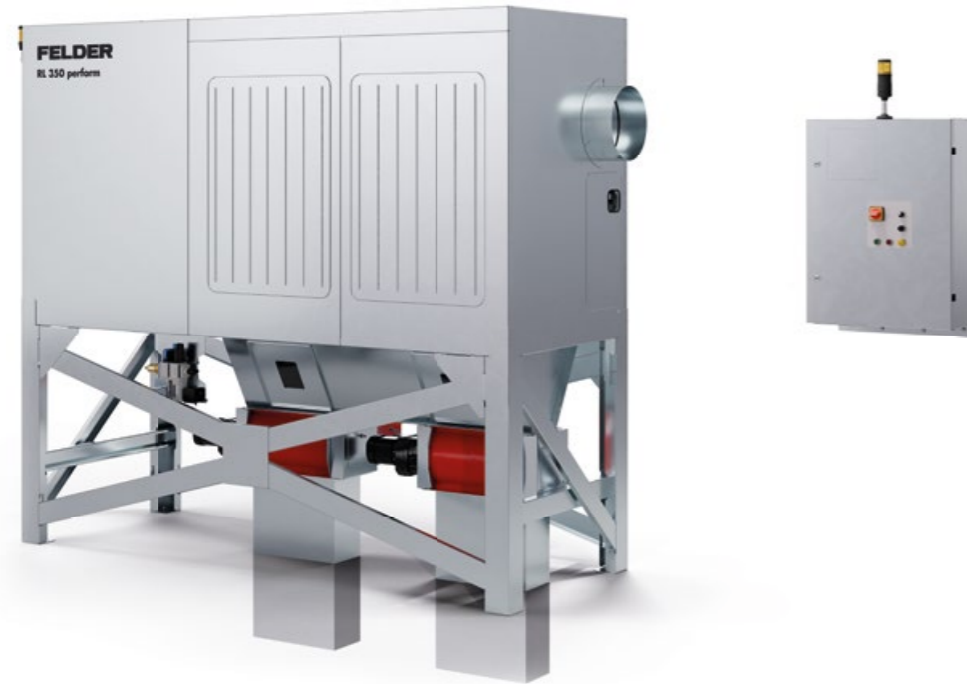
### Improved performance thanks to special fan wheel and energy efficiency

The RL350 perform generates a maximum air flow rate of 10,000 m<sup>3</sup>/h and increases the negative pressure in the nominal air flow rate by around 30%. Alternatively, the RL350 perform can be equipped with a continuously variable speed control including an energy-efficient 15kW IE5 motor.



### Left-hand version instead of right-hand version

The extraction connection can be configured on the left instead of the right side as standard. In this case, the device is mirrored.



#### Rotary valve with safety guard

Instead of chip boxes, two rotary valve arranged in a row are used, each with a flow rate of around 3 m<sup>3</sup>/h (at 15% filling). This allows for dust extraction on machines with high chip production. For safety reasons, the safety guard prevents unauthorized access to the rotary valve. The safety guard prevents unauthorized access to the rotary valve system.



#### Rotary valve with exhaust funnel

Instead of the safety guard, a blow-off funnel/pipe measuring 160 or 250 mm is installed. This in turn enables the chips produced to be transported away and allows for modular expansion.



#### Fill level sensor for rotary valve

The two optional fill level sensors activate the rotary valve when the fill level is reached.



#### Fire extinguisher with Powder extinguisher

The integrated powder extinguisher system activates automatically at temperatures > 72°C, providing additional safety.

## Product range



Sliding Table Panel Saws



Shaper Spindles



Planers



Bandsaws



Vertical Beam Saw



Wide Belt Sanding Machines



Edgebanders



Saw-Shapers



Combination Machines



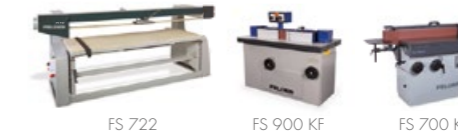
Dowel Boring Machine, Drilling Machine & Horizontal Mortiser



Membrane Press



Brushing Machines



Belt- & Edge Sanders



Extraction Units & Briquetting Presses

# FELDER®

## FELDER Quality and precision in a nutshell

Since 1956, a guarantee for perfect results with excellent ease of use and reliability in regular professional use. Woodworkers are always enthusiastic about the individual and solid solutions for small and mid-sized businesses.

### FELDER GROUP

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