

For Easy and High Volume Extraction of Dust and Fumes

RG-100 – RG-800

RG with  
extraction arm

RG mobile



#### ***Application Range***

- » Automotive Repair Shops
- » Chemical Industry
- » Construction Industry
- » Flocking Industry
- » Janitorial Cleaning Services
- » Joinery and Carpentry Shops
- » Machine Building Industry
- » Natural and Man Made
- » Paper Industry
- » Printing Industry
- » Stone Processing (Stone Masons)
- » Textile Industry
- » Transportation Businesses
- » Warehouses
- » Work Shops of Skilled Trades

Dust Extractors

High Vacuum  
Extraction Units

Welding Fume  
Filters

Oil Mist  
Separators

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**Extraction Fans**

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# Extraction Fans

## Introduction and Product Overview

### Introduction

The extractor fans in the **RG series** comprise medium pressure fans that are designed for a range of air extraction and circulation uses.

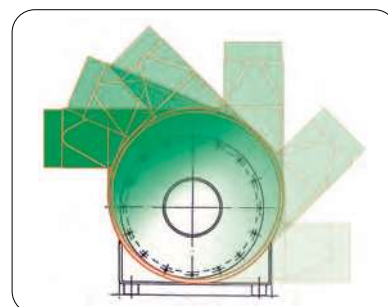
### Product overview

ESTA extractor fans **RG-100 to RG-800**, with their radial design, take care of airflow and negative pressure in the medium pressure range. They extract smoke-laden air from the extraction point via a suction line to a filter unit, which then separates the particles. Alternatively, the filtering process can be bypassed so that the air is released into the open.

**RG extraction fans with extraction arm** are an effective, economical means of extraction. A fan helps the extraction arm capture the dust or smoke and guide it unfiltered to the desired location (usually outdoors). The idea is to transport the exhaust air to another location inside or outside the building.

The **RG extraction unit with ball joint extraction arm** has a fastening console for wall or ceiling installation. The extraction arm has an oval hood and is two to three metres long.

**RG mobile extraction units** offer a simple, effective, economical solution for dust extraction at changing workstations. The devices are available in three performance levels with filter bag or cartridge filter for recirculation mode.



The exhaust outlet of the extracting fans can be adjusted to the desired position (up to and including model RG 300)

## Extraction Fans

### RG-100 to RG-800



Extraction fan RG-300



Extraction fan RG-400

#### Application Range

- » Extraction of individual and multiple workstations in industrial and skilled trade applications
- » In combination with filter units
- » For the extraction mode without filtration
- » For connection to extraction hoods

#### Special features

- » AC current for RG-100 and RG-200
- » Stainless steel (V2A) for the food industry
- » Motor mounted on the left hand side
- » Adjustable exhaust air outlet
- » Explosion proof



#### Ideal for

- Dusts
- Gases
- Odors
- Fumes
- ... and many more



RG-300 in separate room

#### Technical Data

| RG                     |       | 100         | 200         | 300         |
|------------------------|-------|-------------|-------------|-------------|
| Max. volume flow       | m³/h  | 1.000       | 2.000       | 3.000       |
| Intake/outlet diameter | mm    | 100         | 150         | 180         |
| Max. negative pressure | Pa    | 1.400       | 1.600       | 2.300       |
| Mains voltage          | V     | 400         | 400         | 400         |
| Nominal power          | kW    | 0.55        | 1.1         | 2.2         |
| Dimensions (L/W/H)     | mm    | 535×450×480 | 595×520×555 | 640×535×610 |
| Sound pressure level   | dB(A) | 80          | 82          | 84          |
| Order Number           |       | 01.011      | 01.021      | 01.031      |

#### Technical Data

| RG                     |       | 400                     | 500                     | 600                     | 700                     | 800                       |
|------------------------|-------|-------------------------|-------------------------|-------------------------|-------------------------|---------------------------|
| Max. volume flow       | m³/h  | 3.200                   | 4.000                   | 5.500                   | 7.000                   | 8.000                     |
| Intake/outlet diameter | mm    | 250/315                 | 250/315                 | 315/355                 | 315/400                 | 355/400                   |
| Max. negative pressure | Pa    | 3.150                   | 3.400                   | 3.500                   | 3.400                   | 3.950                     |
| Mains voltage          | V     | 400                     | 400                     | 400                     | 400                     | 400                       |
| Nominal power          | kW    | 3.0                     | 4.0                     | 5.5                     | 5.5                     | 7.5                       |
| Dimensions RG (L/W/H)  | mm    | 711<br>× 700<br>× 1.012 | 711<br>× 700<br>× 1.012 | 737<br>× 700<br>× 1.062 | 762<br>× 700<br>× 1.062 | 820<br>× 1.000<br>× 1.198 |
| Sound pressure level   | dB(A) | 84                      | 84                      | 84                      | 83                      | 84                        |
| Order Number           |       | 01.441                  | 01.451                  | 01.461                  | 01.471                  | 01.481                    |

#### Your Benefits

- » High performance
- » Heavy duty construction
- » Low operating costs
- » Wide range of applications
- » Small space requirement due to compact design

For other sizes/performance ratings please inquire with us. All equipment will be supplied without motor protection switch.

# Extraction Fans

## Extraction Unit *RG with Extraction Arm*



Extraction unit RG-300/extraction arms

### Application Range

- » Extraction of individual and multiple workstations in industrial and skilled trade applications
- » Direct extraction of smoke, gases and fumes
- » Extracting air without filtration



### Ideal for

- Welding fume
- Soldering fume
- Dusts
- Vapors
- ... and many more



Extraction unit RG-200 with 3.0 m extraction arm

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### Special Feature

- » AC current for RG-100 and RG-200 (optional special order models)

### Your Benefits

- » Complete solution made up of an RG extraction fan and extraction arm
- » Source capture with high extraction performance
- » Simple and efficient
- » Different blower sizes
- » Small space requirement due to compact design

### Technical Data

| Extraction unit (RG with extraction arm) |       | RG-100             | RG-200             | RG-300             |
|--|-------|--------------------|--------------------|--------------------|
| Max. volume flow                         | m³/h  | 1.000              | 2.000              | 3.000              |
| Intake opening                           | mm    | 100                | 150                | 180                |
| Max. negative pressure                   | Pa    | 1.400              | 1.600              | 2.300              |
| Mains voltage                            | V     | 400                | 400                | 400                |
| Nominal power                            | kW    | 0.55               | 1.1                | 2.2                |
| Dimensions RG (L/W/H)                    | mm    | 400 × 550<br>× 500 | 490 × 600<br>× 550 | 540 × 630<br>× 600 |
| Sound pressure level                     | dB(A) | 80                 | 82                 | 84                 |
| Order Number                             |       |                    |                    |                    |
| with extraction arm, 2.0 m               |       | 01.111             | 01.123             | –                  |
| with extraction arm, 3.0 m               |       | –                  | 01.121             | 01.131             |
| with extraction arm, 4.0 m               |       | –                  | 01.122             | –                  |

## Extraction Unit

### *RG with Ball-Joint Extraction Arm*



Extraction unit RG-200/ball joint extraction arm

#### Application Range

- » Extraction of individual and multiple workstations in industrial and skilled trade applications
- » Direct extraction of smoke, gases and fumes with ball-joint extraction arm
- » Extracting air without filtration



#### Ideal for

- Welding fume
- Fumes
- Odorants
- ... and many more



RG-200 with ball joint extraction arm

ESTA PLUS

#### Special Features

- » AC current for RG-100 and RG-200 (optional special order models)
- » The installation bracket for ceiling mounting or wall mounting will be included in the scope of supply

#### Your Benefits

- » Complete solution made up of an RG extraction fan and ball-joint extraction arm
- » Source capture with high extraction performance
- » Small space requirement due to compact design
- » Easy handling

#### Technical Data

| Extraction unit (RG with extraction arm) |                   | RG-200          |
|--|-------------------|-----------------|
| Max. volume flow                         | m <sup>3</sup> /h | 2.000           |
| Intake opening                           | mm                | 150             |
| Max. negative pressure                   | Pa                | 1.600           |
| Mains voltage                            | V                 | 230/400         |
| Nominal power                            | kW                | 1.1             |
| Dimensions RG (L/W/H)                    | mm                | 400 × 600 × 550 |
| Sound pressure level                     | dB(A)             | 82              |
| Order Number                             |                   |                 |
| with extraction arm, 3.0 m               |                   | 01.121D         |
| with extraction arm, 4.0 m               |                   | 01.122D         |

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## Mobile Extraction Unit *RG with Dust Filter Bag*



Mobile extraction unit RG-300 with dust filter bag

### Application Range

- » Mobile filter system for dust
- » Connection to processing machines
- » Extraction of individual and multiple workstations in industrial and skilled trade applications



- Ideal for**
- Plastic dust
  - Metal dust
  - ... and many more

### Special features

- » AC current for RG-100 and RG-200
- » Wall-mount bracket



Wall-mount bracket with cyclone

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### Special Feature

- » Available with dust filter bag or long life cartridge

### Your Benefits

- » Simple and effective filter system
- » Mobile device for flexible use
- » Universal and versatile use

### Technical Data

| Extraction unit, mobile |       | RG-100          | RG-200          | RG-300          |
|-------------------------|-------|-----------------|-----------------|-----------------|
| Max. volume flow        | m³/h  | 1.000           | 2.000           | 3.000           |
| Intake opening          | mm    | 100             | 150             | 180             |
| Max. negative pressure  | Pa    | 1.400           | 1.600           | 2.300           |
| Mains voltage           | V     | 400             | 400             | 400             |
| Nominal power           | kW    | 0.55            | 1.1             | 2.2             |
| Dimensions (L/W/H)      | mm    | 400 × 550 × 500 | 490 × 600 × 550 | 540 × 630 × 600 |
| Sound pressure level    | dB(A) | 80              | 82              | 84              |
| Order Number            |       |                 |                 |                 |
| with filter bag         |       | 04.011          | 04.021          | 04.031          |
| with cartridge filter   |       | 04.111          | 04.121          | 04.131          |

### Wall mount bracket

|                       |        |        |        |
|-----------------------|--------|--------|--------|
| with filter bag       | 08.011 | 08.021 | 08.031 |
| with cartridge filter | 08.111 | 08.121 | 08.131 |

All extraction units are supplied with an extraction hose of 3.0 m length