

The Static Combi Cleaner SCC is a high-power ionization cleaning station for the non-contacting removal of dust and dirt deposits on three-dimensional or structured surfaces. The unit neutralizes static dust, with the dust blown off by pulsed air blasts.

The effective elimination of static charges from cleaned surfaces prevents dust from settling back on product surfaces.

The Static Combi Cleaner is also perfectly suitable for drying workpieces and tools.

#### **Applications**

- Installation in painting lines
- Electrical industry
- Furniture making
- Timber and wood processing
- Printing and packaging

#### **Benefits in production**

- Improved, consistent quality
- Higher productivity
- No reworking

#### **Engineering**

- Rotating, speed-controlled cleaning nozzles delivering best results even under pressure fluctuations
- Limited drive power helps to save compressed air and prevents the risk of injuries
- "Blue Bar" discharge engineering for perfect discharging performance and ultimate safety
- Long range
- Exchangeable precision ball bearings
- Robust design
- Easy installation

The Static Combi Cleaner is available in cantilever design without extraction function and in encased design with extraction enclosure. The working widths range from 200 to 3,000 mm (greater lengths on request).

## **Technical Information**



F00033y

## **Static Combi Cleaner SCC**

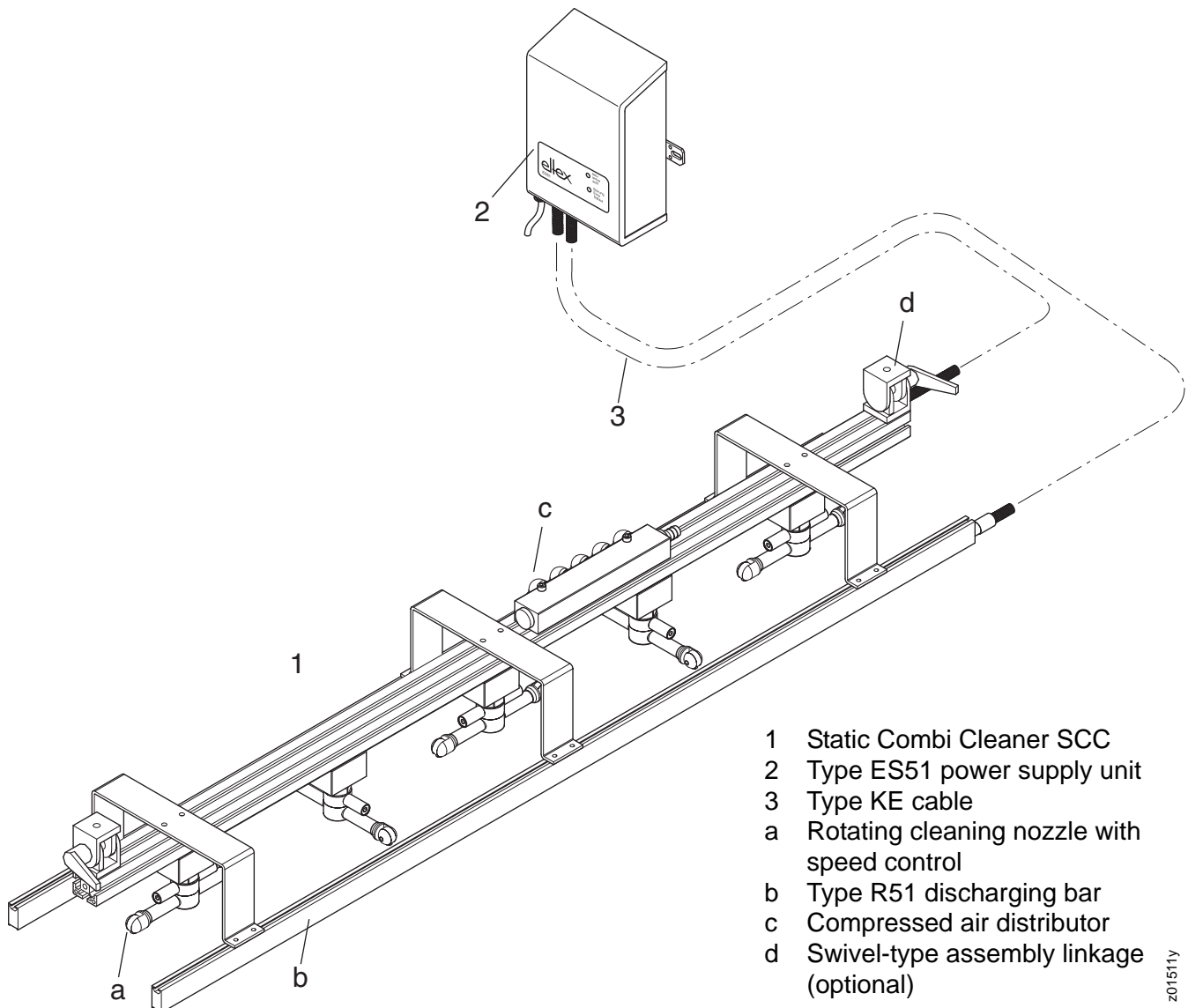
**TI-e-2038-0603**



**electrostatic  
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**static control**

## Overview System Static Combi Cleaner SCC



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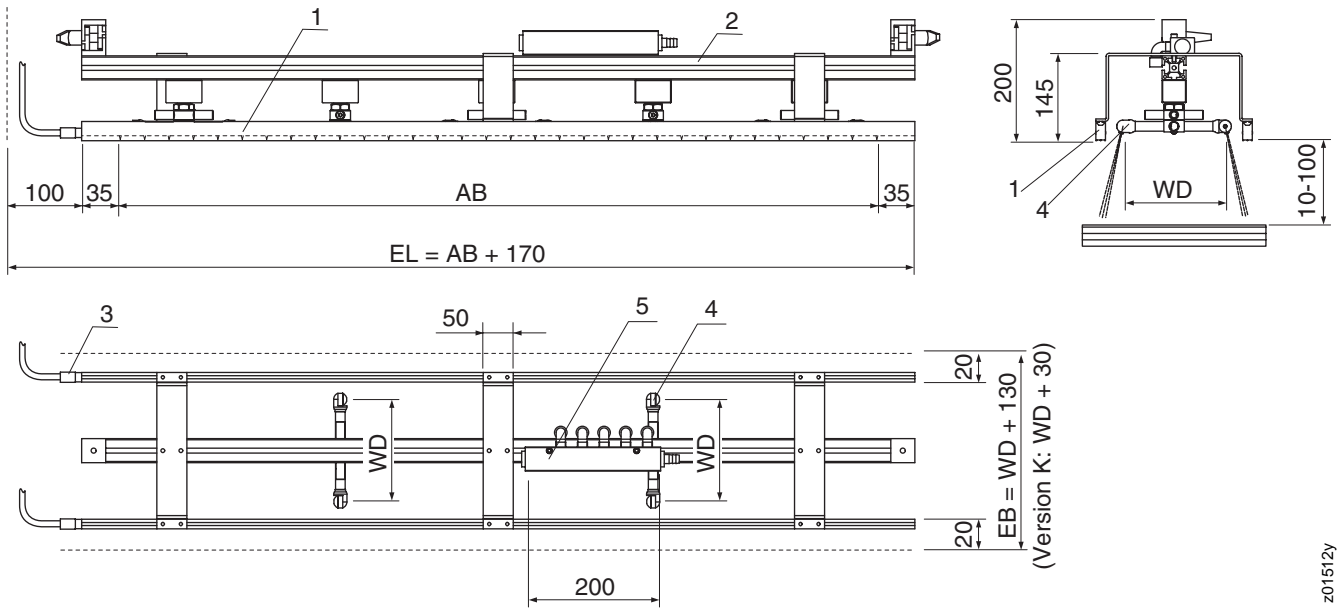
The effective diameter of the rotating nozzles depends on the space available at the installation site and on the speed of the objects to be cleaned. Higher speeds require smaller effective diameters. The 170 mm standard value covers speeds of up to 15 meters per minute.

The size of the nozzle inserts depends on the degree of pollution. Larger dust and dirt particles normally require larger nozzles, smaller diameters are usually sufficient for loose dust. The standard insert (1.2 mm) delivers good results in most applications. The inserts are easily exchanged for other sizes.



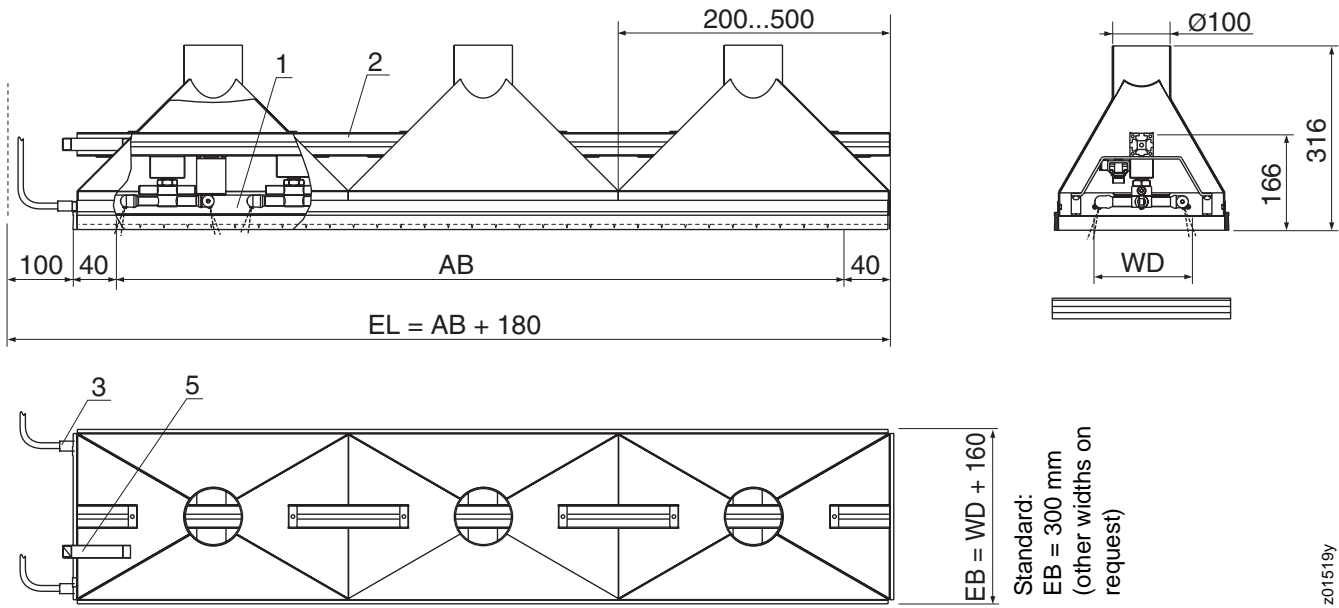
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### Dimensions – Static Combi Cleaner without extraction enclosure



z01512y

### Dimensions- Static Combi Cleaner with extraction enclosure



z01519y

- 1 R51 discharging bar
  - 2 T groove rail
  - 3 Connection discharging bar
  - 4 Rotating cleaning nozzle
  - 5 Compressed air distributor (sliding)
- AB = working width  
 EL = installation length  
 WD = effective diameter  
 EB = installation width

The number of extraction elements results from the working width AB and the width of the enclosure.  
 Example: AB = 800 mm => N = (800 + 40 + 40) ÷ 500 = 1.76 => 2 extraction elements.

## Technical data Static Combi Cleaner

|   |   |
|---|---|
| R51 discharging bar                                 | see Technical Data R50/R51 TI-e-2016  |
| <b>Ratings</b>                                      |   |
| Weight  | without extraction enclosure: approx. 9 kg/meter<br>with extraction enclosure: approx. 12 kg/meter  |
| Air pressure  | 5 ... 10 bar, dry, oil-free, filtered   |
| Air consumption, speed-controlled nozzle (at 6 bar) | 0,6 0,8 1,0 1,2 1,4 1,6 1,8 2,0 Ø nozzle insert mm<br>100 140 170 240 340 420 520 630 NI/min  |
| Air consumption, uncontrolled nozzle (at 6 bar)     | 0,6 0,8 1,0 1,2 1,4 1,6 1,8 2,0 Ø nozzle insert mm<br>40 80 110 180 280 360 460 570 NI/min  |
| Nozzle speed, controlled nozzle                     | approx. 600 min <sup>-1</sup>   |
| Nozzle speed, uncontrolled nozzle                   | depending on air pressure and setting angle of the nozzle inserts   |
| Compressed air connection                           | G 1/2", or hose grommet NW13  |
| Extraction power (with extraction enclosure)        | min. 500 m <sup>3</sup> /h per extraction nozzle,<br>extraction: min. 2,500 Pa (0.025 bar)  |
| Ambient operating temperature                       | 0...+80 °C (+32...+176 °F)  |
| Storage temperature                                 | 0...+80 °C (+32...+176 °F)  |
| Ambient humidity                                    | max. 70% r.h. non-dewing  |
| <b>Order information</b>                            | Order No.: SCC / A BBBB C DD E FFF G HHH  |
| Static Combi Cleaner                                | A 1...9 (number of extraction elements)<br>0 (without extraction elements)<br>BBBB working width in mm<br>C R (speed-controlled nozzle)<br>U (uncontrolled nozzle)<br>DD Number of nozzles, max. no. of nozzles =<br>working width / (effective diameter + 30 mm),<br>E Size of nozzle inserts A = 0.6 mm to I = 2.0 mm,<br>standard insert = 1.2 mm, nozzle inserts interchangeable<br>FFF Effective diameter in mm (75...200 mm),<br>Standard: without enclosure 170 mm with enclosure: 140 mm)<br>G S (standard with discharging bar)<br>K (no discharge function)<br>HHH Options: 001 = separate turn-off nozzles |

## Accessories and equipment

| Article  | Art. No. | Article                                | Art. No.  |
|--|----------|--|-----------|
| Air nozzle insert 0.6 mm                               | 108213   | Air nozzle insert 1.4 mm               | 108217    |
| Air nozzle insert 0.8 mm                               | 108214   | Air nozzle insert 1.6 mm               | 108218    |
| Air nozzle insert 1.0 mm                               | 108215   | Air nozzle insert 1.8 mm               | 108219    |
| Air nozzle insert 1.2 mm                               | 108216   | Air nozzle insert 2.0 mm               | 108220    |
| Linkage with clamp lever                               | 108221   | ES51 power supply for discharging bars | ES51/E2PA |
| Connecting cable for discharging bars (specify length) |          |  | KE/LI     |



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