KIST + ESCHERICH

TAIFUN-CLEAN® 014

Surface cleaning system for 3D components for large working widths, with suction

Key Facts

- **Compact cleaning system** for integrating into new and existing plants
- **Integrated ionisation to neutralise electrostatic surface charges**
- **Internal suction channel** for transporting the loosened particles to the suction unit
- **For structured components** and complex component geometries

Product Description

TAIFUN-CLEAN® 014 has been specially developed for cleaning large components. The combination of two-track ionisation, pulsating compressed air through rotating nozzles and an integrated suction channel reliably removes particles.

A perfect team: The suction, filter and supply units from KIST + ESCHERICH are optimally matched to our cleaning systems and guarantee a consistently excellent cleaning result.

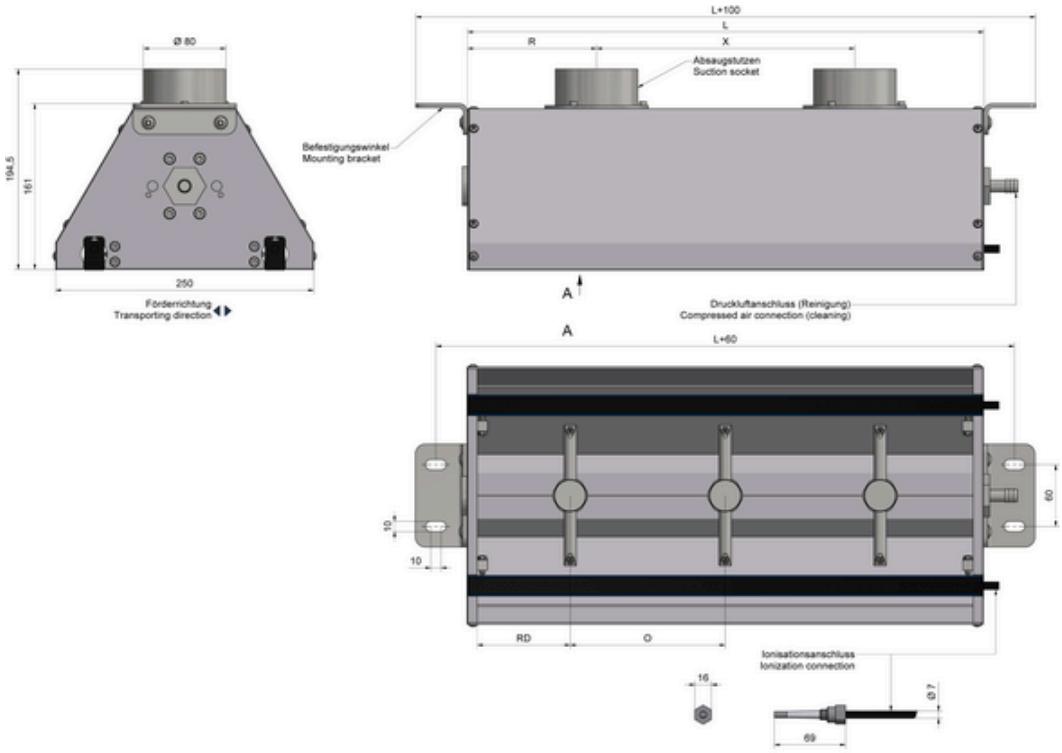
- Suction and control via KIST + ESCHERICH supply unit
- Contactless cleaning protects the material surface
- Ionisation system contact-voltage proof for users
- Individual working widths for precise integration
- Option: Air guide plates for channelling the suction airstream
- Additional variants available: CR, ESD, EX, UL

Technical Data

	TC014	TC014ESD	TC014EX	TC014UL
Version	Standard	ESD applications	EX applications	UL version
Working width	200 – 2000 mm	200 – 1000 mm	200 – 2000 mm	200 – 2000 mm
Working width increment	150 mm	150 mm	150 mm	150 mm
Working distance (min – max)	20 – 40 mm	20 – 40 mm	20 – 40 mm	20 – 40 mm
Rotating nozzle type	TCR-7A-130	TCR-7A-130	TCR-7A-130-EX	TCR-7A-130
Operating pressure for cleaning system recommended	1.5 - 3.5 bar	1.5 - 3.5 bar	1.5 - 3.5 bar	1.5 - 3.5 bar
Operating air pressure for cleaning (min. - max.)	1.0 - 5.0 bar	1.0 - 5.0 bar	1.0 - 5.0 bar	1.0 - 5.0 bar
Diameter of the suction port	80 mm	80 mm	80 mm	80 mm
Ionisation type	2 × **PB55**	2 × **SIP25**	2 × **PB55EX**	2 × **PB55UL**
Working temperature (min. - max.)	5 – 50 °C	5 – 50 °C	5 – 50 °C	5 – 50 °C
Weight at minimum working width	5.5 kg	5.5 kg	5.5 kg	5.5 kg
Weight per additional working width increment	2.6 kg	2.6 kg	2.6 kg	2.6 kg
Conveying direction (uni-/bi-/multidirectional)	Bi-directional	Bi-directional	Bi-directional	Bi-directional

Technical Drawings

TC014



L: Arbeitsbreite
Working width

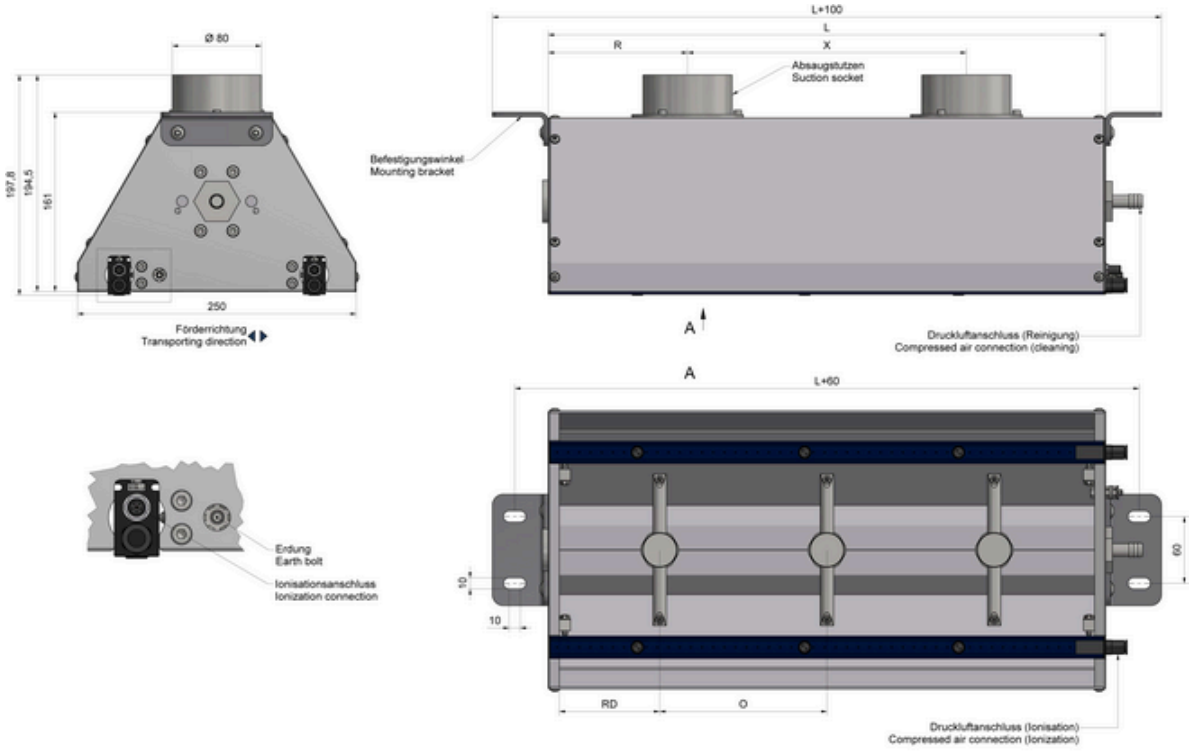
RD: Randabstand der Rotationsdüsen
Edge distance of the rotating nozzles

O: Abstand zwischen den Rotationsdüsen
Distance between the rotating nozzles

X: Stutzenabstand
Socket distance

R: Randabstand der Stutzen
Socket edge distance

TC014ESD



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Edge distance of the rotating nozzles

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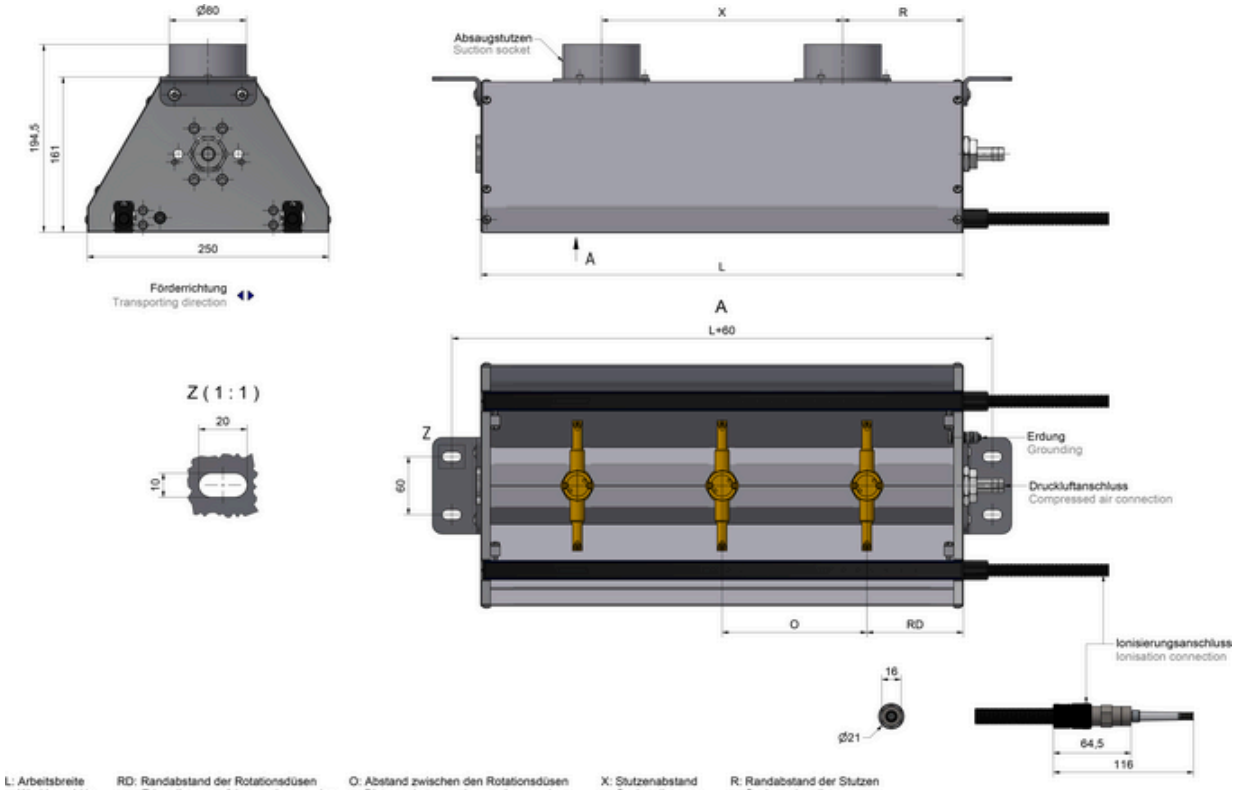
X: Stutzenabstand
Socket distance

R: Randabstand der Stutzen
Socket edge distance

Druckluftschlauch 2x Ø8 zusammengeführt auf 1x Ø10
Compressed air hose 2x Ø8 merged to 1x Ø10

TC014EX



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Edge distance of the rotating nozzles

O: Abstand zwischen den Rotationsdüsen
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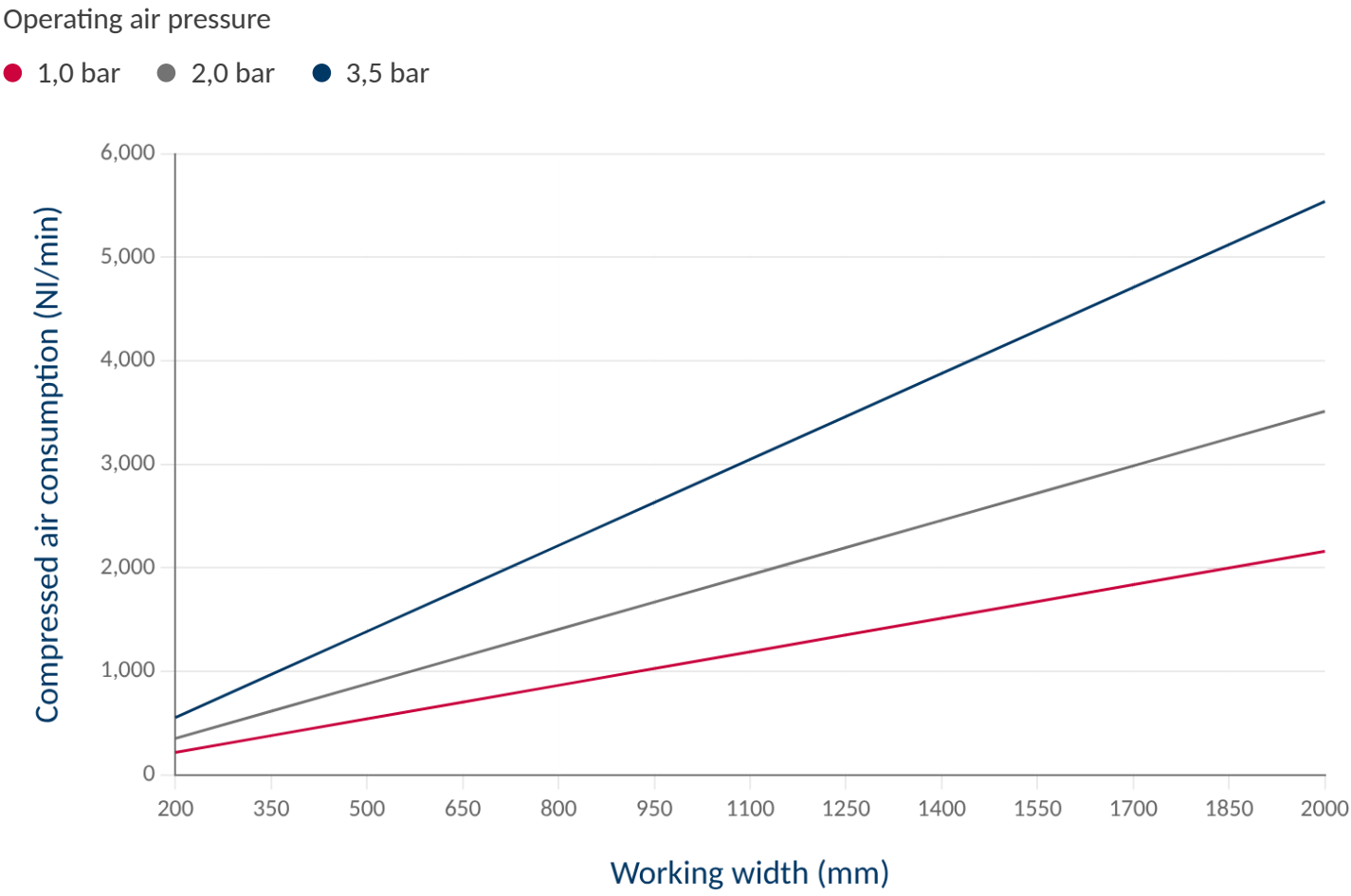
Socket distance

R: Randabstand der Stutzen
Socket edge distance

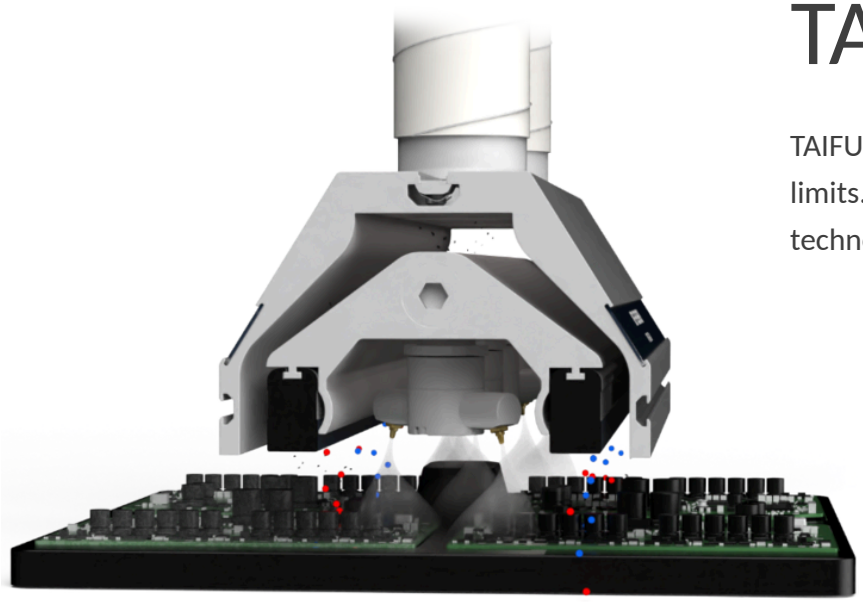
Air Consumption

Hover over the graph to find out the exact compressed air consumed per operation at each working pressure.



ESD version: Max. working width 1,000 mm; additional compressed air consumption for ionisation 2 ×

PRECISION BAR 25



TECHNOLOGY

TAIFUN-CLEAN®

TAIFUN-CLEAN® begins where others have reached their limits. Would you like to learn more about the technology behind our product?

Related Products

ESUC 230/390/650

Filter, suction and supply unit (performance class 230 – 650 m³/h)

ESUC 1300

Filter, suction and supply unit (Performance class 1300 m³/h)

ESUC 201/202/401/402

Filter, suction and supply unit (performance class 2400 – 3400 m³/h)

Accessories for suction hoses

Accessories for output air components

ION CHECK

Function tester for testing ionisation systems