

TAIFUN-CLEAN® 015

Surface cleaning system for 3D components, with suction

TC015



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

The best-seller among the cleaning systems. TAIFUN-CLEAN® 015 is the world's most frequently used system for non-contact surface cleaning. 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.

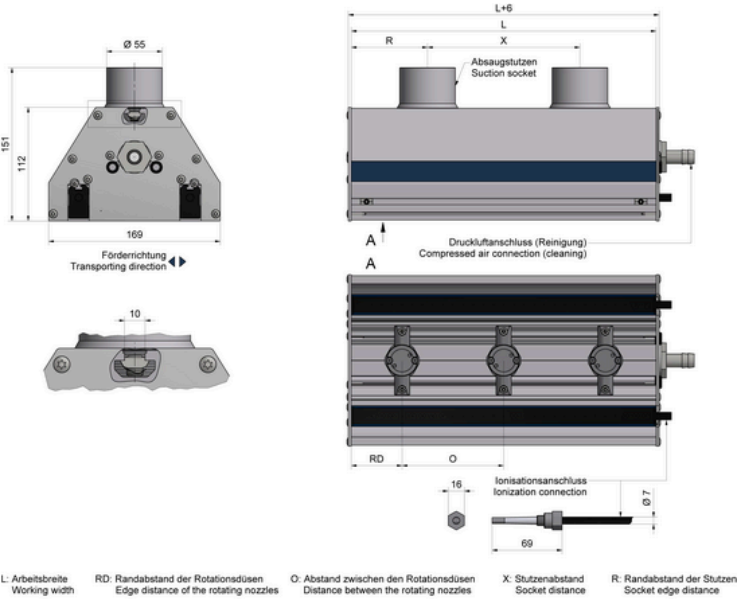
- Suction and control via KIST + ESCHERICH supply unit
- Contactless cleaning protects the material surface
- Ionisation system contact-voltage proof for users
- Individual working widths for precise integration
- Special underside cleaning variant available
- Option: Air guide plates for channelling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

Technical Data

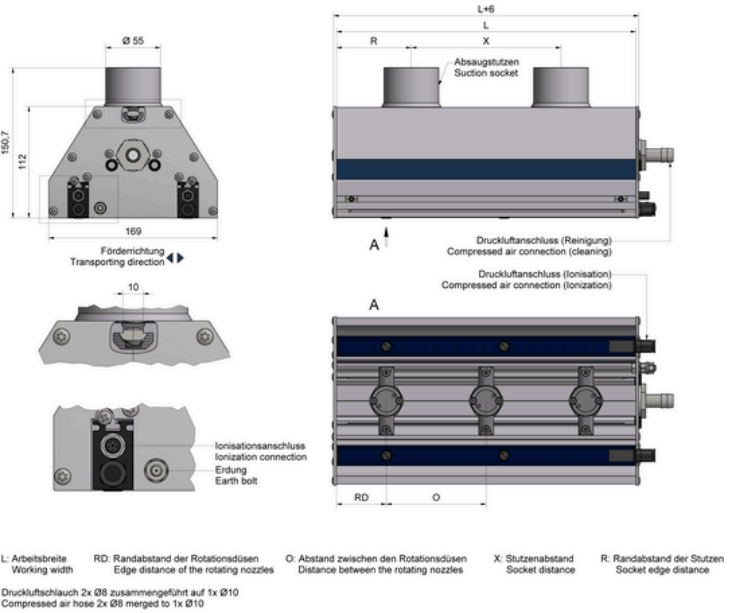
	TC015	TC015CR	TC015ESD	TC015EX	TC015UL	TC015US
Version	Standard	Cleanroom optimised	ESD applications	EX applications	UL version	bottom side cleaning
Working width	100 – 2800 mm	100 – 2800 mm	100 – 1000 mm	100 – 2800 mm	100 – 2800 mm	100 – 2800 mm
Working width increment	100 mm	100 mm	100 mm	100 mm	100 mm	100 mm
Working distance (min. – max.)	20 – 40 mm	20 – 40 mm	20 – 40 mm	20 – 40 mm	20 – 40 mm	20 – 40 mm
Rotating nozzle type	TCR-7A-070	TCR-7A-070-VA	TCR-7A-070	TCR-7A-070-EX	TCR-7A-070	TCR-7A-070
Operating air 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	1.5 – 3.5 bar	1.5 – 3.5 bar
Operating air pressure for cleaning system (min. – max.)	1.0 – 5.0 bar	1.0 – 5.0 bar	1.0 – 5.0 bar	1.0 – 5.0 bar	1.0 – 5.0 bar	1.0 – 5.0 bar
Type compressed air connection for the cleaning system	Hose grommet		Hose grommet		Hose grommet	Hose grommet
Diameter of the suction port	55 mm	55 mm	55 mm	55 mm	55 mm	55 mm
Type Ionisation	2x PB55	2x PB55CR	2x SIP25	2x PB55EX	2x PB55UL	2x PB55
Ambient temperature (min. – max.)	5 – 50 °C	5 – 50 °C	5 – 50 °C	5 – 40 °C	5 – 50 °C	5 – 50 °C
Weight at minimum working width	1.9 kg	1.9 kg	1.9 kg	1.9 kg	1.9 kg	
Weight per additional working width increment	1.3 kg	1.3 kg	1.3 kg	1.3 kg	1.3 kg	
Conveying direction (uni-/bi-/multidirectional)	Bi-directional	Bi-directional	Bi-directional	Bi-directional	Bi-directional	Bi-directional

Technical Drawings

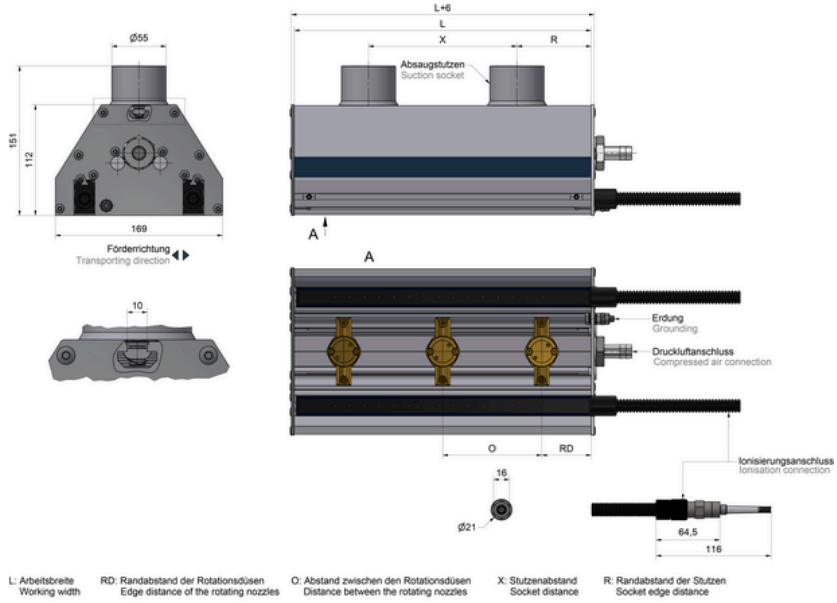
TC015



TC015ESD



TC015EX

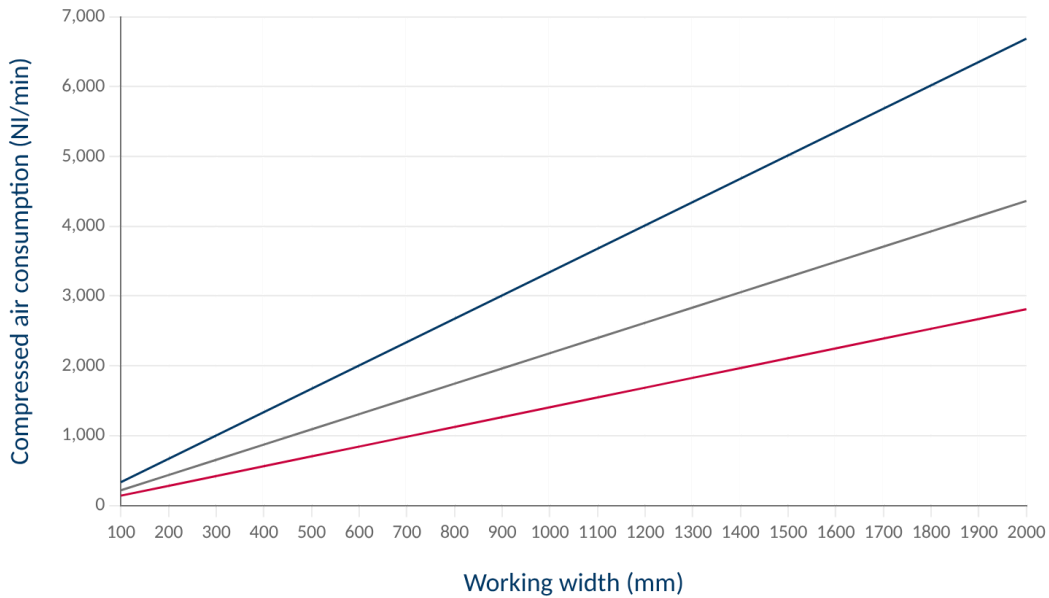


Air Consumption

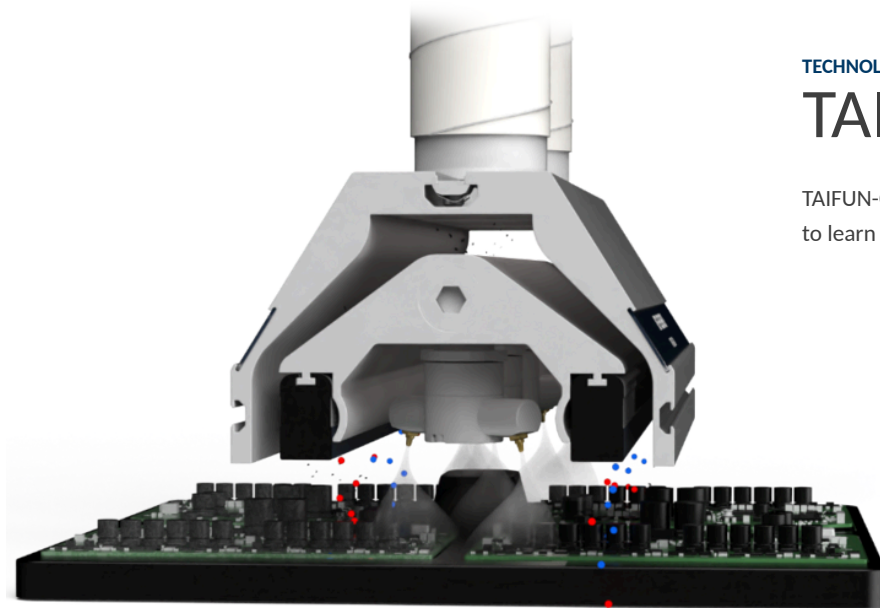
Hover over the graph to find out the exact compressed air consumed per operation at each working pressure.

Operating air pressure

● 1,0 bar ● 2,0 bar ● 3,5 bar



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



Accessories for suction hoses



Accessories for output air components



ION CHECK

Function tester for testing ionisation systems