KIST + ESCHERICH

TAIFUN-CLEAN® 06

Compact surface cleaning system for 3D components, without suction

Key Facts

- **Compact cleaning system** for integrating into new and existing plants
- **Integrated ionisation to neutralise electrostatic surface charges**
- **Can be used in the laminar stream** thanks to its open construction
- **For structured components** and complex component geometries

Product Description

TAIFUN-CLEAN® 06 is designed to be used in confined spaces and has been specially developed for cleaning three-dimensional components in laminar flow applications or for suction geometries that are adapted to the component. A suction system can be arranged at the side or below the cleaning system as needed. TAIFUN-CLEAN® 06 is the compact version of the TAIFUN-CLEAN® 04.

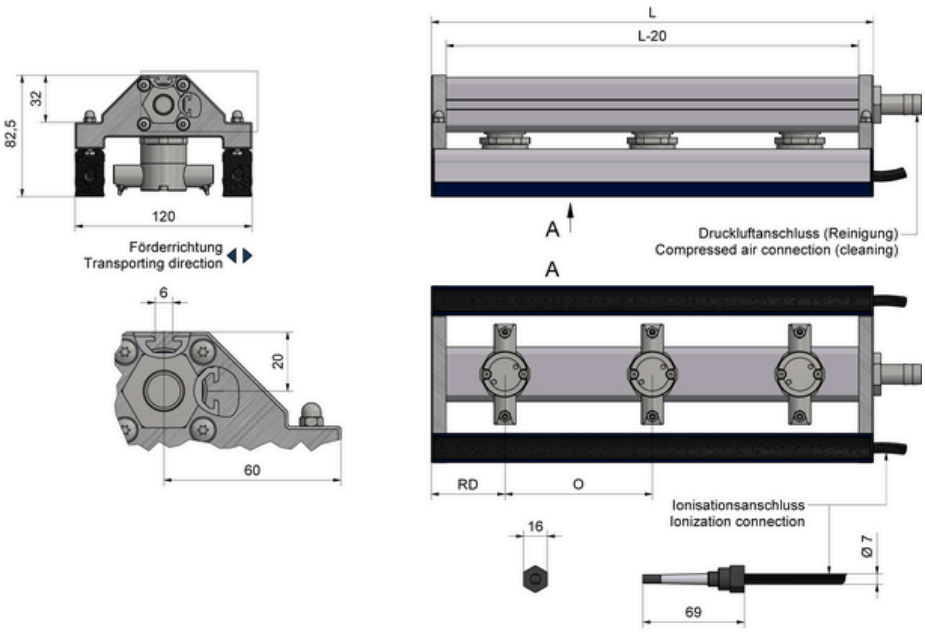
- Contactless cleaning protects the material surface
- Ionisation system contact-voltage proof for users
- Individual working widths for precise integration
- Additional variants available: CR, ESD, EX, UL

Technical Data

	TC 06	TC 06 CR	TC 06 ESD	TC 06 EX	TC 06 UL
Version	Standard	Cleanroom optimised	ESD applications	EX applications	UL version
Working width	100 – 2000 mm	100 – 2000 mm	100 – 1000 mm	100 – 2000 mm	100 – 2000 mm
Working width increment	100 mm	100 mm	100 mm	100 mm	100 mm
Working distance (min. – max.)	20 – 50 mm	20 – 50 mm	20 – 50 mm	20 – 50 mm	20 – 50 mm
Rotating nozzle type	TCR-7A-070	TCR-7A-070-VA	TCR-7A-070	TCR-7A-070-EX	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
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
Type Ionisation	2x **PB55**	2x **PB55CR**	2x **SIP25**	2x **PB55EX**	2x **PB55UL**
Ambient temperature (min. – max.)	5 – 50 °C	5 – 50 °C	5 – 50 °C	5 – 50 °C	5 – 50 °C
Weight at minimum working width	1.2 kg	1.2 kg	1.8 kg	1.2 kg	1.2 kg
Weight per additional working width increment	1.2 kg	1.2 kg	1.2 kg	1.2 kg	1.2 kg
Conveying direction (uni-/bi-/multidirectional)	bi-directional	bi-directional	bi-directional	bi-directional	bi-directional

Technical Drawings

TC06

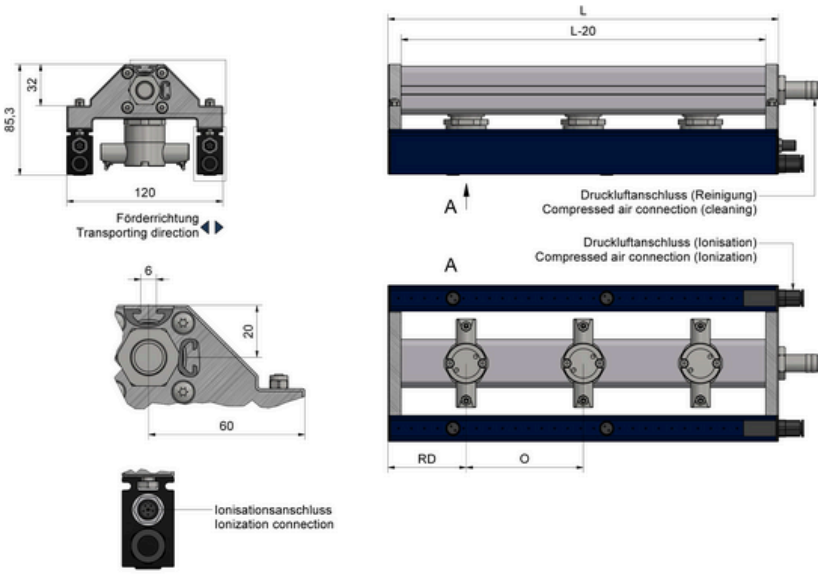


L: Arbeitsbreite
Working width

RD: Randabstand der Rotationsdüsen
Edge distance of the rotating nozzles

O: Abstand zwischen den Rotationsdüsen
Distance between the rotating nozzles

TC06ESD



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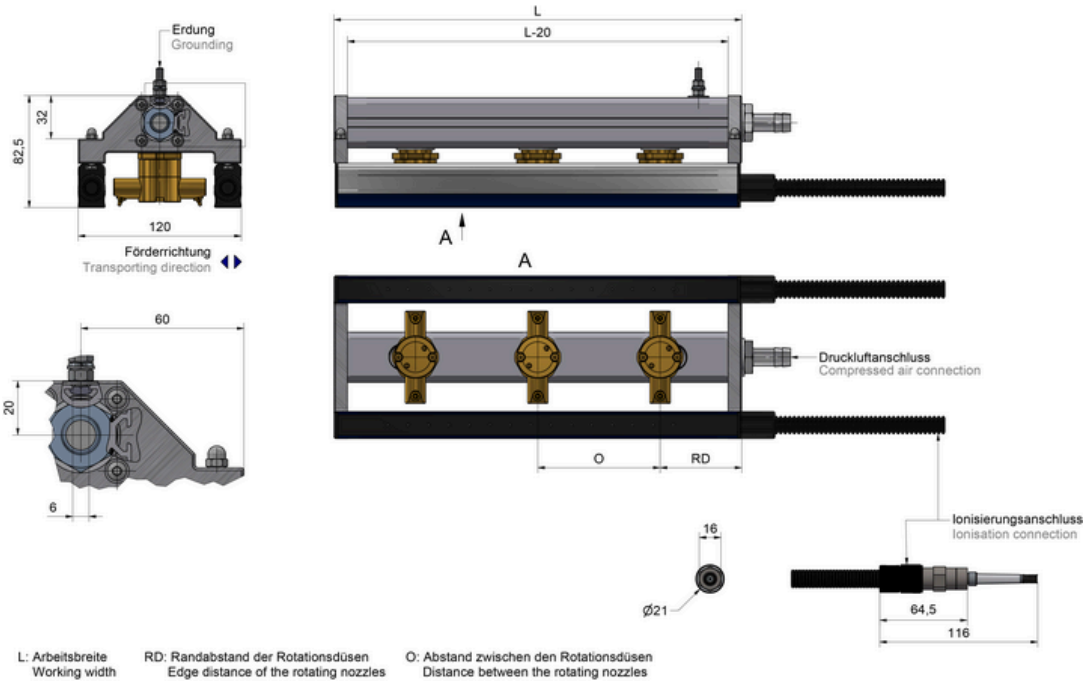
Distance between the rotating nozzles

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

Erdung über Nutenstein
Grounding via slot nut

TC06EX

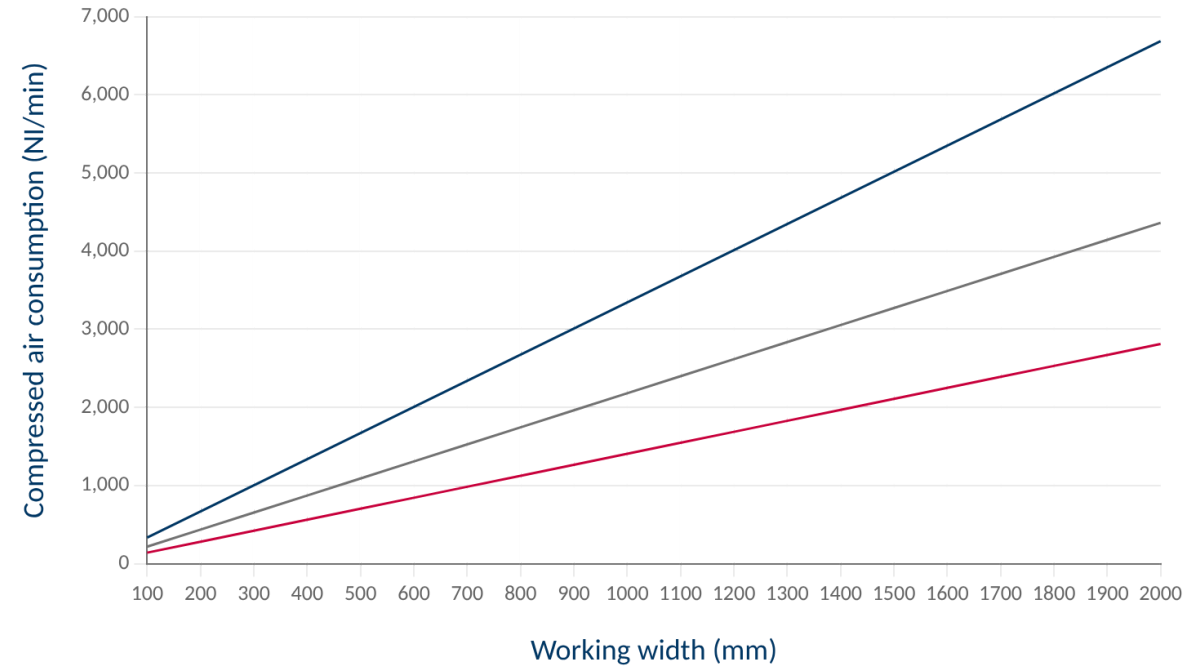


Air Consumption

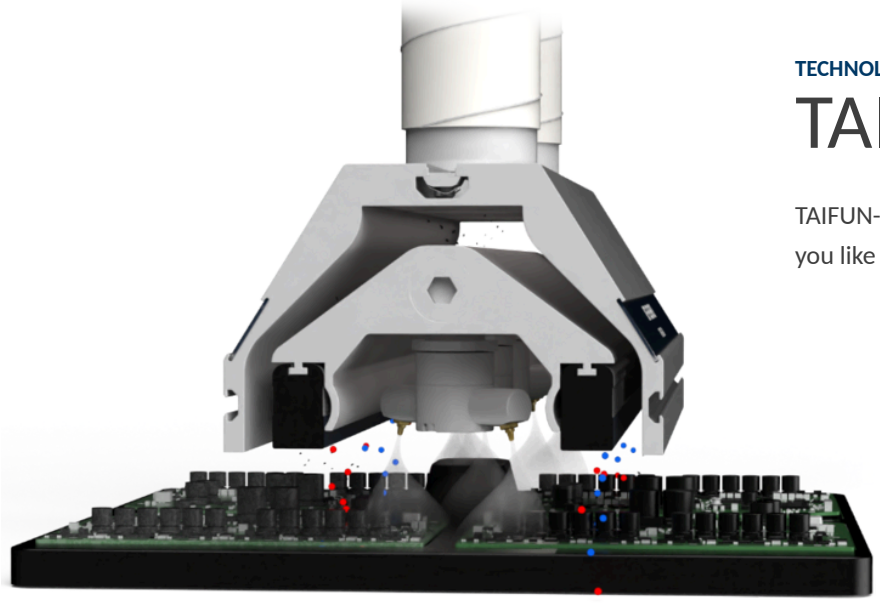
Hover over the graph to find out the exact compressed air consumed per operation at each working pressure.

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 × 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

POWER UNIT 60

Powerful HV power supply for KIST + ESCHERICH ionisation systems

HV-DISTRIBUTOR

Distributors for TRUE ION ionisation systems

ION CHECK

Function tester for testing ionisation systems