

TAIFUN-CLEAN® 012

Small surface cleaning system for 3D components, with suction

[English] TC012



Key Facts

- ✓ **Compact cleaning system** for integrating into new and existing plants
- ✓ **Integrated ionisation** to neutralise electrostatic surface charges
- ✓ **Integrated suction channel** for transporting the loosened particles to the suction unit
- ✓ **Compact design** for tight spaces

Product Description

TAIFUN-CLEAN® 012 has been specially developed for cleaning very small components (width up to 120 mm). The combination of ionisation, pulsating compressed air and an integrated suction channel reliably removes particles.

Application examples: Narrow workpiece carriers, blister packaging, blister belts, small plastic parts

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.

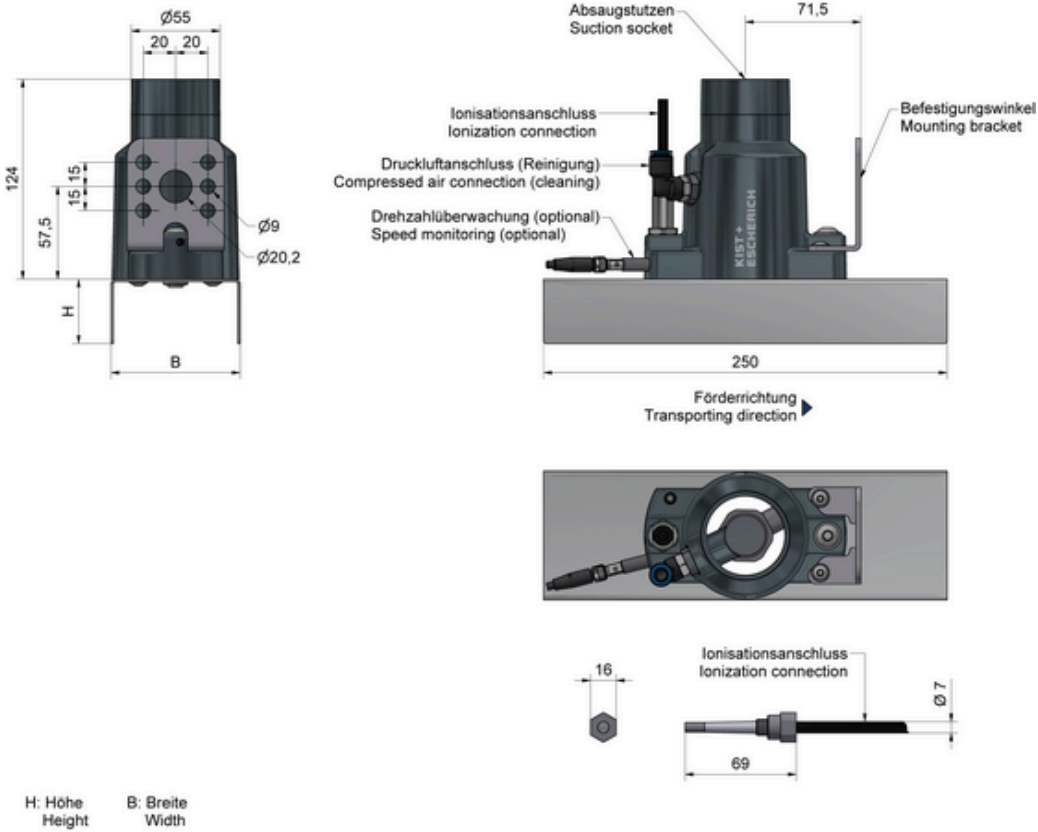
- For structured components and complex component geometries
- Suction and control via KIST + ESCHERICH supply unit
- Contactless cleaning protects the material surface
- Ionisation system contact-voltage proof for users
- Individual working widths for precise integration
- Option: Air guide plates for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

Technical Data

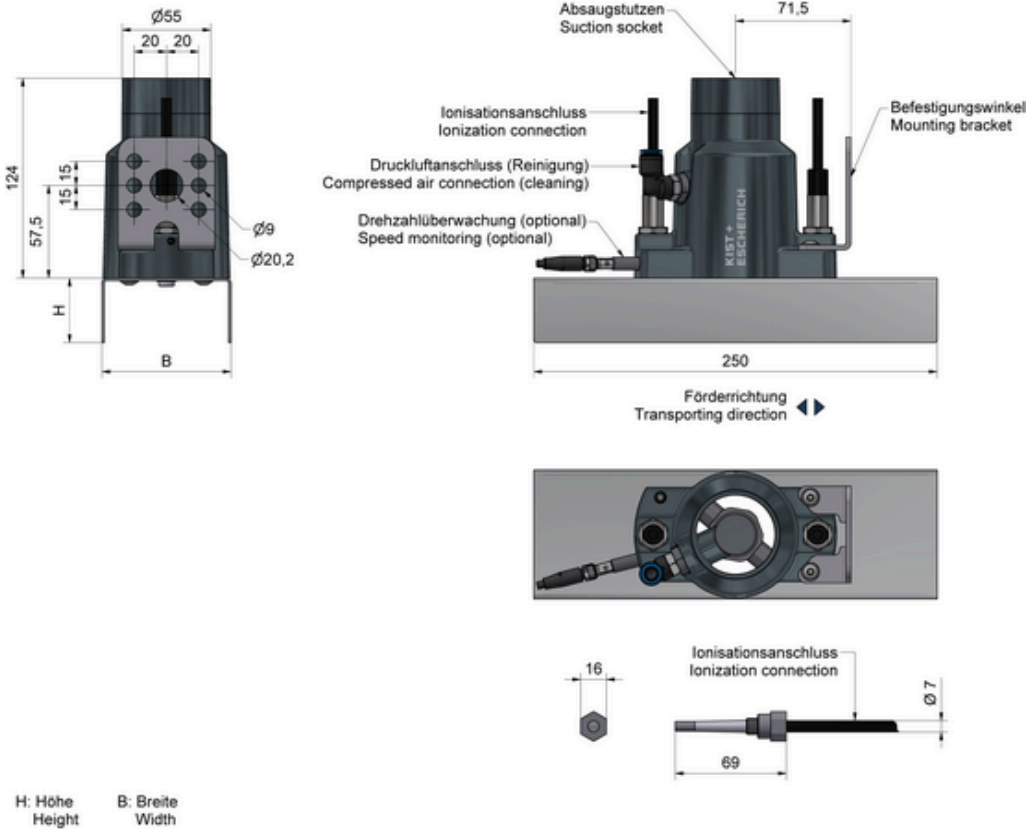
	TC012	TC012 CR	TC012 ESD
Version	Standard	Cleanroom optimised	ESD applications
Working width	80 – 120 mm	80 – 120 mm	80 – 120 mm
Working distance (min. – max.)	20 - 50 mm	20 - 50 mm	20 - 50 mm
Rotating nozzle type	TCR-7A-070	TCR-7A-070-VA	TCR-7A-070
Operating air pressure for cleaning system (recommended)	1.5 - 3.5 bar	1.5 - 3.5 bar	1.5 - 3.5 bar
Operating air pressure for cleaning system (min. – max.)	1.0 - 5.0 bar	1.0 - 5.0 bar	1.0 - 5.0 bar
Type compressed air connection for the cleaning system	Ø 10 mm	Ø 10 mm	Ø 10 mm
Diameter of the suction port	55 mm	55 mm	55 mm
Type Ionisation	1× SP55 2× SP55	1× SP55 2× SP55	1× SIP-INT 2× SIP-INT
Ambient temperature (min. – max.)	5 – 50 °C	5 – 50 °C	5 – 50 °C
Weight	0,9 kg	0,9 kg	0.9 kg
Weight per additional ioniser	0.1 kg	0.1 kg	0.1 kg

Technical Drawings

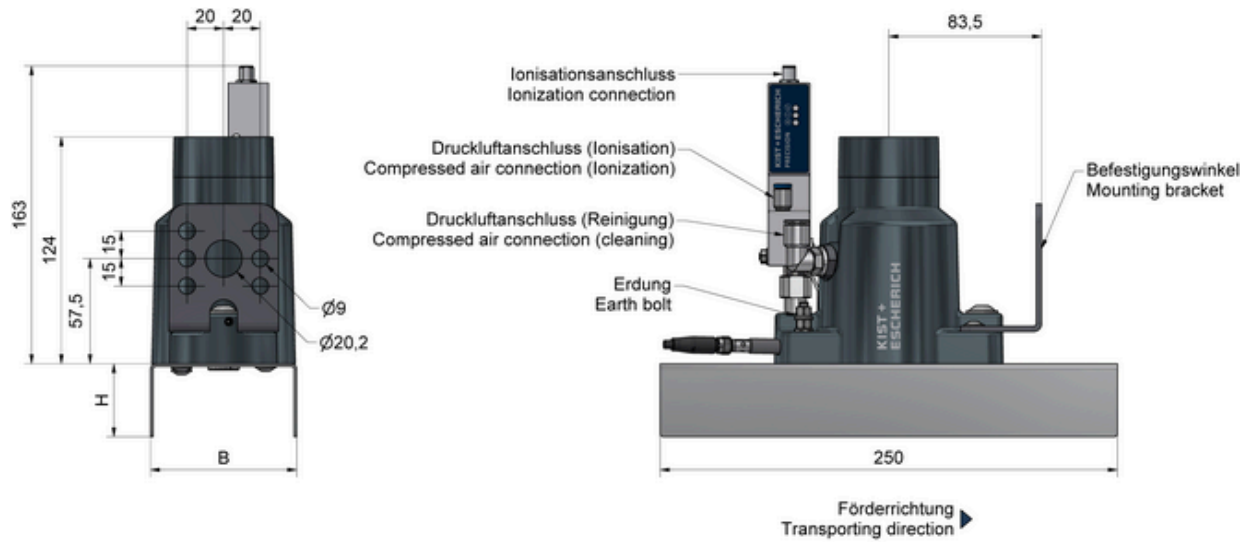
TC012 1



TC012 2



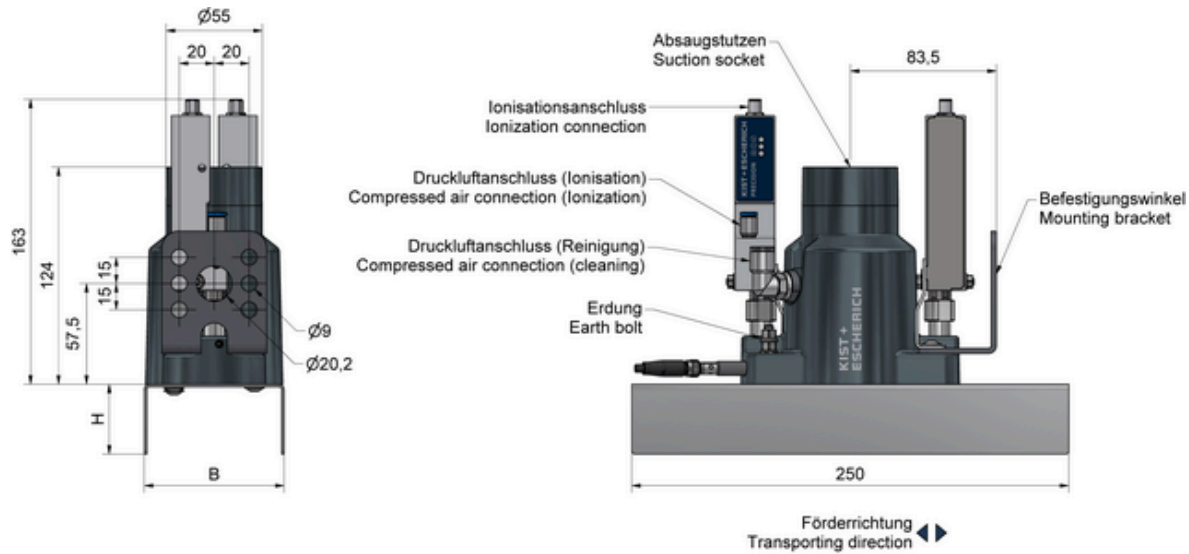
TC012ESD 1



H: Höhe
Height

B: Breite
Width

TC012ESD 2



H: Höhe
Height

B: Breite
Width

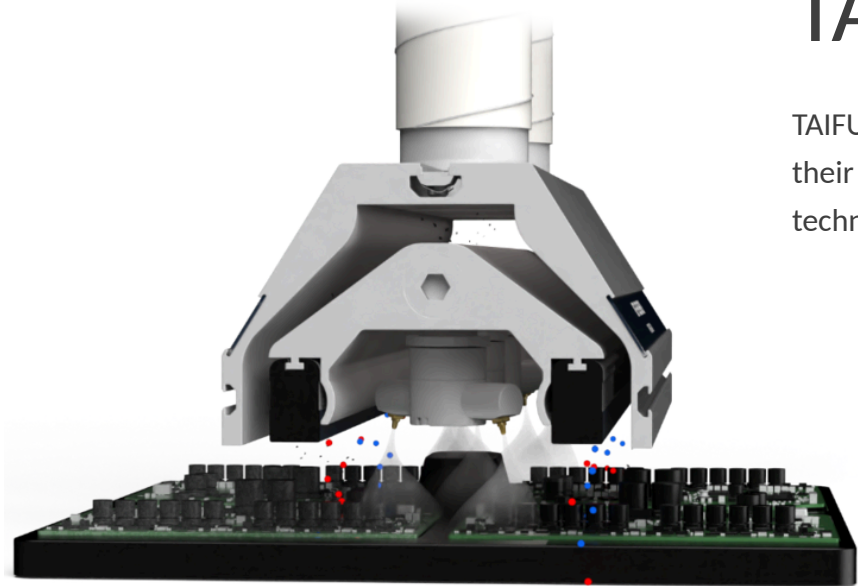
Air Consumption

Compressed air consumption for cleaning

Working width in mm	1.0 bar	2.0 bar	3.5 bar
NI/min at operating pressure			
80-120	140	220	340

Compressed air consumption for ionisation (for ESD variant)

Model	(NI/min)		
Operating air pressure	0.5 bar	2.0 bar	4.0 bar
TC012ESD-01-03-D61	30	72	120
TC012ESD-02-03-D61	60	144	240



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



ES 42

Compact filter and suction device (Performance class: 230 – 250 m³/h)



ESUC 230/390/650

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



Accessories for suction hoses



Accessories for output air components



ION CHECK

Function tester for testing ionisation systems