

Instruction and Operation Manual

Zero filter for particle counters

A554 1204



Revision: 2025-1

Last modification: February, 2025

1 Safety instructions

Please check if this instruction manual matches with the product type.



WARNING!

Compressed air!

Any contact with quickly escaping air or bursting parts of the compressed air system can lead to serious injuries or even death!

- Do not exceed the maximum permitted pressure range (stated on the sensors label).
- Only use the pressure-tight installation material.
- Avoid getting hit by escaping air or bursting parts of the instrument.

Storage and transportation

- Make sure that the transportation / storage temperature of the device is between -30 ... +70°C.
- For transportation it is recommended to use the closing caps to protect the inlet and outlet of the device.

2 Application

This Zero filter for particle counters is used to test particle counters used in the SUTO products such as S130, S132, S600, S601, and equivalent products. The particle counter under test should show zero values after 35 minutes latest.

3 Technical data

Filter material	PTFE
Fittings (inlet / outlet)	6 mm, quick connectors
Effective filter area	$\geq 0.14 \text{ m}^2$
Removal rating	0.1 μm
Pressure rating	0 ... 1.5 MPa
Dimensions	199 x 86 mm
Weight	1050 g

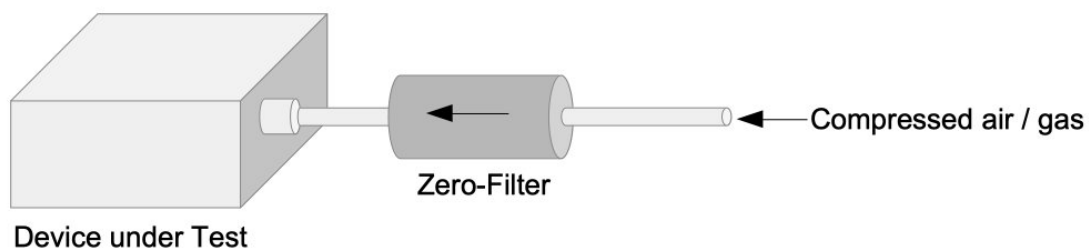
4 Installation

Before you install the sensor, make sure that all components listed below are included in your package.

Qty.	Description	Item number
1	Zero filter for particle counters	A554 1204
1	Teflon hose with metal sleeves / connectors	A554 3318

Steps:

1. Observe the flow direction sign printed on the filter label.
2. As shown in the below illustration, connect the inlet of the device under test to the Outlet of the filter.
3. Connection the Inlet of the filter with the compressed air supply.



Note: Always use a 6 mm Teflon hose connector to connect the hose to the filter. If not used, there will be debris scraping off to produce particles.

5 Maintenance

- Always close the inlet and outlet of the filter with the closing caps.
- If the filter cannot produce zero counts any more, please contact SUTO service for advice.
- Do not use or leave the product in particularly dirty or dusty environment.

SUTO iTEC GmbH

Grißheimer Weg 21
D-79423 Heitersheim
Germany

Tel: +49 (0) 7634 50488 00
Email: sales@suto-itec.com
Website: www.suto-itec.com

SUTO iTEC (ASIA) Co., Ltd.

Room 10, 6/F, Block B, Cambridge Plaza
188 San Wan Road, Sheung Shui, N.T.
Hong Kong

Tel: +852 2328 9782
Email: sales.asia@suto-itec.com
Website: www.suto-itec.com

SUTO iTEC Inc.

5460 33rd St SE
Grand Rapids, MI 49512
USA

Tel: +1 (616) 800-7886
Email: sales.us@suto-itec.com
Website: www.suto-itec.com

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