

Fraunhofer

TESTED® DEVICE

Norgren GmbH Pneufit-E fitting E02670838 **Report No. NO 2406-1528**

Single product Particle Emission Dry-Cleanroom

Qualification Certificate

This is to certify that the product mentioned above, provided by

Norgren GmbH

Alpen, Germany

has been awarded a Fraunhofer certificate TESTED DEVICE bearing the report number NO 2406-1528.

The Pneufit-E fitting E02670838 in combination with Integrated cylinder-valve combination (IVAC), 80mm diameter, 250mm stroke and P84C-4GT-PFN + B84G-4GK-AD3-RME + F84C-4GD-AP0 was assessed in compliance with ISO 14644-14. When operated under the specified test conditions, it is suitable for use in cleanrooms (with a dew point of -40 °C \pm 2 °C and room temperature of 22 °C \pm 1 °C) fulfilling the specifications of the following Air Cleanliness Class according to ISO 14644-1:

Test parameter(s)	Air Cleanliness Class
1 s per single stroke (0.5 Hz)	4
Overall result	

The test object itself is only tested for particle release. The exhaust air of the system is routed out of the clean environment during the measurements to avoid cross-contamination. The exhaust air is not measured.

Please note: Transport damages, incorrect installation, oil leakage, aging behavior, corrosion etc. can influence the test result.

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Report No. first document

Stuttgart, June 20, 2024

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on behalf of / Dr.-Ing. Frank Bürger, Project Manager Fraunhofer IPA



This document only

applies to the named

product in its original state

and is valid for a period of 5 years from the date the

first document was issued. The document can be verified under

www.tested-device.com.

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