



Fraunhofer

TESTED[®] DEVICE

Franke GmbH
LTD-0320

Report No. FR 2410-1564

Single product Particle Emission in Cleanroom (atmospheric)

Qualification Certificate

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

Franke GmbH
Aalen, Germany

has been awarded a Fraunhofer certificate TESTED DEVICE bearing the report number FR 2410-1564.

The slewing ring with direct drive LTD-0320 was assessed in compliance with ISO 14644-14. When operated under the specified test conditions (room temperature: $22^{\circ}\text{C} \pm 0.5^{\circ}\text{C}$; relative humidity: $45\% \pm 5\%$), it is suitable for use in cleanrooms fulfilling the specifications of the following Air Cleanliness Class according to ISO 14644-1:

Test parameter(s)	Air Cleanliness Class
Installation position: 45° angle Travel distance: Endurance run Cycles per minute: 50 rpm Payload: 50 kg	7
Overall result	

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

FR 2410-1564
Report No. first document

Stuttgart, June 3, 2025
Place, date of first document issued

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Report No. current document

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Place, current date

on behalf of 
Dr.-Ing. Frank Bürger, head of business unit Testing and Certification

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.

Detailed information and parameters of the test environment can be found in the Fraunhofer IPA test report.



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