



valid until: June 26, 2031

Fraunhofer

TESTED[®] DEVICE

HYDAC International
HEC Modular
Report No. HY 2606-1780

Single product
**Particle Emission
in Cleanroom
(atmospheric)**

Qualification Certificate

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

HYDAC International GmbH
Aspach, Germany

has been awarded a Fraunhofer certificate TESTED DEVICE
bearing the report number HY 2606-1780.

The HYDAC Modular Electric Cylinder 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
Cycle time: $t = 21\text{ s}$	5
Overall result	

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

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.

The norms stated generally
refer to the version valid at
the time of the tests.

HY 2606-1780
Report No. first document

Stuttgart, June 26, 2026
Place, date of first document issued

--
Report No. current document

--
Place, current date

on behalf of 
Dr.-Ing. Frank Burger, head of business unit Testing and Certification