



Fraunhofer TESTED[®] DEVICE

Linear actuator HPLA 80
Parker Hannifin
Report No. PA 0412-314

DUPLIKAT

IPA Qualification Certificate

This is to certify that the product mentioned below manufactured by the company

Parker Hannifin GmbH

Robert-Bosch-Straße 22
D- 77656 Offenburg

has been awarded an IPA Qualification Seal bearing the report number PA 0412-314.

When the Linear actuator HPLA 80 is being operated at the conditions of the following table, it is suitable for use in cleanrooms fulfilling the specifications of the given Air Cleanliness Classes according to ISO 14644-1.

Velocity (mm/s)	Air Cleanliness Class
100	ISO Class 5
500	ISO Class 5
1500	ISO Class 7

Detailed information and parameters of the test environment can be found in the IPA Test Report compiled by the Fraunhofer Society.

Certified on 10th December 2004.

The duration of the validity of this certificate is unlimited. For further information visit our website at <http://www.ipa-qualification.com>

Stuttgart, Germany, 10th December 2004

A handwritten signature in black ink, appearing to read 'Udo Sommer'.

Signature

