

**TYPE EXAMINATION
CERTIFICATE**

**Certificate No:
341.1-J-5978 Rev.0**

This is to certify that the product(s)
Aviation Refuelling Hoses

with name and/or type designation(s)
HD-C / VHD-C / PHD-F / TW-E
acc. to DIN EN ISO 1825:2011 / EI 1529:2014 (7th edition) / AS 2683:2000

Manufactured by
ELAFLEX - Gummi Ehlers GmbH
Schnackenburgallee 121, D - 22525 Hamburg, Germany

has been assessed, on voluntary basis, with respect to
the conformity assessment procedure described in the above mentioned standards, and found to comply

Further details are given overleaf

Høvik, 2015-05-21
for DNV GL


.....
(name)

Certification Manager

DNV GL AS, Høvik

This Certificate is valid until
2025-05-20


.....
(name)

Technical Reviewer

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid. Except for any liability caused by DNV GL's gross negligence or willful misconduct, DNV GL's maximum cumulative liability arising out of or related to the use of or reliance on this document shall be limited to USD 300 000. The digitally signed and electronically distributed document is the original and valid certificate. Ref.: www.dnv.com/digitalsignatures

Certificate No: 341.1-J-5971

Certificate history

Revision	Description	Issue Date
0	Original certificate	2015-05-21

Products covered by this Certificate

Product Name	Product Description	Applied Product Std.
HD-C	Rubber hoses and hose assemblies for aircraft ground fuelling, defuelling and airport depot hoses	DIN EN ISO 1825:2011
VHD-C		EI 1529:2014 (7th edition)
PHD-F		AS 2683:2000
TW-E		

Design Data

Maximum allowable pressure (PS)	Maximum / Minimum allowable temperature (TS)	Fluid	Fluid group
20 bar	+70/-30°C	Aircraft Fuels	1

Applications/Limitations

- This Certificate only relates to standards described above. Other standards or directives, covering other phenomena, might also apply.

Tests carried out on

Product Name / Identification	Tests
HD-C	acc. to above product standards
Production Site Name	Address
ContiTech Schlauch GmbH	Continentalstr. 3-5, D - 34497 Korbach, Germany

Inspection of manufacturing and testing of prototype(s) has been carried out by DNV GL Hamburg, ref. Assessment Report with comments dated 2015-05-12.

Documents reviewed

Drawing/Document No	Rev.	Date	Title	Status ¹
ELAFLEX catalogue	9	2013	Aircraft Refuelling Hoses	FI
M-10-01-06V			Verfahrensvorschrift	A
Z1285/1023			Production Specification	A

¹ A = Approved, AC = Approved with comments, FI = For information

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Terms and conditions

The certificate is subject to the following terms and conditions:

- In case of damages caused by defective products, directive 85/374/EEC, as amended, will apply
- The Certificate is only valid for the product(s) listed above
- The Certificate is concerned with the design and prototype testing of the product, only

The following may render this Certificate invalid:

- Changes in the design or construction of the product(s)
- Changes or amendments to the referenced directive(s)
- Changes or amendments in the standard(s) which form the basis for documenting compliance with the essential requirements of the directive(s)

Marking of product

This Certificate does not give the Manufacturer the right to CE mark the product(s) listed on this Certificate.

The manufacturer marking includes the Elaflex logo and a yellow band as well as the embossing per standard requirements.