

**DECLARATION OF CONFORMITY
EN1736 PERMIABILITY, PRESSURE, BURST and FATIGUE**

European Standard EN1736:2009

This document is a declaration of conformity to the European Standard EN1736:2009 of **REFFLEX[®] thermoplastic flexible hoses**.

Manufactured in commission by REFFLEX[®] International B.V., REFFLEX[®] hoses are to be used as a connection between pressure gauges, pressure switches, pressure test points, oil return line and for equalisation systems in commercial refrigeration and heat pump units.

UNI EN 1736:2009 determines the permeability, pressure strength, bursting pressure and fatigue resistance of flexible elements used in refrigerating systems and heat pumps.

The test has been performed on the following REFFLEX[®] products:

DN2 hose with brass fittings

With the following results:

Permeability

- At 100 C and 130 bar, the permeability is class 1

Pressure strength

- At a pressure of 104 bar, 169 bar and vacuum no damage or breakage detected

Bursting pressure

- Average burst pressure DN2 hose: 729 bar

Fatigue resistance

- After 250.000 cycles at 0 to 88 bar at 115 C and 0 to 143 bar at 130 C no damage or breakage detected

REFFLEX[®] products were tested Instituto Giordano (Italy) in October 2022, reported with test certificate 402546, dated 7 February 2023 and test certificate 399999, dated 22 November 2022. Full test results available upon request.

REFFLEX[®] International B.V.

Roald Tichelaar MBA
C.E.O.

Rotterdam, 20 February 2023

TECHNICAL REPORT No. 402546

Customer

REFLEX INTERNATIONAL B.V.
Augsburgstraat, 29 - 3047AA ROTTERDAM - The Netherlands

Item#

**pipes named
"DN2 with brass fittings"**

Activity



**permeability test in accordance with standard
UNI EN 1736:2009**

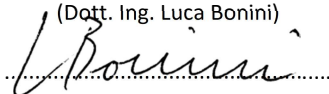
Results

Item	Class
DN2 with brass fittings	1

(#) according to that stated by the customer.

Bellaria-Igea Marina - Italy, 17 February 2023

Head of PED-Welding-NDT Laboratory
(Dott. Ing. Luca Bonini)



Chief Executive Officer

Order:
94987

Item origin:
sampled and supplied by the customer

Identification of item received:
2023/0061 dated 16 January 2023

Activity date:
7 February 2023

Activity site:
external laboratory qualified by Istituto Giordano

This document is made up of 1 page and 1 annex and shall not be reproduced except in full without extrapolating parts of interest at the discretion of the customer, with the risk of favoring an incorrect interpretation of the results, except as defined at contractual level.

The results relate only to the item examined, as received, and are valid only in the conditions in which the activity was carried out.

The original of this document consists of an electronic document digitally signed pursuant to the applicable Italian Legislation.

Compiler: Agostino Vasini
Reviewer: Dott. Ing. Luca Bonini

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