

**DECLARATION OF CONFORMITY
EN1736 PERMEABILITY, 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:

- **DN5 hose with stainless steel 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 DN5 hose: 504 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 by Istituto Giordano (Italy) in October 2022, reported with test certificate 401450, dated 7 November 2022, and test certificate 399999, dated 22 November 2022. Full test results available upon request.

REFFLEX® International B.V.
Roald Tichelaar
Managing director



Rotterdam, 1 September 2025