

**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 CO2-T**

With the following results:

Permeability

At 100°C and 140 bar, the permeability is class 1

Pressure strength

At a pressure of 154 bar and vacuum no damage or breakage detected

Bursting pressure

Average burst pressure DN5 hose: >900 bar

Fatigue resistance

After 250.000 cycles at 0 to 154 bar at 140°C no damage or breakage detected

REFFLEX[®] products were tested by Istituto Giordano (Italy) in June 2025, reported with test certificate 43008, dated 23 June 2025. Full test results available upon request.

REFFLEX[®] International B.V.
Roald Tichelaar
Managing director

Rotterdam, 1 September 2025

