



# Leak Testing

## Solutions for HVAC-R industry

We develop and manufacture test systems for leak testing and leak detection. For our customers from the refrigeration industry, we design individual solutions for the quality assurance of valves, heat exchangers, heat pumps and other components.

Do you need a test procedure that is efficient and can be economically integrated into your production process? If so, contact us. We develop solutions that are tailored to your requirements. We offer design, manufacturing and service from a single source.

W. v. d. Heyde was founded in 1878 and is an owner-managed company with more than 140 years of experience in mechanical engineering. For more than three decades, we have been specialized in designing reliable leak testing solutions.

**Von der Heyde stands for:**  
**Quality and reliability made in Stade, Germany.**

In the field of refrigeration technology, our customers ensure first-class product quality by means of these testing solutions to keep their leading position in the market.

## EVAPORATOR

Pressure and leak testing

Method: integral vacuum test  
 Leak rate: range 10-6 mbar l/s  
 Test pressure: 44 bar  
 Cycle time: < 180 seconds

### Features

- fully automated operation mode
- automated product identification
- automated selection of test programme
- automatic workpiece conveying system
- interface for export of test data



## HEAT PUMP

Pressure and leak testing

Method: integral vacuum test  
 Leak rate: range 10-5 mbar l/s  
 Test pressure: up to 35 bar  
 Cycle time: < 9 minutes

### Features

- semi-automatic operation mode
- handling by external hoist
- automated selection of measuring programme
- different HP / LP pressure test level
- functional test of HP limit switch
- functional test of EEV
- functional test of 4-way reversing valve
- interface for export of test data (OPC-UA)
- helium recovery unit



## COMPRESSOR

Pressure and leak testing

Method: integral vacuum test  
 Leak rate: range 10-5 mbar l/s  
 Test pressure: 10 bis 52 bar  
 Cycle time: < 8 minutes

### Features

- semi-automatic operation mode
- safety analysis for test chamber
- infinitely variable test pressure
- automatic workpiece conveying system



## VALVE MODULE

Localization test (leak detection)

Method: manual sniffing test  
 Leak rate: range 10-5 mbar l/s  
 Test pressure: 20 bar  
 Cycle time: individual

### Features

- automated test gas filling and evacuation
- operator handled sniffing probe
- interface for export of test data (SQL)

# CONTACT

## Sales

Christian Eggers

Senior Sales Manager

eggers@vdh-germany.de

## Service

Sönke Engelhardt

Service-Management

service@vdh-germany.de

## Chief Technical Officer

Stefan Meyer

CTO

meyer@vdh-germany.de



- Headquarters: ✓ Germany
- Branch: ✓ USA
- Representations: ✓ China
- ✓ South Korea
- ✓ Thailand
- ✓ India

**vdh Germany**

**W. v. d. Heyde GmbH**

Wetternstraße 2, 21682 Stade

**T** +49-4141-9991-0

**M** info@vdh-germany.de

**vdh-germany.de**