

## Test Report

Client

Hauff Technik GmbH & Co. KG  
Giengener Straße 35  
89428 Syrgenstein - Landshausen

Order no.

A 9040-1 / 2012

Date of contract : May 25<sup>th</sup>, 2012

Contract : Testing of the gas tightness of the system cover  
HSI 150-DG-3/24-54 for building entries with  
compressed air

Delivery of test items : Client

Date of receipt of test items : May 30<sup>th</sup>, 2012

Testing period : May 30<sup>th</sup> - 31<sup>th</sup>, 2012

Augsburg, June 21<sup>th</sup>, 2012  
lo/di

Department Manager



Holger Dietrich



Laboratory Manager



Hendrik Zaus

This Test Report consists of 8 pages.  
It may only be published unabridged.  
The test results relate only on the items tested. The test material is dissipated.

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## 1 General

Kiwa MPA Bautest GmbH was contracted by Hauff-Technik GmbH & Co. KG to evaluate the gas tightness of the system cover HSI 150-DG-3/24-54 at room temperature.

Therefore a prefabricated test setup was delivered by Hauff-Technik GmbH & Co. KG to our test laboratory in Augsburg.

The system cover HSI 150-DG-3/24-54 is a divided seal insert with inserts for one or several cables for use as a cable lead-through for buildings in a packing piece HIS 150-K or core hole of  $\varnothing$  150 mm.

## 2 Test procedure

### 2.1 Test preparation (Hauff-Technik)

According to the manufacturer information the test setup was pre-assembled as follows:

The cover system HSI 150-DG-3/24-54 was installed in a concrete test member as shown in Figure 3. The used cover system was assembled with three cable dummies as shown in Figure 2 to Figure 4.



## 2.2 Test procedure (Kiwa MPA Bautest)

The test member which was delivered by the manufacturer was a pre-assembled test member with a test setup in accordance with section 2.1 and with a pre-assembled manometer (see Figure 1). A calibration of the manometer by Kiwa MPA Bautest GmbH was not carried out.

After consultation with the manufacturer a tightness test with compressed air over a period of 24 h with a nominal pressure of 2.5 bar at room temperature was carried out with a test specimen as shown in Figure 1.

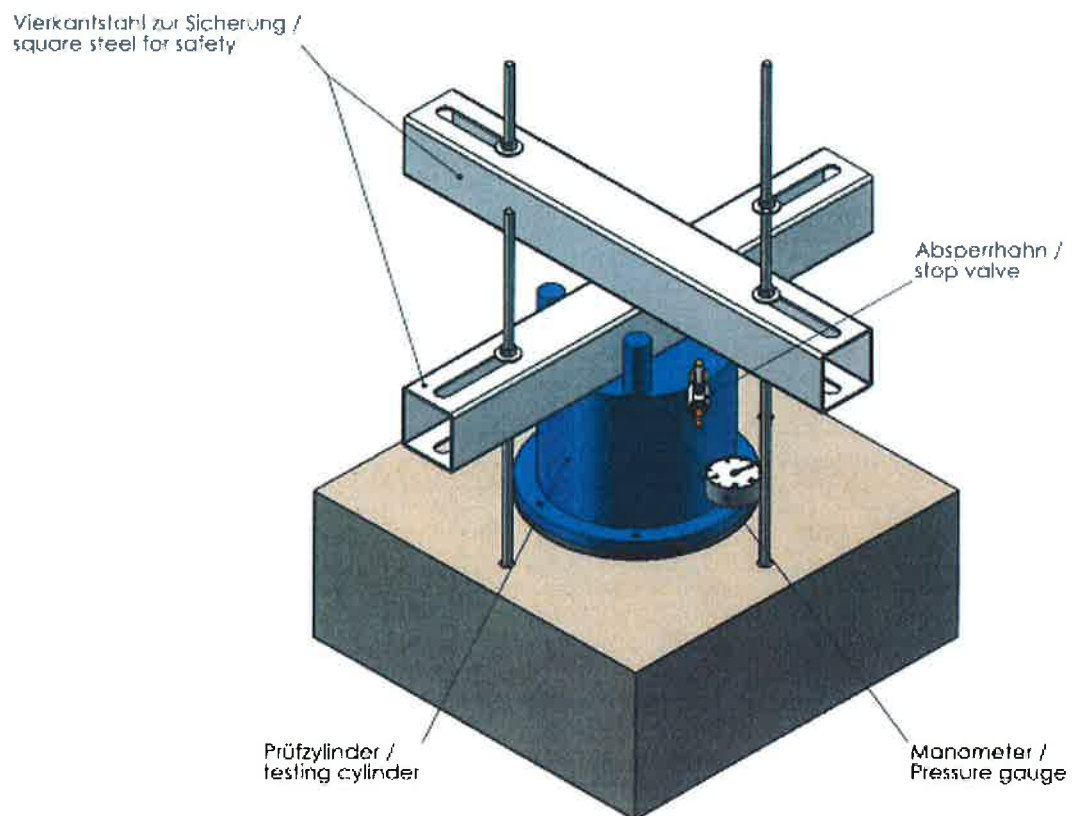


Figure 1: Test setup (drawing by the manufacturer)

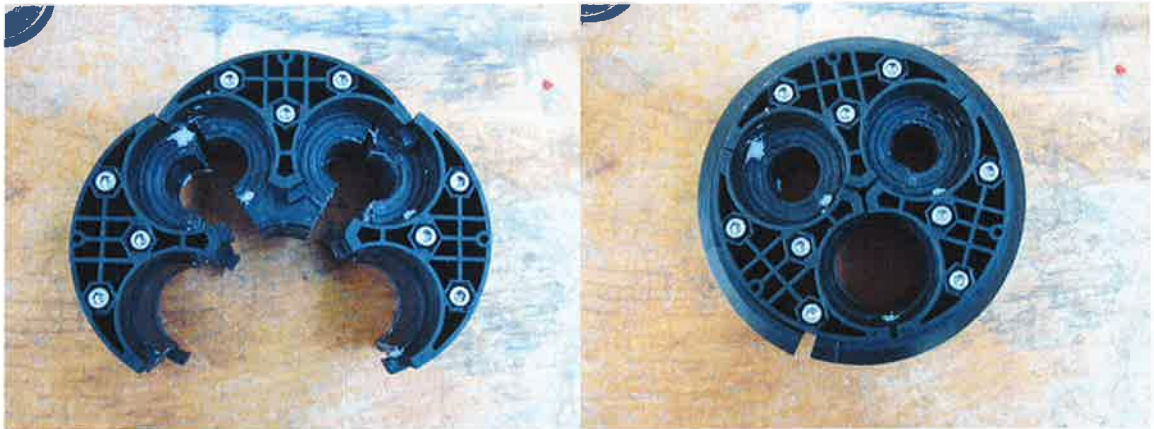


Figure 2: System cover HSI 150-DG-3/24-54



Figure 3: System cover HSI 150-DG-3/24-54 in a packing HIS 150-K



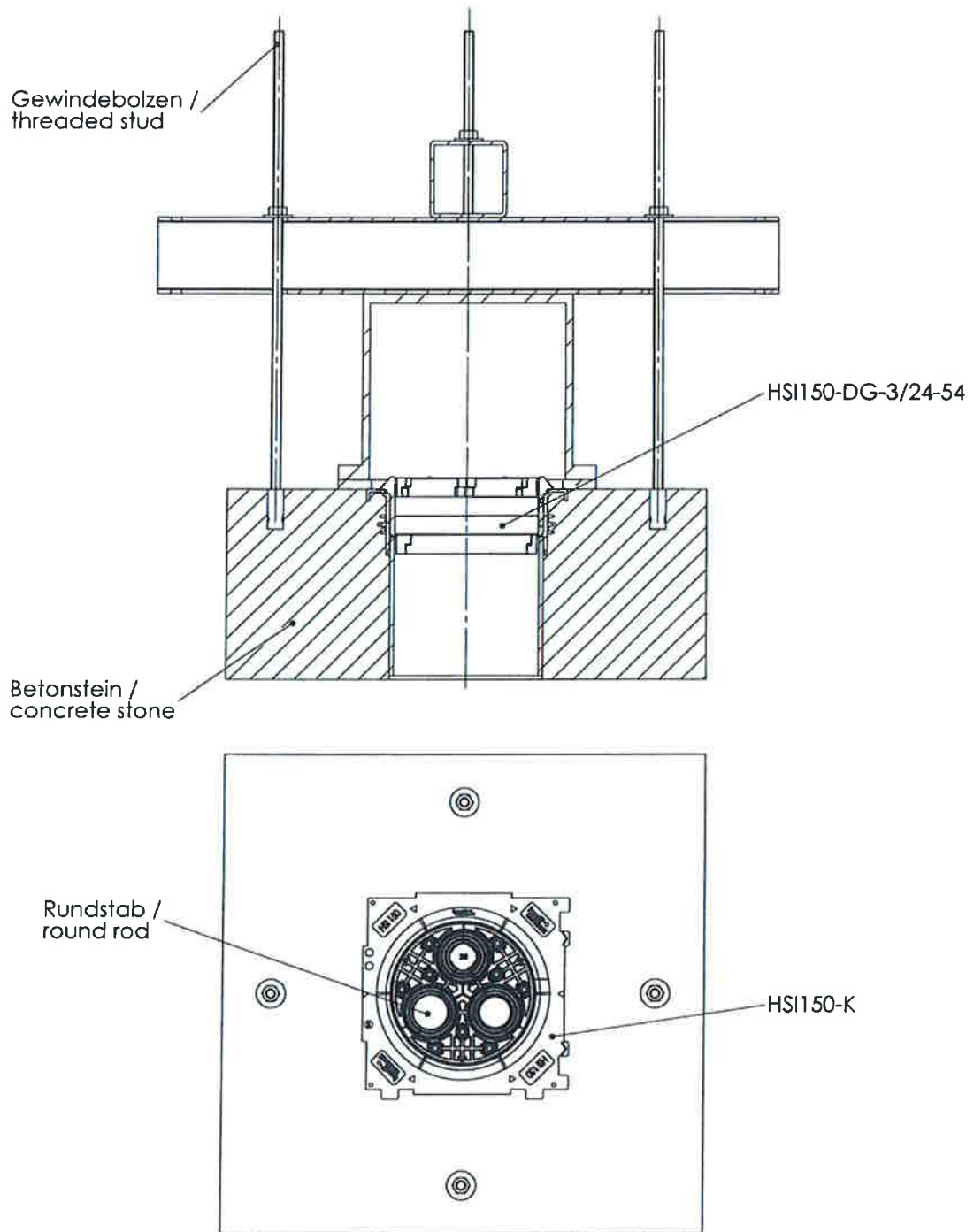


Figure 4: Test Setup (drawing by the manufacturer)



### 3 Test results

Subsequent in Figure 5 the manometer display at the beginning and at the end of the tightness test is shown.

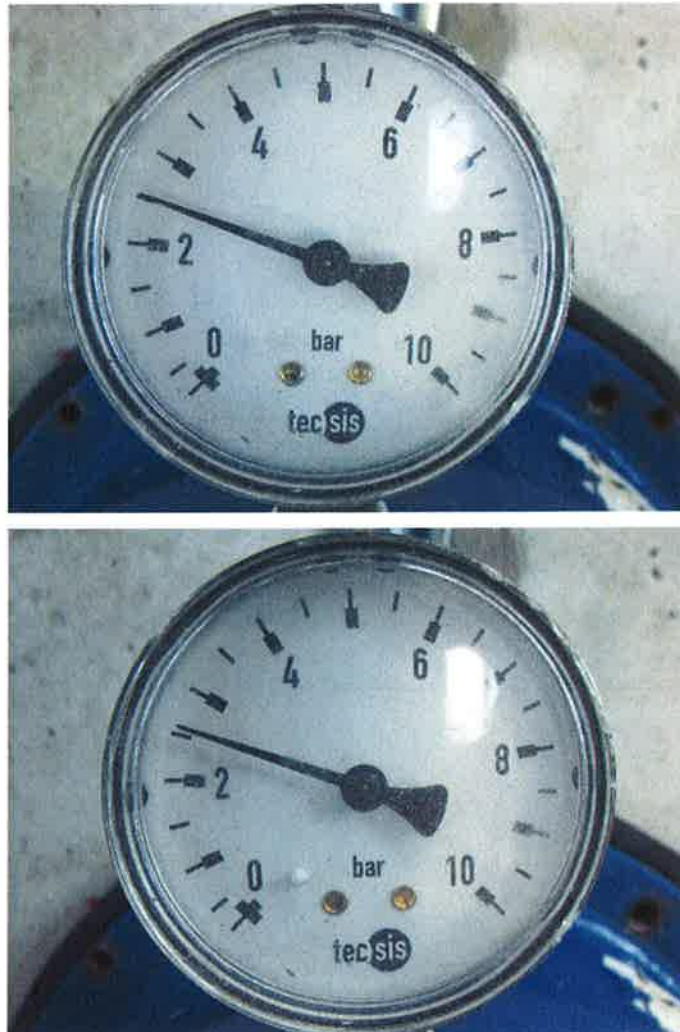


Figure 5: Tightness test with compressed air filled pressure bell at room temperature (above: manometer display at the beginning of the test at 05/30/2012 8:45; below: manometer display at the end of the test at 05/31/2012 8:45)

#### 4 Summary

*During the tightness tests of the system cover HSI 150-DG-3/24-54 at room temperature with compressed air filled pressure bell with nominal pressure of 2.5 bar over the respective test periods of 24 h no defect could be detected.*

Augsburg, June 21<sup>th</sup>, 2012

