

Test Report

Client

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

Order no.

A 9040-2 / 2012

Date of contract : May 25th, 2012

Contract : Testing of the gas tightness of the system cover
HSI 150-DG-6/10-36 for building entries with
compressed air

Delivery of test items : Client

Date of receipt of test items : May 30th, 2012

Testing period : May 30th - 31th, 2012

Augsburg, June 21th, 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-6/10-36 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-6/10-36 is a divided seal insert with inserts for one or several cables for use as a cable lead-through for buildings in an aluminium flange HIS 150-DF 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 system cover HSI 150-DG-6/10-36 was installed in the test member as shown in Figure 1 and Figure 3. The used cover system was assembled with six 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 and Figure 4). 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.

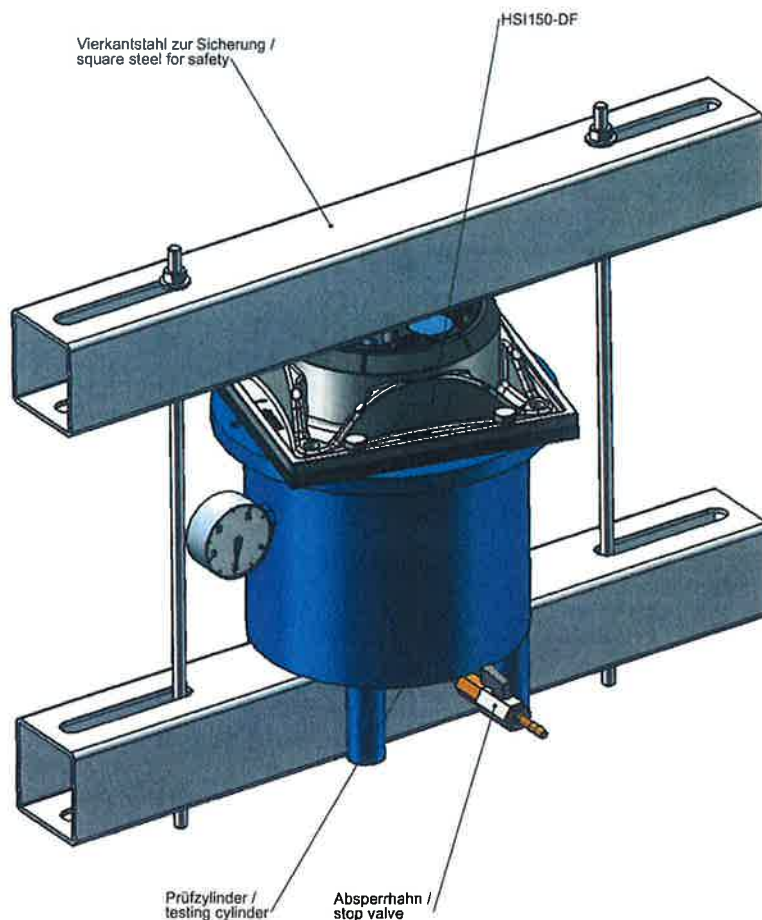


Figure 1: Test setup (drawing by the manufacturer)



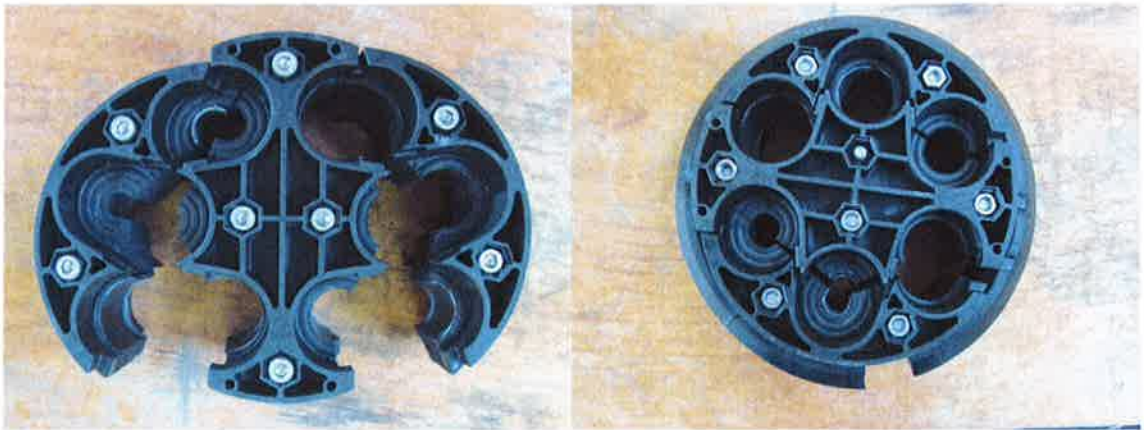


Figure 2: System cover HSI 150-DG-6/10-36

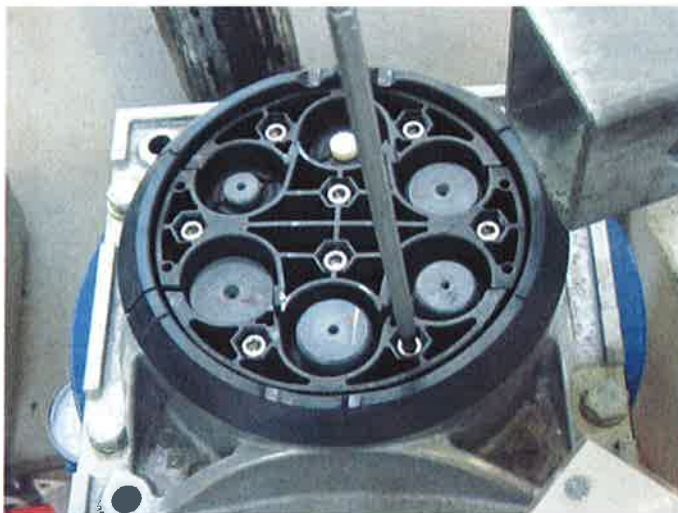


Figure 3: System cover HSI 150-DG-6/10-36 in an aluminium Flange HIS 150-DF



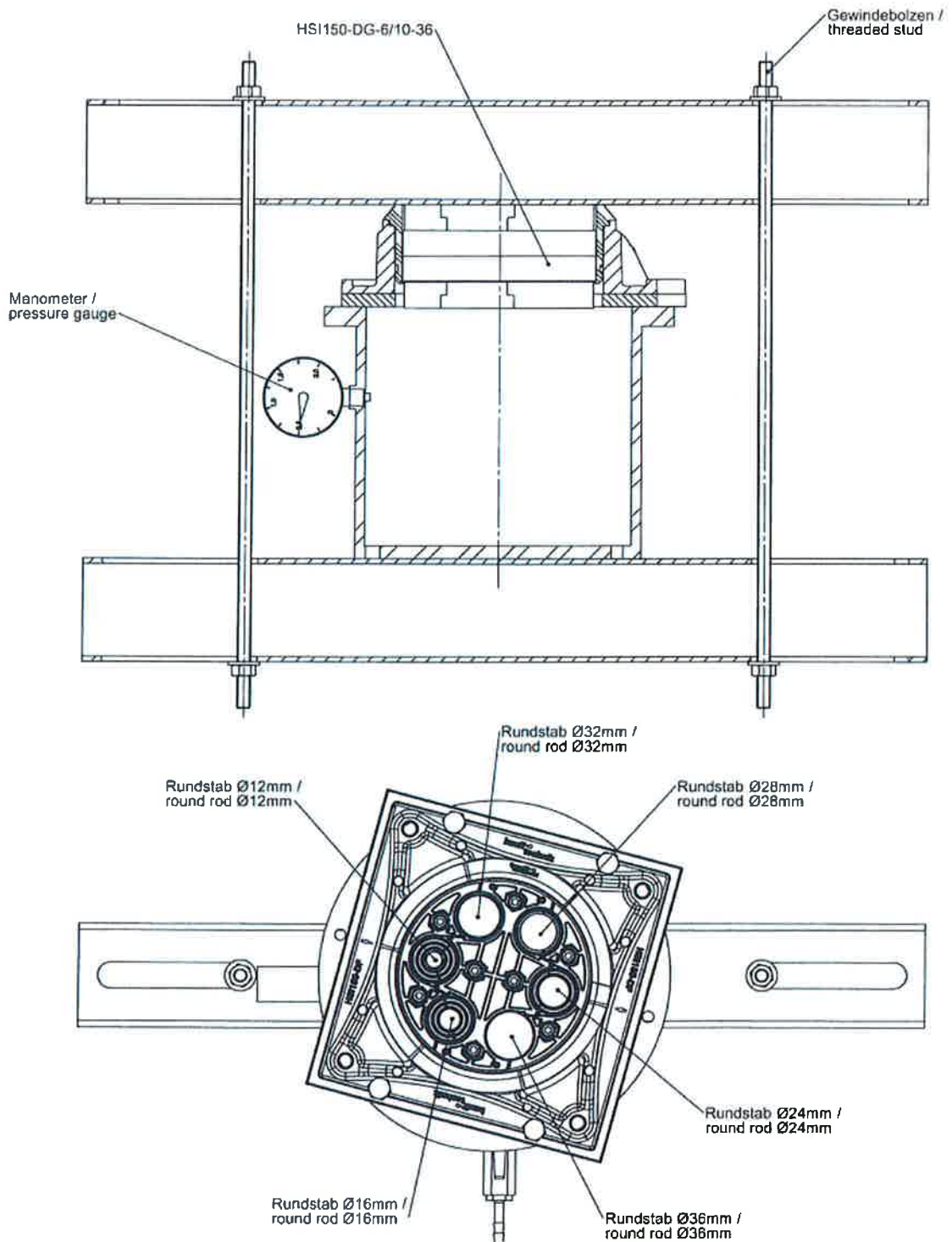


Figure 4: Test Setup (drawing by the manufacturer)



3 Test results

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

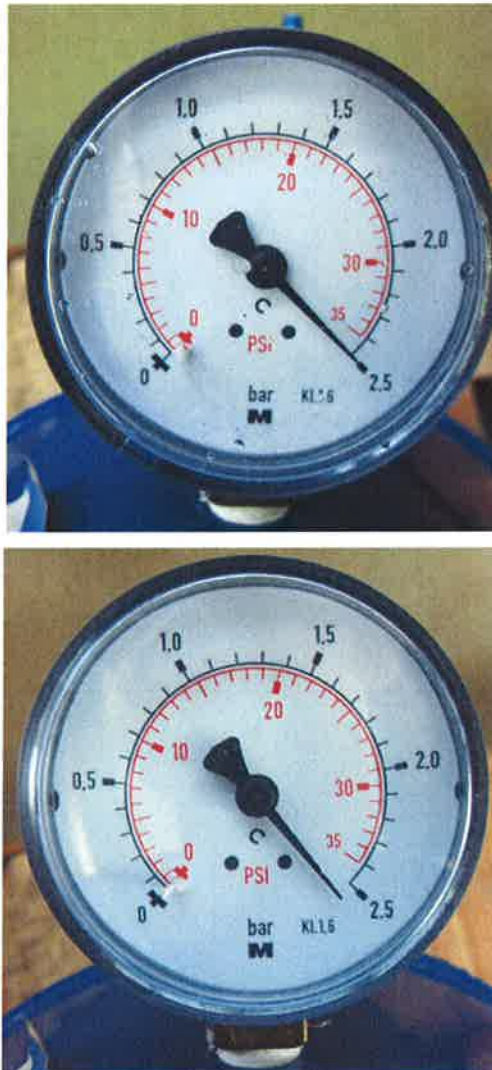


Figure 5: Tightness test with compressed air filled pressure bell at room temperature (above: manometer display at the beginning of the test at 05/30/2012 8:45; below: manometer display at the end of the test at 05/31/2012 8:45)

4 Summary

During the tightness tests of the system cover HSI 150-DG-6/10-36 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 21th, 2012

