

<b>Technical Note</b>			<b>TN-028</b>
<b>Test:</b> Mounting instruction			<b>Test no.:</b> All tests
<b>Assumption:</b> HIU mounting			<b>Assumption no:</b> 65
<b>Rev:</b> 2	<b>Date:</b> 2021-09-19	<b>Author:</b> Christer Frennfelt	<b>Checked:</b> Steffen Cook

The aim of this Technical Note is to describe to test houses how HIU should be mounted, meaning sets requirements for mounting HIU, installation and ventilation effects of back wall.

## 1. Introduction

Present BESA HIU Test Regime describe how HIU should be mounted in section 2.25:

“The HIU shall be mounted with a 20 mm air space behind the unit. The HIU shall be attached to a horizontal batten, at least the width of the HIU. The HIU shall be positioned between 0,8 m and 1,5 m off the floor, with at least 1 m clearance above it”

And in section 2.6 Test rig configuration and preparation:

“The HIU is to be tested in the same orientation (i.e., vertically) as when it is installed in a building”

## 2. Considerations for mounting of HIU <sup>[1]</sup>

Following to be consider:

The HIU is designed for installation in a sheltered environment and therefore it cannot be installed outdoor directly exposed to the weather as it may cause malfunction and hazards.

If it is enclosed inside or between cabinets sufficient space must be provided for maintenance procedures.

Avoid placing electrical device underneath the HIU as it may be damaged in the event of safety relief valve activation or if leakage occurring at the fittings.

Before installation it is recommended to flushing the of all pipe work in order to remove any debris or impurities that could prevent the correct operation of the HIU.

Ensure the wall is structurally suitable for mounting the HIU and using the mounting bracket (or first fix brackets) as a template mark the position of the holes required to secure the HIU to the wall by ensuring the brackets is horizontal. Then hang the HIU onto the wall bracket and secure to the wall using the fixing holes provided.

### **3. Recommendation**

As no new information have been found, the recommendation is to keep the present sections describing how HIU should be mounted in the test house.

### **4. References**

[1] SATK32 Heat Interface Unit – Installation Operation & Maintenance Instruction