

**CERTIFICATION**

Addendum No. 1 to the  
QB Certification Reference  
System:

“Connection  
hoses”



Identification No.: QB 10

Revision No.: No. 13

Addendum No. 1, approved by the CSTB Technical Management on: 20/06/2019

Effective date: 20/11/2018

**Addendum No.1 to the QB Certification Reference System  
“Connection hoses”  
Revision No. 13**

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It was approved by the CSTB Technical Management on 20/06/2019 and will be applied from 20/06/2019.

**MODIFICATIONS BROUGHT ABOUT BY THE ADDENDUM TO THE  
CERTIFICATION REFERENCE SYSTEM “Connection hoses”:**

The modifications are shown in red in this addendum.

<b>Modified Part</b>	<b>Type of modification made</b>
Article § 1.2.	➤ In keeping with revision 01 of Technical Document TD-10 01, addition of two certified characteristics: - cyclic pressure endurance - corrosion resistance
Article § 2.2.	➤ Addition of the reference to Technical Document TD 10 02 rev00 “Pictogram”
Modification of article 2.5.2.3.	➤ Reference to the possibility to use pictograms in accordance with the provisions of TD 10 02



## 1.2 Certification added value

Certification is recognition from a third party that the characteristics are compliant, demonstrating the added value of the connection hoses.

The certified characteristics of the connection hoses application are the following:

<b>Certified characteristics</b>	<b>Domestic distribution (Family A)</b>	<b>Domestic distribution Heating and cooling circuit (Family B)</b>	<b>Heating and cooling circuit (Family C)</b>
Hydrostatic pressure resistance	<b>X</b>	<b>X</b>	<b>X</b>
Water hammer resistance	<b>X</b>	<b>X</b>	
Characteristics of elastomer or synthetic materials	<b>X</b>	<b>X</b>	<b>X</b>
Determination of composition of vulcanizates	<b>X</b>	<b>X</b>	<b>X</b>
Spectrometric analysis of brass fittings	<b>X</b>	<b>X</b>	<b>X</b>
<b>Cyclic pressure endurance</b>	<b>X</b>	<b>X</b>	<b>X</b>
<b>Corrosion resistance</b>	<b>X</b>	<b>X</b>	<b>X</b>

## **2.2. Additional standards and specifications**

In addition to the requirements set out in the previous paragraphs, the products shall comply with the additional specifications laid down in the following documents:

- Technical Document TD10-01: standards (\*) and additional technical requirements,
- **Technical Document TD 10 02: Pictograms**
- Technical Appraisal or any positive assessment of suitability for use.

(\*) For the references that indicate a date of implementation or an index, only the version cited is applicable. For references that do not indicate a date of implementation or index, the most recent version of the reference document applies (including any amendments). The Assessment Committee may rule on the use of a test standard in a version previous to that currently valid. In this case, the version and date on which this standard was published will be specified in the relevant technical document.

### **2.5.2.3 Marking on communication media and documentation (Technical or commercial documents, posters, advertising, websites, etc.)**

The generic use of the QB mark through its reproduction in the holders' correspondence is forbidden, unless the holder has the right to use the QB mark for all of its products.

References to the QB mark in communication material or documentation must be made in a way that does not allow for any confusion between certified products and other products. They shall include all the marking components defined in paragraph 2.5.2: logo of the mark, name of the application, reference to the website and, if possible, the list of certified characteristics.

Additional provisions are set out in §4 of Technical Document 10-01.

For the French market, this information must be provided in French (Law No. 94-665 of 4 August 1994 regarding the use of the French language). If necessary, the information can also be given in one or more other languages.

For the proper interpretation of this paragraph, the holder should be advised to submit to CSTB, in advance, all communication materials and documentation where the certification mark is expected to be used.

**The pictograms defined in TD 10-02: “Connection hoses: Pictograms” are used to optimise visual communication of certified characteristics on all the certificates of the relevant products.**

**The pictograms can only be used in addition to the QB certification mark, in accordance with the conditions defined in Technical Document TD 10-02.**