

# Legal Inspection of Exhaust Pipes for Gas Water Heaters

By the Bureau of Standards, Metrology and Inspection (BSMI), Ministry of Economic Affairs

## Background:

In order to enhance the protection for consumers, the BSMI regulates the inspection requirements for exhaust pipes for gas water heaters. The conformity assessment procedure for all such products will be the Registration of Product Certification or the Type Approved Batch Inspection.

## Date of implementation:

1 July 2018

## Products (HS/CCCN codes) covered and their applicable inspection standards:

Description of Goods	Inspection Standards	Conformity Assessment Procedures	C.C.C. Code (the first 6 digits being the same as HS Code) (for Reference)
Exhaust pipes for gas water heaters (inspection scope: pipes made of stainless steel subject to CNS 15790)	CNS 15790(2015.02)	Registration of Product Certification (Module II and Module III) or Type Approved Batch Inspection	7306.40.00.00-9 7307.21.00.00-1 8307.10.00.00-2

## The conformity assessment procedures for the inspection scheme are as follows:

### 1. Registration of Product Certification (RPC) Scheme (Module II+ III)

Under this procedure, manufacturers must have their products type-tested by the BSMI or designated testing laboratories recognized by the BSMI (Module II) before applying for registration of their products. Manufacturers or importers will also be required to ensure by declaration (Module III) that all products made at their manufacturing facilities are in conformity with the prototypes submitted for type testing in Module II.

Products will be allowed to use the Commodity Inspection Mark, the letter “R” and the identification number given by the BSMI, after they are certified and registered with the BSMI. These products can then pass through customs directly without any further inspection. The application fee and annual fee for RPC are both NT\$5,000 for each type of product, and a RPC certificate is valid for 3 years.

### 2. Procedures for Type Approved Batch Inspection (TABI)

Under this procedure, manufacturers or importers shall have their products type-tested by the BSMI, and file an application for Type Approval to the BSMI or its branches.

After manufacturers or importers have obtained type approval certificates, they are still required to file an application for batch inspection to the BSMI each time before their products arrive at the port of entry. The BSMI will then perform inspection with simplified procedures. Additional samples may be required for further testing as it is deemed necessary. The application fee for a Type Approval is NT\$3,500, and a Type Approval Certificate is valid for 3 years.

The fees for type-testing vary by products and depend on the fee schedule of the testing laboratory.

Further information about the scheme is also available on the BSMI web site at <http://www.bsmi.gov.tw/wSite/ct?xItem=8673&ctNode=811&mp=2>

## Locations to apply for Type Testing:

1. The BSMI or his branch offices.
2. BSMI-designated testing laboratories.

**Locations to apply for Registration of Product Certification and Type-approved Batch Inspection:**

The BSMI or his branch offices.

**Time required for Registration of Product Certification and Type-approved Batch Inspection:**

Fourteen working days. (This period does not include the time for corrective actions by the applicant due to deficiencies in the documents or samples; another 14 working days, upon the arrival of samples, may be required if additional tests are required)

**Related requirements for the inspection procedures:**

1. Either imported or domestic manufactured commodities subject to this proposal shall conform to inspection requirements when this proposal enters into force on 1 July 2018. The applicable conformity assessment schemes are the Registration of Product Certification (RPC) or the Type-approved Batch Inspection (TABI) Scheme.
2. Upon the data of publication of this proposal, the BSMI will accept applications for registration of product or type approval. After the applications have been reviewed and approved by the BSMI, When the BSMI completes the review procedure and approves the application, the product registration certificate(s) or type approval certificate(s) will be issued and valid for 3 years starting from the issue date.
3. "C02" is the import regulation code of the commodities subjected to this proposal.
4. The terms used herein are defined as follows:
  - a. Same type: Refers to commodities with the same exhaust way, steel category, connecting manner of pipes.
  - b. Main type: Refers to one nominal diameter of assembly exhaust pipe selected as the main type among products from the same type at will.
  - c. Series type: Besides the main type, other commodities of the same type are deemed as series type.
    - i. Besides the main type, assembly exhaust pipes with other different nominal diameter are deemed as series type.
    - ii. The individual pipes (including straight pipes, bends, T branches or top hood) from the main type and series type are deemed as series type.
5. Test items are as follows:
  - a. All inspection items: Structure, Material, Shape and scale, Connecting strength between pipes, Connecting strength between top hood and pipe, Tensile strength(for products with pulling resistance design), Gas tightness, Air resistance through top hood, Inflow of rain, and Marking of CNS 15790.
  - b. Major inspection items: Shape and scale, Connecting strength between pipes, Connecting strength between top hood and pipe, and Marking of CNS 15790.
6. The relevant regulations for type-test:
  - a. All inspection items shall be conducted on the main type.

- b. Assembly exhaust pipes of series type shall conduct all inspection items. But, assembly exhaust pipes whose nominal diameter is different from any one in the main type and series type shall conduct major inspection items.
  - c. The assembly exhaust pipes of main type and series type pass the test, and their individual pipes shall not conduct any inspection item.
7. The applicant shall submit the following technical documents and samples according to different main types and series types to the BSMI, his branch offices, and BSMI-designated testing laboratories.
- a. 4 x 6 inch or larger color photographs of the product or the original color catalog.
  - b. Type category list.
  - c. The structure charts and tables of product and his priority parts (including specification and steel category number).
  - d. Declaration of the conformity of material for exhaust pipes for gas water heaters. (for the same manufacturing factory and steel category pipes)
  - e. Location of specimen of commodity inspection mark.
  - f. Specimen of Chinese label and instruction manual.
8. The inspection standards shall be the latest version of standards as of the date this public notice to be adopted. When the applicable standard is revised or amended, the date of applying the revised or amended standard shall be decided and announced by the BSMI.
9. The C.C.C. Codes listed in the table are used for reference only. The commodities whose product name listed in the table but not belong to the C.C.C. Codes for reference after being recognized by the Customs Administration, Ministry of Finance, or Bureau of Foreign Trade, Ministry of Economic Affairs shall still complete the inspection procedures before entering into the market.