

SANITARY APPLIANCES**Technical document 017-14**

Complementary specifications applicable to
equipped flushing cisterns

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MODIFICATION HISTORY

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1 GENERAL SPECIFICATIONS

1.1 EQUIPMENT FOR FLUSHING CISTERNS

Equipment for flushing cisterns:

- drain mechanisms for flushing cisterns,
- filling valves for flushing cisterns shall have the NF mark -Sanitary Components (NF076);
- and the stop valves for flushing cisterns shall have the NF mark -Sanitary Tapware (NF077).

The valve and the drain mechanism shall be fitted and adjusted in the plant.

- If the cistern is fitted with a connection hose, it must have received a favourable technical appraisal and a "CSTBat" or "QB" mark must appear on it.

1.2 FLUSH CISTERNS – SUPPLY HOLE

A waiver request shall be made for cisterns so that a hole corresponding to a ½ supply can be drilled in them.

1.3 "UNIVERSAL CISTERN" DEFINITION

The term "universal close-coupled cistern" is replaced by "close-coupled multi-pan cistern".

1.4 RINSING VOLUME

Nominal rinsing volumes shall comply with:

- §5.8.1 in Standard NF EN 997 for ceramic cisterns;
- §5.2.1 in Standard NF EN 14055 for cisterns made of synthetic material.

Since equipped cisterns are assembled and adjusted by the manufacturer at the factory, no adjustment of the rinsing volume is left to the user, except:

- for cisterns made of synthetic materials which are certified for multiple volumes, and only if an operating procedure is provided,
- for all cisterns when the instructions include an adjustment for maintenance at the certified flush volume.

It is acceptable to have multiple water level marks in an equipped flushing cistern, as long as the certified volume(s) is/are clearly identified with no possible ambiguity (e.g. an NF logo near the mark for the certified volume).

When the flush volume set at the factory does not coincide with the mark in the cistern, it is not necessary to change the mark if the flush volume measured at that mark is included within the tolerances of Standard NF EN 997.

2 PARTICULAR SPECIFICATIONS APPLICABLE TO CISTERNS MADE OF SYNTHETIC MATERIALS

2.1 BUILT-IN CISTERNS – SUPPORT FRAME (NF D12-208) – FLOW MEASUREMENT

When the frame height is adjustable, the flow test must be performed for the lowest position and the highest position. The associated flush tube must therefore be dimensioned for each position.

2.2 TEST OF RESISTANCE TO CHEMICALS AND STAINS

The reference document applicable to push plates and equipped cistern assemblies is Standard NF EN 263.

Specification: no permanent stain. If there is a stain, check the sample once after 48h and consider the result to be satisfactory if the stain has disappeared.

2.3 COLOUR FASTNESS UNDER LIGHT

The exposure method is defined in NF EN ISO 4892-2 with the following criteria:

Method B – 50% RH; 250 hours

Temperature with standard black thermometer: 65°C;

Lighting with energy 0.5 GJ/m², within the wavelength range from 290 nm to 800 nm;

Specification: index ≥ 3 (colour degradation according to NF EN 20105-A02).

2.4 4 L AND 5 L EQUIPPED FLUSHING CISTERNS

WC pans that work with a volume of less than 6 L are no longer allowed by Standard DTU 60.1 P1-1-3 without a preliminary study of the installation; consequently, 4 L and 5 L equipped flushing cisterns cannot be NF certified.