



No: Smartpipe-1/20230531

### **Technical Performance Declaration**

Based on Hungarian government decree 275/2013. (VII.16.)

#### **1. Designation of product type:**

Smartpipe Water 1/2", 3/4", 1" on-site flangeable, stainless steel flexible pipe system (pipe, nut, washer)

#### **Materials used:**

Pipe: MSZ EN 10088-1 1.4301 stainless steel

Nut: Nickel-plated brass

Washer: Temasil NG

#### **Identification of the product:**

Text on the pipe: SMARTPIPE WATER DN12, DN13, DN16, DN20

Nuts and washers: 10 pcs of SMARTPIPE WATER nut and washer in individually labeled packages

#### **2. The purpose the construction product as determined by the manufacturer on the basis of Hungarian NMÉ:**

Drinking water systems: max.30 °C-15 bar (system 1+)

Heating systems: 90 °C-6 bar (system 4)

Solar-powered systems: 150 °C-6 bar (system 4)

Cooling systems: 30 °C-6 bar (system 4)

#### **3. Name of the manufacturer, registered trade name, trade mark and address:**

Smartpipe Kft

Registered office: 4064 Nagyhegyes, Csokonai u.16/A

Address: 4064 Nagyhegyes, Jókai u.10.

#### **4. System for assessing and monitoring constancy of performance:**

**System (1+) and system (4)**

#### **5. Name of the organisation carrying out the technical assessment (system 1+ and 4):**

ÉMI Építésügyi Minőségellenőrző Innovációs Nonprofit Kft.,

H-2000 Szentendre, Dózsa György út 26. Hungary

Number and Date of the issued National Technical Assessment: A-251/2015 / (2021.03.03.)

#### **6. Name of the designated certification body (system 1+):**

ÉMI Építésügyi Minőségellenőrző Innovációs Nonprofit Kft.,

H-2000 Szentendre, Dózsa György út 26. Hungary

Product Performance Constancy Certificate ID:

Performance Constancy Certificate: 20-CPR-252-(C-104/2015)

**7. Performance(s) according to the declaration:**

Basic traits	Wattage	Technical specification
Thread sizes	Meets with the requirements of MSZ EN 1254-4:1999; 4.3	Registration number: A-251/2015. NMÉ
Leakage test	Meets with the requirements of MSZ EN 1254-3:1999 (no leakage, 15 bar, 23°C, 1 minute)	
Nuts designs	Meets with the requirements of MSZ EN 1254-3:1999; 4.4.6	
Resistance to constant longitudinal force	NPD*	
Compactness of fittings subjected to bending	NPD*	
Compactness of fittings subjected to axial load	NPD*	
Minimum bending radius	Meets with the requirements of MSZ EN ISO 15465:2004; 7.3	
Internal pressure resistance	NPD*	
Resistance to cyclic temperature changes	Meets with the requirements of MSZ EN 12293:2000 (20°C; 93°C; 9,7 bar, 500 periods)	
Resistance to cyclic pressure changes	Meets with the requirements of MSZ EN 12295:2000 (0,5 bar; 15 bar; 23°C; 1000 periods)	
Compactness under vacuum	Meets with the requirements of MSZ EN 12294:2000 (no leakage, -0,8 bar; 1 hour, 23°C)	
Fire Protection: -metallic components -non-metallic components (gasket)	A1 NPD*	
Effects on drinking water intended for human consumption	Meets with the requirements of Hungarian government decree 201/2001 (X.25)	

NPD\* - No Performance Determined

The technical performance of the product specified in points 1 and 2 shall correspond to the declared performance indicated in point 7.

The manufacturer specified in point 3 is solely responsible for issuing the Declaration of performance.

Person signing on behalf of the manufacturer: Zsolt Fekete

Nagyhegyes, 31 May 2023

**Smartpipe Kft.**  
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*Zsolt Fekete*  
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