

**1. Name and trade name of building product:**

System KAN-therm manifolds and mixing units

2. Designation type of building product:

Brass CW617N 1" profile manifolds

Stainless steel 1.4301 1" and 1 1/4" profile manifolds

Carbon steel 1" and 1 1/4" profile manifolds

Modular manifolds

Polymer manifolds

Mixing units with pump

3. Intended use or uses:

All manifolds covered by this document are intended for distributing the heating/cooling medium to individual sections in surface heating and cooling systems, radiator heating systems, and chilled water systems, while pump-mixing units are intended for use in surface heating and cooling systems, radiator heating systems, and chilled water systems.

KAN-therm system manifolds and KAN-therm system pump-mixing units are made of corrosion-resistant steel, grade 1.4301 according to the PN-EN 10088-1:2024 standard, or brass, grade CW617N according to the PN-EN 12164:2016 standard, as well as KAN-therm system modular manifolds made of brass, grade CW617N according to the PN-EN 12164:2016 standard, meet hygiene requirements and can be used with water intended for human consumption in accordance with the Hygienic Certificate. The products covered by this National Technical Assessment may be used in installations where the medium is water (100%) or a mixture of water and glycol (up to 50% concentration).

4. Name and address of the producer and place of manufacture:

KAN Sp. z o.o.

Zdrojowa 51 PL-16-001 Białystok-Kleosin

Poland

www.kan-therm.com e-mail: kan@kan-therm.com

5. Name and address of the authorized representative:

Not applicable

6. National system used for assessment and verification of performance constancy:

System 3

7. National technical specification:**7a. Polish product standard:**

Not applicable

7b. National technical assessment:

National Technical Assessment ITB-KOT- 2018/0502 edition 3 – Manifolds, modular manifolds and pump-mixing units of the KAN-therm System.

ITB Warsaw accreditation PCA No. AC 020, notification: 1488

**National Declaration of Performance****No.: 70/KAN-DWU/26E**

System KAN-therm
Manifolds, modular manifolds and pump-mixing units

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8. Declared performance:

Essential characteristics of the construction product for the intended use or uses	Declared performance	Remarks
Geometrical features	Compatible	
Tightness and strength of connections in conditions of variable pressure	No deformation or leaks	
Tightness and strength of connections in conditions of variable temperature	No deformation or leaks	
Tightness and strength of connections in permissible operating conditions	No deformation or leaks	
Tensile strength of plastic threads at break, expressed in torque [Nm]	≥ 40	
Hydraulic characteristics, Kv factor, [m ³ /h] (applies to manifolds with valves for underfloor heating)	As shown in nomograms (A58 - A61)	
Pump resistance to burst pressure not less than 20 bar	No damage	
Operational parameters:		
• Manifolds without flowmeters	Tmax - 90° C; Pmax – 1MPa	
• Manifolds with flowmeters and mixing units with pump	Tmax - 70° C; Pmax – 0,6MPa	
• Polymer manifolds with hole spacing of 65 mm and with flow meters	Tmax - 60° C; Pmax – 0,3MPa	
Impact on drinking water	Allowed for contact with drinking water - brass and stainless-steel manifolds only. Hygienic approval PZH: Brass: B.BK.60110.0719.2025, INOX: B.BK.60110.0194.2024 PCA Accreditation No AB 509	

9. The performance of the product described above is in accordance with all the declared performance characteristics mentioned in point 8. This national declaration of performance is issued in accordance with the Act of 16 April 2004 regarding construction products, under the sole responsibility of the manufacturer.

On behalf of manufacturer signed by:

Head of Quality Control Department

Kleosin – 09.02.2026
(place – date of issue)

Janusz Żukowski
(signature)