

	National Declaration of Performance	Number: 70/KAN-DWU/22E
	System KAN-therm Manifolds and pump groups	Page 1 of 2

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 ¼" profile manifolds
 Carbon steel 1.0023 1" and 1 ¼" profile manifolds
 Polymer manifolds
 Mixing units with pump

3. Intended use or uses:

For use in indoor installations of cold and hot utility water, drinking water, radiator and surface central heating, cooling installations using water or glycol water solutions on condition stated in KAN-therm System catalogue and guidance or given by KAN Technical Department.

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 and 4

7. National technical specification:

7a. Polish product standard:

Not applicable

7b. National technical assessment:

National Technical Assessment ITB-KOT- 2018/0502 edition 1 – System KAN-therm Manifolds and pump groups. ITB Warsaw accreditation PCA No. AC 020, notification: 1488

**8. Declared performance:**

Essential characteristics of the construction product for the intended use or uses	Declared performance	Remarks
Geometrical features	According to PN-ISO 228-1:2005 tab.1-5 + appendix A; PN-EN 10266-1:2006 and PN-ISO 724:1995	p.3.2.1
Tightness and strength of connections in conditions of variable pressure	No deformation or leaks	PN-EN 12295:2002 p.3.2.2
Tightness and strength of connections in conditions of variable temperature	No deformation or leaks	p.3.2.3
Tightness and strength of connections in permissible operating conditions	No deformation or leaks	p.3.2.4
Tensile strength of plastic threads at break, expressed in torque [Nm]	≥ 40	p.3.2.5
Hydraulic characteristics, Kv factor, [m ³ /h] (applies to manifolds with valves for underfloor heating)	As shown in nomograms (A28 - A32 and A51 - A60) $\pm 10\%$	PN-EN 1074-5:2002
Pump resistance to burst pressure not less than 20 bar	No damage	PN-EN 12293:2002 p.3.2.5
Operational parameters:		
• Manifolds without flowmeters	Tmax - 90° C; Pmax – 1MPa	
• Manifolds with flowmeters	Tmax - 70° C; Pmax – 0,6MPa	
• Polymer manifolds	Tmax - 60° C; Pmax – 0,3MPa	
Impact on drinking water	Allowed for contact with drinking water (brass and stainless manifolds)	Hygienic approval PZH B.BK.60110.0861.2022 B-BK-60210-0453/21 Accreditation No AB 509

9. The performance of the product described above is in accordance with all of 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 – 22.06.2022
(place – date of issue)Janusz Żukowski
(signature)