Quantrax **Industrial, Trading and Servicing Ltd.**

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Hungary

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DECLARATION OF PERFORMANCE

Manufacturer: Quantrax Kft., H-6726 Szeged, Thököly utca 45., Hungary

Product type: COMPUTHERM® heating manifold and fittings

Registered trademark of the product: COMPUTHERM®

Intended use of the product: To enable heating networks to be divided into zones and sections, isolated, shut off, hydraulically balanced, vented, drained and monitored for temperature, as well as to allow the connection of associated fittings.

Individual identification codes of the product fittings:

- **MF01 – 1" heating return manifold with integrated valves:** 3, 4, 5, 6 or 8 branches; branch connection size: 3/4"; actuator connection size: M30 x 1.5 mm; material: brass (natural or nickel-plated finish).
- **MF02 – 1" heating supply manifold with integrated valves:** 3, 4, 5, 6 or 8 branches; branch connection size: 3/4"; material: brass (natural or nickel-plated finish).
- **MF03 – 1" heating supply manifold with flow meters:** 3, 4, 5, 6 or 8 branches; branch connection size: 3/4"; material: brass (natural or nickel-plated finish).
- **MF04 – Combined connection fitting for DN25 pump:** Supplied as a pair with thermometers, immersion pockets and non-return valve; size: 1"; pump union connection size: 1 1/2"; material: nickel-plated brass.
- **MF05 – Manifold end fitting:** Size: 1" x 1/2" x 1/2"; material: brass (natural or nickel-plated finish).
- **MF06 – Male-to-male connector:** Size: 1"; material: brass (natural or nickel-plated finish).
- **MF07 – Compression pipe connector:** For Ø16 mm and Ø20 mm plastic pipes; material: brass (natural or nickel-plated finish).
- **MF08 – Manifold mounting bracket:** Supplied as a pair; material: galvanized steel.
- **MF09 – Automatic air vent:** Size: 1/2"; material: plastic and brass (natural or nickel-plated finish).
- **MF10 – Heating system drain valve:** Size: 1/2"; with red or blue operating lever; material: brass (natural or nickel-plated finish).
- **MF11 – Thermometer:** Connection: 1/4"; measuring range: 20–80 °C.

Description of the intended use of the product:

The MF01–MF11 manifold and fittings are suitable for use in heating systems of residential and industrial buildings. The manifold and fittings may be used up to the following operating parameters:

- radiator heating systems: 90 °C – 6 bar
- underfloor heating systems: 60 °C – 6 bar
- MF11 thermometer: measuring range 20–80 °C

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Essential product characteristics, performance and assessment methods:

Fire safety

Essential characteristic	Performance	Assessment method
Reaction to fire class (metal components)	A1	MSZ EN 13501-1:2007+A1:2010
Reaction to fire class (other components)	F	MSZ EN 13501-1:2007+A1:2010

Mechanical resistance and stability: ----

Hygiene, health and environmental protection: ----

Safety and accessibility in use

Essential characteristic	Performance	Assessment method
Manifold and fittings – hydraulic resistance	NPD*	MSZ EN 1267:2012
Manifold and fittings – leak-tightness	leak-tight, 1.5 x PN, 60 s	MSZ EN 1254-3:1999; 4.5.1
Manifold and fittings – shut-off tightness	tight shut-off	MSZ EN 1254-3:1999; 4.5.1
Leak-tightness of fitting subjected to axial load	NPD*	MSZ EN 1254-3:1999; 5.3; MSZ EN 911:1997
Air valve – leak-tightness	leak-tight	MSZ EN 1074-4:2000; 5.1.1
Air valve – functional performance	meets the requirements of Section 5.3 of MSZ EN 1074-4:2000	MSZ EN 1074-4:2000; 5.3

Protection against noise: ----

Energy saving and heat retention: ----

Sustainable use of natural resources: ----

Manufacturer's declaration

Quantrax Kft., as the manufacturer of the product, declares that the product identification data and performance characteristics specified above have been stated on the basis of the technical documentation available to the manufacturer.

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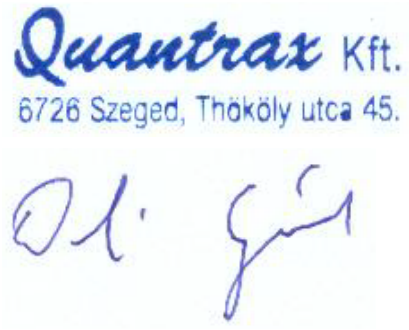

Dobó Gábor
Managing Director