



June 2017

## Highlights of Infloor Stainless Steel Manifolds

Below are some of the benefits of using Infloor Stainless Steel Manifolds:

### High Resistance to Corrosion

Absence of internal stresses due to cold processing (no stress corrosion cracking). Metallic continuity with the other components, in the event of next generation radiating systems (absence of electrolytic corrosion).

### Extreme Lightness

Up to 50% lighter than a brass manifold of the same size.

### High Flow Rate Levels

Up to 50% higher compared to compact manifolds made of composite material. Up to 20% higher compared to brass manifolds.

### Good For High and Low Temperature Systems

Suitable for under-floor radiant heating systems and radiator systems.

### High Mechanical Strength

AISI 304L steel features a tensile strength of 520 N/mm<sup>2</sup> - while CW614N brass (used for manifolds) features a tensile strength of 430 N/mm<sup>2</sup>.

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*In The Loop* is a publication for customers, distributors, contractors, and friends of Infloor Heating Systems; a division of Infloor Sales & Service, Buena Vista, CO. [www.infloor.com](http://www.infloor.com).

## Infloor Expands Product Line with Stainless Steel Manifolds

The evolution of the Infloor product line is now, with the addition of pre-assembled stainless steel manifolds. The high-quality, extremely efficient, and easy-to-install manifolds are a great compliment to the family of Infloor components. And you are going to love the features and benefits!

"We are thrilled to welcome this first-rate addition to our product line, which seems to be a preferred component across the country by contractors," said Infloor President Michael Willburn. **"The completely assembled stainless steel manifolds** are crafted in Italy, known for taking great pride in

## Infloor Registered Trademarks Make International News

We recently found our name in an international publication from Germany. The news about Infloor Heating Systems and InfloorPERT being granted the status as Registered Trademarks in the United States made its way to Germany where KWD-globalpipe shared the story.

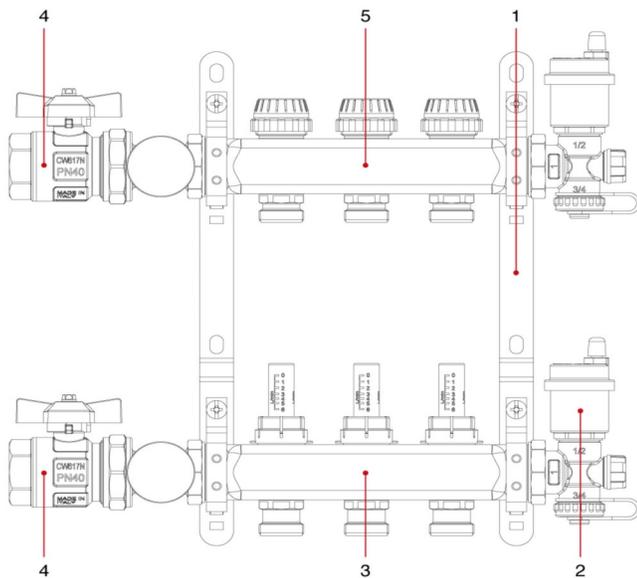
KWD-globalpipe, an international weekly newsletter with news about products, companies and materials in the field of plastic pipes and fittings, published by HIX Publishing. The publishing house began in 1986 when Winfried Hamich (1938 – 2009) set up



an information service with the aim of collecting and supplying market data about plastic material in buildings. Today HIX Publishing issues various newsletters and market reports regularly. Learn more by visiting their website at [www.globalpipe.de](http://www.globalpipe.de).

**KWD globalpipe**

# Infloor Expands Product Line with Stainless Steel Manifolds



POS.	DESCRIPTION	N.	MATERIAL
1	Mounting brackets	1	Steel P11
2	Automatic air vent group	2	Nickel-plated brass CW617N
3	Single manifold with flow-meters	1	Stainless steel AISI 304L
4	Kit form manifolds	1	Nickel-plated brass CW617N
5	Single manifold with shut-off valves	1	Stainless steel AISI 304L

quality, and comes with the mounting brackets already attached, and a built-in integrated flow meter to further reduce your costs."

Infloor pre-assembled Stainless Steel manifolds are used to distribute heat-transfer fluid throughout a hydronic radiant heating system. They can be used in traditional radiator systems, and innovative under-floor radiant systems. Made of stainless steel, they are particularly suitable for heating systems, allowing all of the project parameters to be controlled, providing the perfect balance of each outlet. This avoids any unnecessary waste and ensures an elevated level of thermal comfort.

In the complete version, the manifolds are equipped with flow rate regulation valves (flow meters), with preset cut-off valves set up for electro-thermal actuator-control and with drain and air vent units.

"**Thermal Actuators are an excellent addition to the manifolds**, providing individual loop control, allowing you to control multiple zones from one manifold," said Michael.

Thanks to their increased cross-section, the bars that comprise the flow and return manifolds allow elevated flow rate values to be obtained. If necessary, a differential bypass can be installed between the flow and return manifolds: this reduces any overpressure in the circuits to a minimum, protecting the service life of all of the parts and avoiding bothersome noises in the rooms where the heating system is installed.

Infloor stainless steel manifolds, available with 1" main connections, can be housed in 3.5" deep metal cabinet. This provides an extremely significant advantage: the cabinets have a similar depth that can be positioned not only in the perimeter walls of the building, but also in the inside dividing walls. This translates into maximum freedom of choice for designers and installation technicians.

"They also come with the temperature gauge already included on the supply and return lines; no longer an additional option," Michael. "The benefit of having them tells you the differential temperatures across the manifold, to ensure you are getting a good flow rate and temp drop. For example, if the temperature goes out at 120°F and returns at 100°F, it shows there is a 20°F delta-t, which means the floor is absorbing that much heat."

"**We continue to strive to be more competitive in the marketplace,**" said Michael, "**and continue to expand our high-quality product line to further benefit our customers,**" he concluded.

Contact us to learn more and to place your order for this great product! [www.infloor.com](http://www.infloor.com)



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