

# HERZ stainless steel distributor

for surface heating, surface cooling and radiator connection

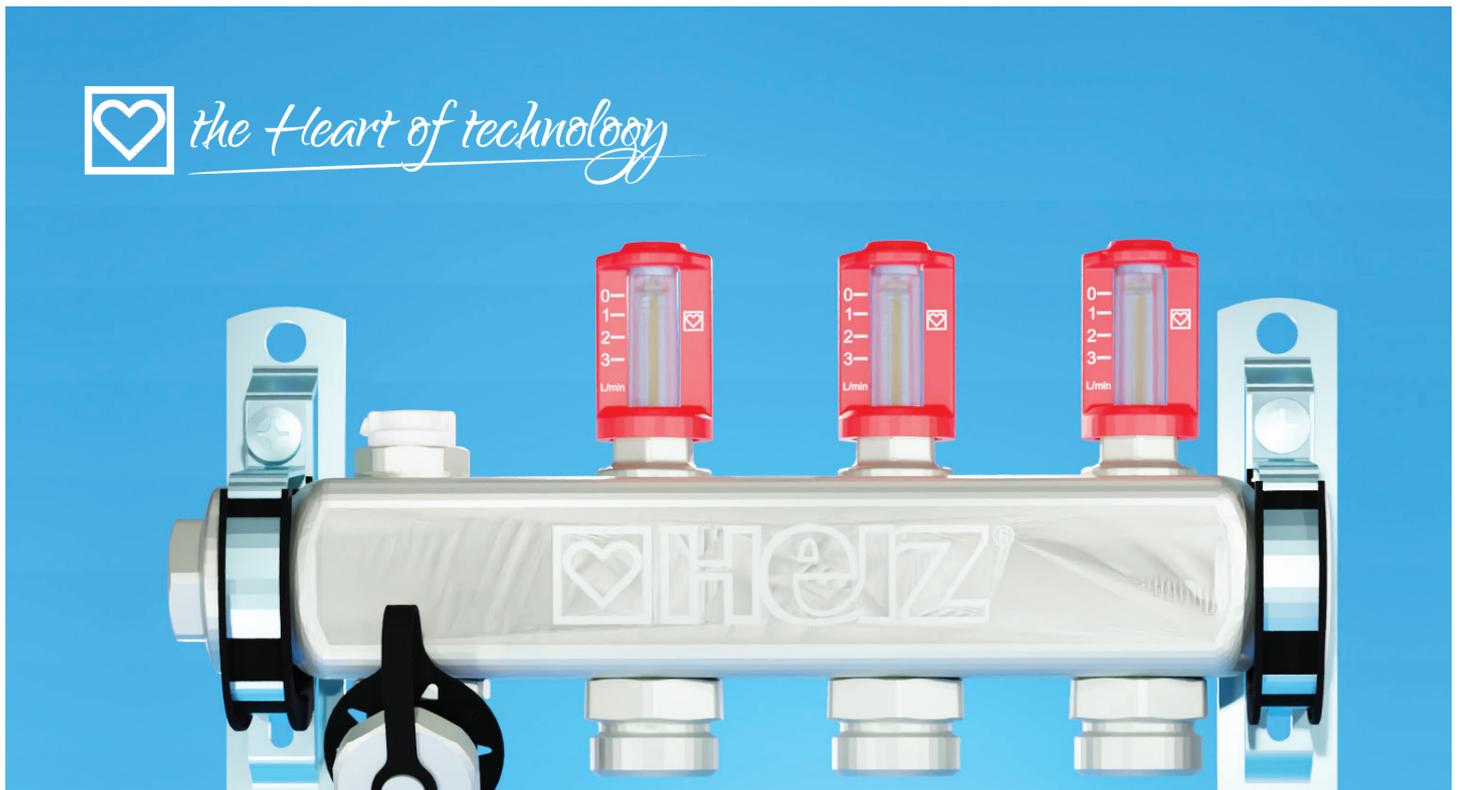


## HERZ stainless steel distributor

### ☑ Overview

The HERZ stainless steel distributor was specially designed for the requirements of modern surface heating and cooling systems. The HERZ stainless steel manifold is ideally suited for both new construction and modernization projects. HERZ flow meters in the versions up to 3 l/min and up to 6 l/min ensure excellent controllability in connection with the HERZ thermostatic valves. In combination with HERZ room temperature controls, optimum comfort is achieved for the customers assured.

A seamlessly drawn stainless steel special profile, which is precisely processed with the most modern equipment, guarantees the highest functionality and quality. Depending on the connection configuration, the operating pressure and temperature can be up to 10 bar and 110 °C respectively.



With the HERZ flow meter versions, the pressure & temperature limits are 6 bar / 70 °C. Optional left or right connection with 1" IG and the inclusion of vent valves and fill and drain cocks is standard. Due to the low installation height of 66 mm, the HERZ stainless steel distributor is ideally suited for installation in drywall applications.

### ☑ Benefits

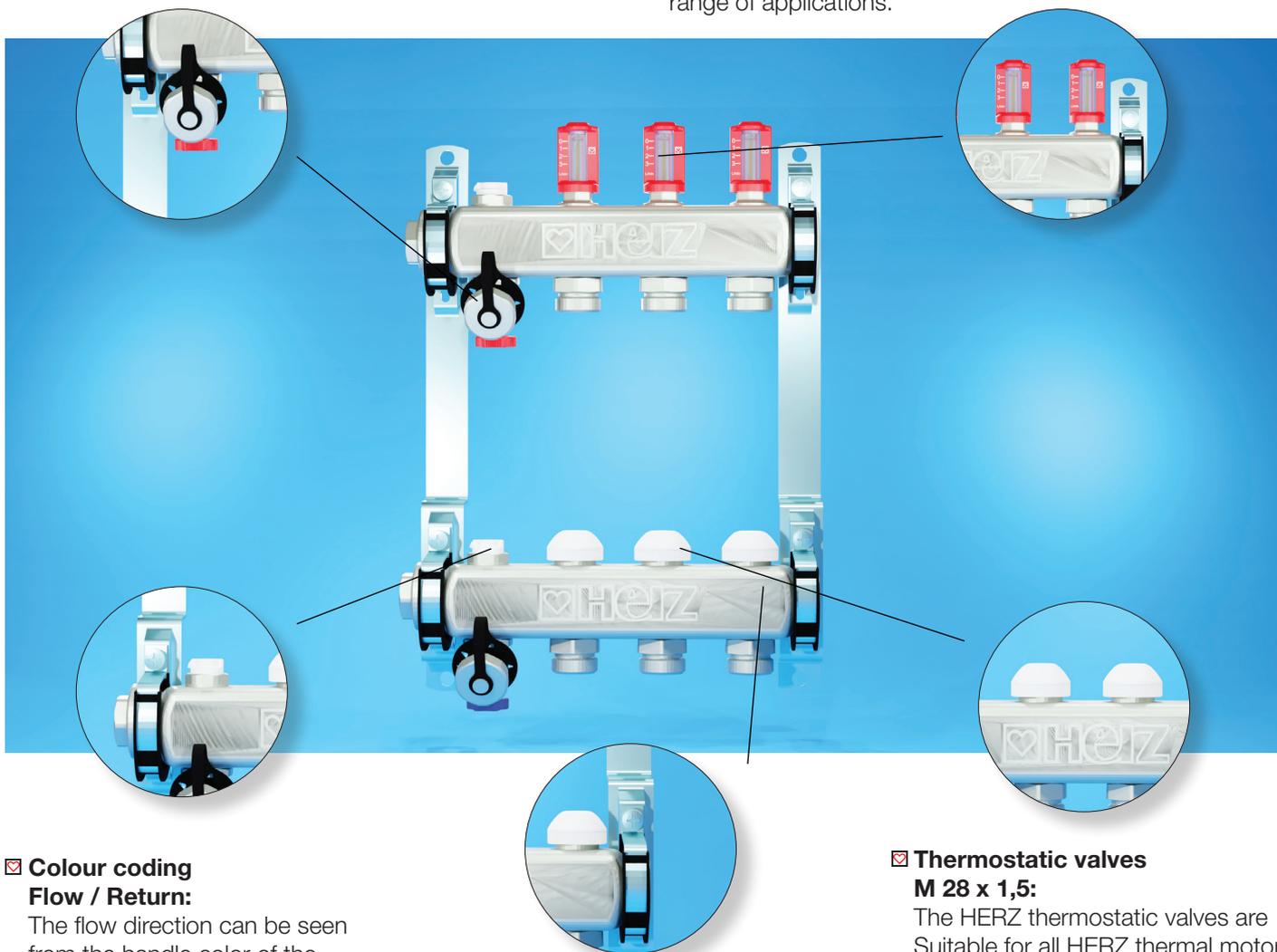
- ☑ Can be used at high pressure, high and low temperatures and high flow rates
- ☑ Easy installation and high user-friendliness
- ☑ With integrated air vent and drain valve
- ☑ Designed for 3 to 12 heating circuits
- ☑ Reliable construction and long lifespan
- ☑ Compatible with other HERZ products
- ☑ Completely developed and manufactured by HERZ
- ☑ Continuous quality control



## ☑ Components

☑ **Drain valve:** A ventilation, filling and draining valve with connection thread G 3/4" is provided on the flow and return manifold. It can be supplemented with the HERZ hose connection 1 **6206** 01.

☑ **HERZ flow meter:** Heat-resistant and cold-resistant plastic in combination with dezincification-resistant brass enable maximum lifespan. Double O-ring seals and an indirect display area ensure long-term functionality. The flow meter can be adjusted and read without the need of tools and is extremely customer-friendly. Two design variants, up to 3 l/min and up to 6 l/min, result in a wide range of applications.



### ☑ Colour coding

#### Flow / Return:

The flow direction can be seen from the handle color of the drain valve (red: flow, blue: return). The flow meters are always in the flow. In the 0-3 l/min version the setting and scale handles are red, on the 0-6 l/min version they are grey.

### ☑ Brackets:

The manifolds can be mounted directly on a wall or in a distribution cabinet using the brackets supplied with integrated sound insulation inserts. The manifolds can be installed so that the connection to supply pipes can be either from the left or from the right.

### ☑ Thermostatic valves

#### M 28 x 1,5:

The HERZ thermostatic valves are suitable for all HERZ thermal motors (**7708** and **7711**).

Valves and flow meters are not shut-off devices. Unused or unfilled heating circuits must be sealed with a sealing cap.

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## Application areas

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HERZ stainless steel manifolds can be used for underfloor, wall and ceiling heating and cooling systems as well as in combination with radiators. In the product variant with thermostatic valves, individual heating circuits can be switched off and regulated individually, and the flow rate can be set specifically. The manifolds are closed on one side with an end module. The distributor inlet is an internal thread G 1" - this enables a connection with threaded pipes or with an adapter for the HERZ PIPEFIX system. We recommend using HERZ ball valves. A dynamic control set is recommended for automatic hydraulic balancing of the distributor.

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## Materials and construction

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<input checked="" type="checkbox"/> Manifold:	Stainless steel
<input checked="" type="checkbox"/> Shut-off valves:	Brass, EN 12164
<input checked="" type="checkbox"/> Thermostatic valves:	Brass, EN 12164
<input checked="" type="checkbox"/> Brackets:	EPDM
<input checked="" type="checkbox"/> Caps:	Plastic PP
<input checked="" type="checkbox"/> Springs:	Stainless steel
<input checked="" type="checkbox"/> Female thread connection:	G 1" according to ISO 228-1
<input checked="" type="checkbox"/> Male thread connection:	G ¾" according to ISO 228-1, conical sealing

In accordance with Article 33 of the REACH regulation (EC No. 1907/2006), we are obliged to point out that the substance lead is on the SVHC list and that all components made of brass that are processed in our products contain more than contains 0.1% (w/w) lead (CAS: 7439-92-1 / EINECS: 231-100-4). Since lead is firmly bound as an alloy component, no exposure is to be expected and therefore no additional information on safe use is necessary.

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## Technical data

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<input checked="" type="checkbox"/> Max. operating pressure without flow meter:	10 bar
<input checked="" type="checkbox"/> Max. operating pressure with flow meter:	6 bar
<input checked="" type="checkbox"/> Min. operating temperature:	2 °C
<input checked="" type="checkbox"/> Max. operating temperature without flow meter:	110 °C
<input checked="" type="checkbox"/> Max. operating temperature for surface heating:	45 °C

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## Medium

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Heating water according to ÖNORM H5195 or VDI 2035. The use of ethylene or propylene glycol in a concentration of 25 - 50% by volume is possible. If you use ethylene glycol products for frost protection or to prevent corrosion, please follow the manufacturer's instructions. We would like to point out that lubricants containing mineral oil attack EPDM seals, which can lead to failure of the EPDM seals in the valves. HERZ stainless steel distributors are unsuitable for use with aggressive substances.

The actual permissible operating data depends on the pipes and clamp connections used.  
Example: for plastic pipes - depending on the manufacturer's specifications:

<input checked="" type="checkbox"/> Max. working pressure:	6 bar
<input checked="" type="checkbox"/> Max. operating temperature:	70 °C

Use at higher operating pressures is only permitted with the written approval of HERZ Armaturen Ges.m.b.H. When using HERZ press connections for copper and steel pipes, the permissible temperature and the maximum pressure according to EN 1254-2:2021 apply.



☑ 1 **8632 03** - 1 **8632 12**

**Flow distribution rod G 1"**

- ☑ Flowmeter 0 - 3 l/min red
- ☑ Drain valve red
- ☑ Vent valve
- ☑ Pipe connections G 3/4" conically sealed

**Return distribution rod G 1"**

- ☑ Thermostatic valves
- ☑ Drain valve blue
- ☑ Vent valve
- ☑ Pipe connections G 3/4" conically sealed



☑ 1 **8633 03** - 1 **8633 12**

**Flow distribution rod G 1"**

- ☑ Flow meter 0 - 6 l/min grey
- ☑ Drain valve red
- ☑ Vent valve
- ☑ Pipe connections G 3/4" conically sealed

**Return distribution rod G 1"**

- ☑ Thermostatic valves
- ☑ Drain valve blue
- ☑ Vent valve
- ☑ Pipe connections G 3/4" conically sealed



☑ 1 **8631 03** - 1 **8631 12**

**Flow distribution rod G 1"**

- ☑ Shut-off valves
- ☑ Drain valve red
- ☑ Vent valve
- ☑ Pipe connections G 3/4" conically sealed

**Return distribution rod G 1"**

- ☑ Thermostatic valves
- ☑ Drain valve blue
- ☑ Vent valve
- ☑ Pipe connections G 3/4" conically sealed



☑ 1 **8634 03** - 1 **8634 12**

**Flow distribution rod G 1"**

- ☑ Shut-off valves
- ☑ Drain valve red
- ☑ Vent valve
- ☑ Pipe connections G 3/4" conically sealed

**Return distribution rod G 1"**

- ☑ Shut-off valves
- ☑ Drain valve blue
- ☑ Vent valve
- ☑ Pipe connections G 3/4" conically sealed



☑ 1 **8634 13** - 1 **8634 22**

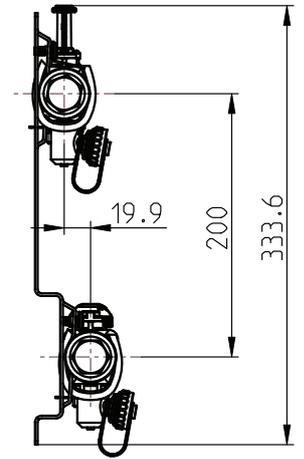
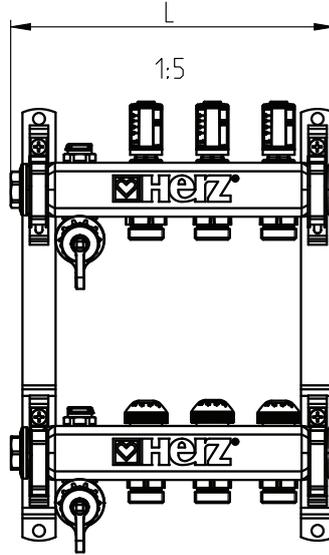
**Flow distribution rod G 1"**

- ☑ Vent valve
- ☑ Pipe connections G 3/4" conically sealed

**Return distribution rod G 1"**

- ☑ Vent valve
- ☑ Pipe connections G 3/4" conically sealed

## ☑ Dimensions



## ☑ Underfloor heating manifold with thermostatic valves in the return

Outlets	With flow meter 0-3 l/min in the flow	With flow meter 0-6 l/min in the flow	With shut-off valves in the flow	L [mm]	Recommended closet for manifold including ball valves or dynamic control set	Recommended closet for Distributor with the pump group
3	1 8632 03	1 8633 03	1 8631 03	244	1 8569 05	1 8569 10
4	1 8632 04	1 8633 04	1 8631 04	294	1 8569 10	1 8569 15
5	1 8632 05	1 8633 05	1 8631 05	343		
6	1 8632 06	1 8633 06	1 8631 06	393	1 8569 15	1 8569 20
7	1 8632 07	1 8633 07	1 8631 07	443		
8	1 8632 08	1 8633 08	1 8631 08	493	1 8569 20	1 8569 25
9	1 8632 09	1 8633 09	1 8631 09	543		
10	1 8632 10	1 8633 10	1 8631 10	593		
11	1 8632 11	1 8633 11	1 8631 11	643	1 8569 25	
12	1 8632 12	1 8633 12	1 8631 12	693		

## ☑ Radiator heating manifold without thermostatic valves

Outlets	With shut-off valves, with drainage and ventilation			Without shut-off valve, with ventilation		
	Article number	L [mm]	Recommended closet for manifold including ball valves or dynamic rule set	Article number	L [mm]	Recommended closet for manifold including ball valves or dynamic rule set
3	1 8634 03	244	1 8569 05	1 8634 13	194	1 8569 04
4	1 8634 04	294	1 8569 10	1 8634 14	244	1 8569 05
5	1 8634 05	343		1 8634 15	294	1 8569 10
6	1 8634 06	393	1 8569 15	1 8634 16	343	
7	1 8634 07	443		1 8634 17	393	
8	1 8634 08	493		1 8634 18	443	
9	1 8634 09	543	1 8569 20	1 8634 19	493	1 8569 20
10	1 8634 10	593		1 8634 20	543	
11	1 8634 11	643	1 8569 25	1 8634 21	593	1 8569 20
12	1 8634 12	693		1 8634 22	643	

Accessories		Q, l/h	Dimension	Order number
	<b>HERZ design hand wheel</b> for HERZ thermostatic valves that are not equipped with a HERZ thermostatic head.			1 9102 80
	<b>HERZ actuating drive for 2-point control for floor heating circuit distributors and valves</b> M 28 x 1.5, 2-point, also suitable for pulse-pause operation, 5 mm stroke, adapter M 28 x 1.5 colour red integrated, cable fixed, without limit switch. Closing force 100 N. Power consumption 1 watt.			1 7708 52
	<b>HERZ actuating drive for 2-point control for floor heating circuit distributors and valves</b> M 28 x 1.5, 2-point, also suitable for pulse-pause operation, 5 mm stroke, adapter M 28 x 1.5 colour red integrated, cable fixed, without limit switch. Closing force 100 N. Power consumption 1 watt.			1 7708 53
	<b>HERZ-Pumpengruppe Pump Group</b> Station for fixed value control incl. high efficiency pump suitable for 3-12 heating circuits, thermostatic head 20 - 50°C with immersion sensor for exact regulation of the supply temperature in floor heating circuits, thermometer to display the supply temperature and contact-safety thermostat are included, suitable for distributors with bar spacing of 167-233 mm (center-center) when using eccentric screw connections, incl. 2 pieces screw connections R 1" MT for the distributor with freely rotating union nut G 1" for the pump group, flat seals are included, connection and shut-off from the high-temperature circuit with ball valves 3/4", back flow preventer integrated in the return flow to the high temperature circuit; distributor, distributor cabinets and individual room control accessories must be ordered separately.			3 F532 34
	<b>Adapter G 1" IG - G1 1/4" AG</b> for connecting a distributor with G 1 1/4" MT to the Pump Group, 2 pieces included in the set.			1 6383 08
	<b>Dynamic Regulation Set for HERZ floor heating distributor UNI-MINI</b> suitable for direct connection, consisting of adapter G 5/4" x G 1", ball valve 1 2202 83, nipple M10 x G 1/8", capillary G 1/8" x G 1/8", adapter G 5/4" x G 3/4" and differential pressure controller with flow limitation 1 4212 32 / 42 DN 20 LP. Installation of a actuating drive or a geared motor for zone control possible. Actuators must be ordered separately.	450 - 1800	20 LP	1 8635 52
		550 - 2150	20 HP	1 8635 53
	<b>Ball valve with T-handle, straight version, red, PN 25</b> Socket x dutch connection. With connection nipple 1" for steel distributor, O-ring-sealed. Body made of forged brass, nickelplated, with full bore. Ball sealing PTFE, spindle seal with PTFE. EPDM screw connection. Female thread according to ISO 228. Min. operating temperature -30 °C (water+0.5 °C), max. operating temperature: 150 °C (water up to 110 °C, no steam).		25	1 2205 13
			25	1 2205 23
	<b>Ball valve with T-handle, straight version, blue, PN 25</b> Socket x dutch connection. With connection nipple 1" for steel distributor, O-ring-sealed. Body made of forged brass, nickelplated, with full bore. Ball sealing PTFE, spindle seal with PTFE. EPDM screw connection. Female thread according to ISO 228. Min. operating temperature -30 °C (water+0.5 °C), max. operating temperature: 150 °C (water up to 110 °C, no steam).		25	1 2224 03
			25	1 2224 13
<b>Spare parts</b>				<b>Order number</b>
	<b>HERZ flow meter</b> Setting range 0 – 3 l/min. For the following models of floor heating supply distributors: Stainless steel manufactured as of 2018 and composite manifold UNI-MINI.			3 F900 33
	<b>HERZ flow meter</b> Setting range 0 – 6 l/min. For the following models of floor heating supply distributors: Stainless steel manufactured as of 2018 and composite manifold UNI-MINI.			3 F900 36

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