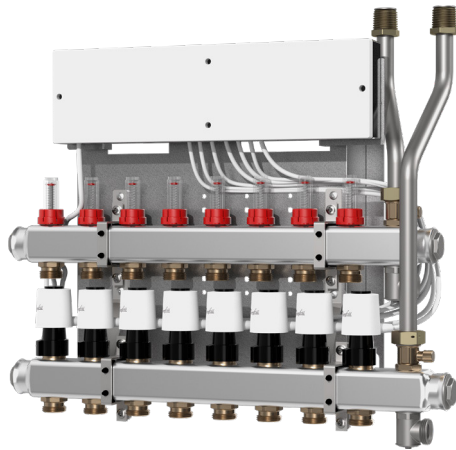


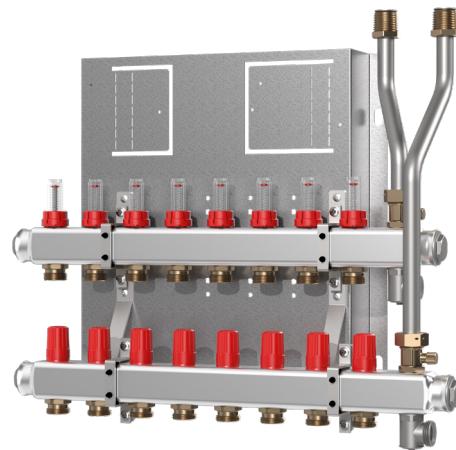
Fact sheet

Stainless Steel Distribution Systems SG and SGC / SGCI

Danfoss prefabricated stainless steel distribution systems for floor heating.



SGC/SGCI



SG

Application

The Danfoss stainless steel distribution systems are prefabricated solutions for floor heating, which can be installed separately or be implemented with the Danfoss flat station range.

These solutions make it easier for the installer to order a ready-made plug & play construction for mounting of distribution pipes for the building section.

The systems are available as standard solutions with 2 to 12 connections and include manual air vent and drain valve. In addition the solutions include a flow meter to maintain the designated flow rate.

The solution SGC is fitted with an Icon™ master controller 230V and thermo-actuators TWA NC for control of the floor heating system. The solution SGCI is fitted with an Icon™ master controller 24V and thermo-actuators TWA NC for control of the floor heating system.

Recess boxes for built-in variants are available in five sizes:
H910/W610/D150 mm,
H910/W690/D150 mm,
H1350/W610/D150,
H1350/W690/D150 and
H1350/W850/D150 mm.

Width 610 mm for distribution systems with up to 9 connections, width 690 mm for distribution systems with up to 10 connections and width 850 mm for distribution systems with up to 12 connections.

A mounting rail with ball valves for easy mounting in recess box or on the wall is available as an option.

Description

Type SG: Distribution system for floor heating without shunt, with flow meter. This variant is available with 2 to 12 connections.

Type SGC: Distribution system for floor heating without shunt, with flow meter and with Icon™ floor heating controller 230 V and thermo-actuators TWA NC as standard. This variant is available with 2 to 12 connections.

Type SGCI: Distribution system for floor heating without shunt, with flow meter and with Icon™ floor heating controller 24V and thermo-actuators TWA NC as standard. This variant is available with 2 to 12 connections.

Flexible solutions

The Danfoss distribution systems are prepared for implementation with the Danfoss flat station ranges EvoFlat MSS and Akva Lux II S-F.

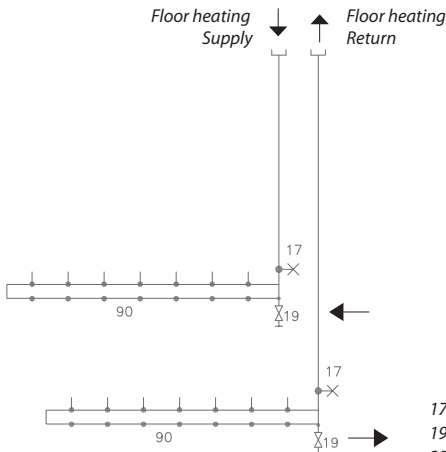
For more information about implementation with the Danfoss flat station range please refer to the relevant product sheets for the respective flat stations.

FEATURES AND BENEFITS

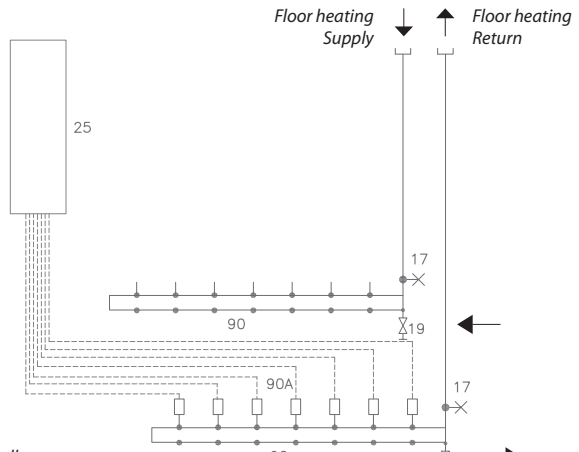
- Plug & Play construction
- Durable stainless steel distribution system
- Minimum space required for installation
- Minimum time required for installation
- Flexible - prepared for implementation with the Danfoss flat station range
- Mounting rail set with ball valves available as a pre-assembled accessory set
- Prepared for mounting in recess box or on the wall

CIRCUIT DIAGRAMS - EXAMPLES

DISTRIBUTION SYSTEM SG



DISTRIBUTION SYSTEM SGC / SGCI



- 17 Air vent
- 19 Drain valve
- 25 Danfoss ICON™ controller
- 90 Manifold w. 2-12 connecting pieces
- 90A Thermo-actuator Danfoss TWA NC

Technical Parameters:

Nominal pressure: PN 10
 DH supply temperature: $T_{max} = 95\text{ }^{\circ}\text{C}$
Electrical supply: 230 / 24V AC
Connections sizes:
 Flat station: G 3/4" (IT)

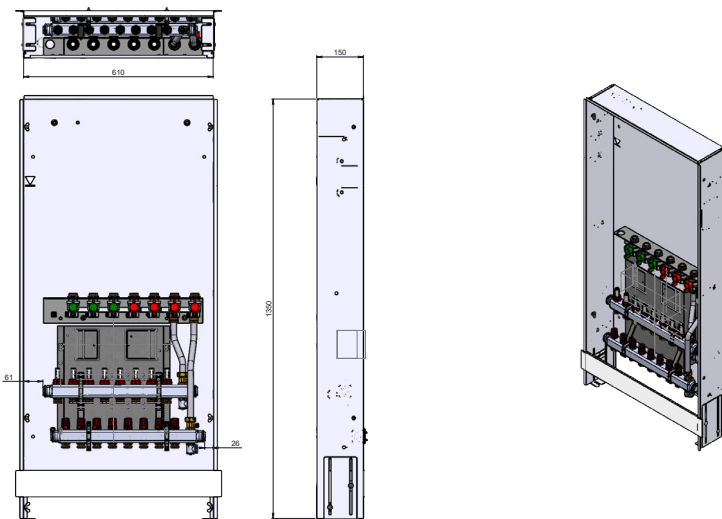
Recess boxes for built-in variants are available in five sizes:

2-9 connections fit in:
 145H4900: Recess box H1350 / B610 / D150 mm
 145H4904: Recess box H910 / B610 / D150 mm
10 connections fit in:
 145H4902: Recess box H1350 / B690 / D150 mm
 145H4906: Recess box H910 / B690 / D150 mm
11-12 connections fit in:
 145H4908: Recess box H1350 / B850 / D150 mm

Options:

- Recess box (for built-in variant)
- Mounting rail set with ball valves

RECESS BOX FOR BUILT-IN VARIANT



FLAT STATION WITH DISTRIBUTION SYSTEM RECESS MOUNTED VARIANT



Danfoss A/S

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