

Installation Guide

FHM-CN2

Pre-assembled Mixing Shunt

Installation overview

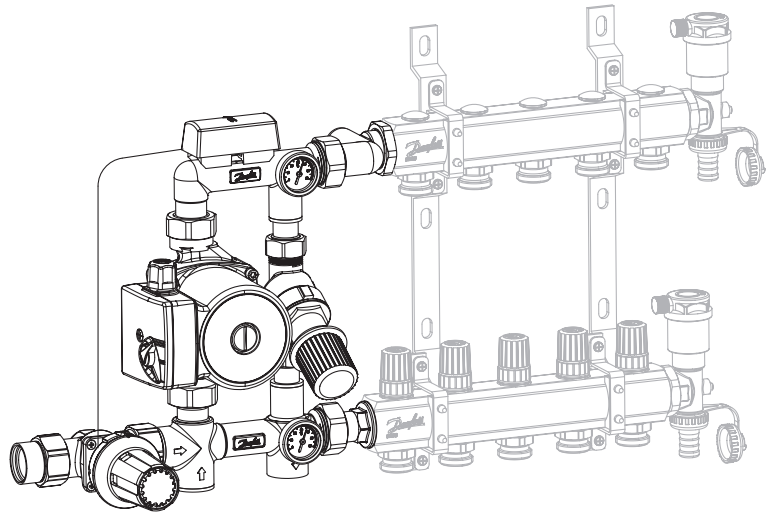


Fig. 1: Overview

Installation

The FHM-CN2 must be connected to a system according to the illustrations.

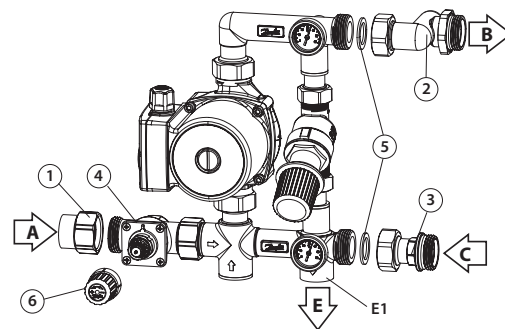







Fig 2.

-  Primary water side (horizontal direction)
-  Secondary water supply
-  Secondary return
-  Primary water supply (vertical direction)
-  Primary return

1. Remove the union nuts 1, 2 and 3 and gasket 5 from mixing shunt which to be used in steps below, as shown in Fig. 2.
2. Pre-mounted union nut 1 for connection to the primary side supply pipe. The union nut 1 to control valve 4 must be tightened with a torque

of at least 85 Nm without any sealing materials, as shown in Fig. 2.

3. Pre-mounted union nuts 2 and 3 for connection to the secondary side pipe or directly on a Danfoss manifold. The union nuts 2 and 3 to mixing shunt must be tightened with a torque of 30 to 40 Nm with enclosed flat gasket, as shown in Fig. 2.
4. The end of primary side return pipe E1 for connection to primary side return pipe E.
5. Remove the blue cap 6, as shown in Fig. 2.
6. FTC thermostatic sensor is in package. Mount it on the valve according to the enclosed instruction, as shown in Fig. 3.

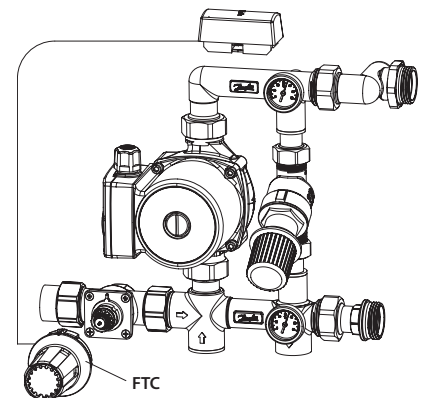


Fig 3.

Optional Installation Type

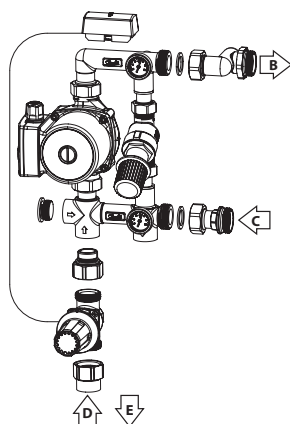


Fig. 4: RA-C Flow of Primary Side Install Vertically

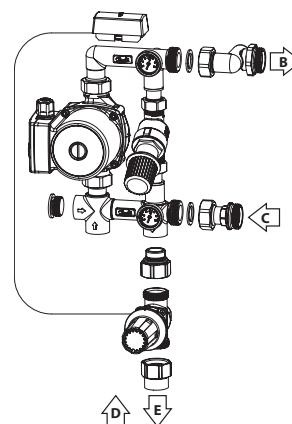


Fig. 5: RA-C Return of Primary Side Install

Refer to Fig. 2, Fig. 4, Fig. 5 structure, can choose to install the manifold in the mixing shunt left.

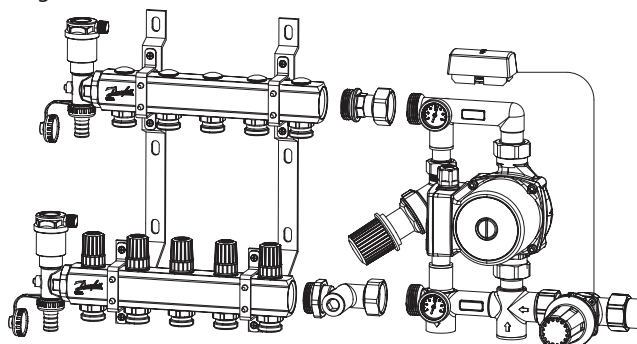


Fig. 6

Tips

Connection 8 and 9 are tightened from the factory. If leaks occur due to loosening during transportation, moving or similar, please tighten:

- Connection 8 and 9 at a torque of 30 to 40 Nm.
- Connection 4 and 7 at a torque of min. 85 Nm.
- Connection 7 and 10 at a torque of 30 to 40 Nm

Adjust bypass control valve AVDO to required different pressure according to actual application, as shown in Fig. 7.

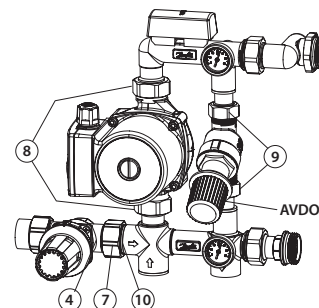


Fig. 7

RoHS compliance

Part Name	Hazardous Substances Table					
	Pb	Hg	Cd	Cr(VI)	PBB	PBDE
Pump	X	O	O	O	O	O
Brass parts	X	O	O	O	O	O

O: Indicates that this hazardous substance contained in all of the homogeneous material for this part is below the limit requirement in GB/T 26572.

X: Indicates that this hazardous substance contained in at least one of the homogeneous material for this part is above the limit requirement in GB/T 26572.

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安装指南

FHM-CN2
整体式混水中心

安装概览

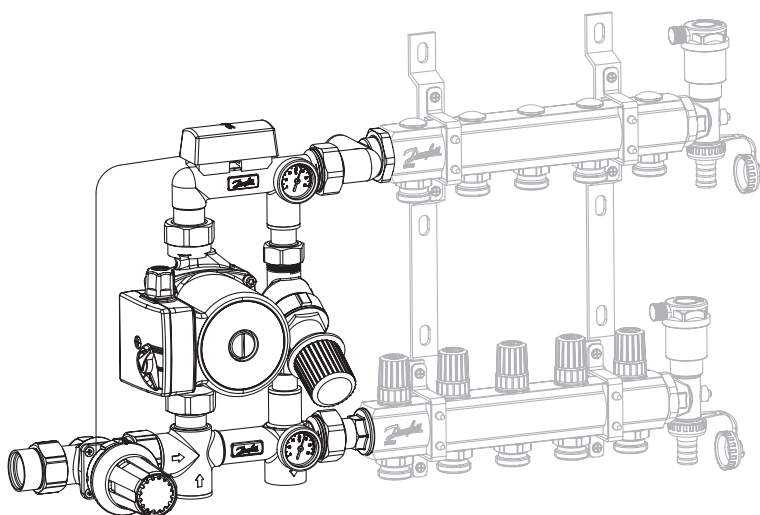


图1: 安装概览

安装步骤

必须按图示要求将FHM-CN2连接至系统。

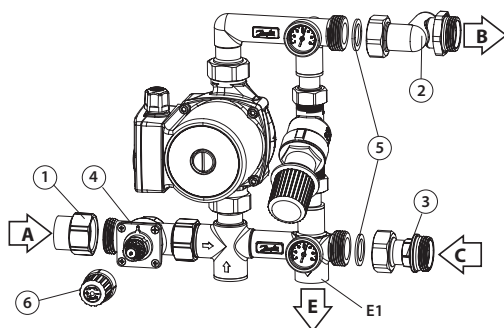


图2

- ➡ A 一次侧供水（水平方向）
- ➡ B 二次侧供水
- ➡ C 二次侧回水
- ➡ D 一次侧供水（竖直方向）
- ➡ E 一次侧回水

1. 将活接①②③及密封垫片⑤从混水中心拆下备用，见图2。
2. 将图中所示活接①装到一次侧供水管A上。再将活接①与RA-C控制阀④进行连接，并用不小于 85 Nm的力矩拧紧螺母，该活接与RA-C控制阀的连接为硬密封，连接时勿需使用任何密封材料，见图2。

3. 将图中所示活接②③分别装到二次侧供水管B和二次侧回水管C上或丹佛斯分集水器上，再将活接与混水中心连接，密封材料为产品附带的密封平垫片⑤，并用 30-40 Nm 的力矩拧紧螺母。见图2。
4. 将一次侧回水端E1与一次侧回水管E相连，见图2。
5. 移除蓝色保护帽⑥，见图2。
6. FTC 恒温阀头在包装内。根据随附说明将其安装到混水中心上，见图3。

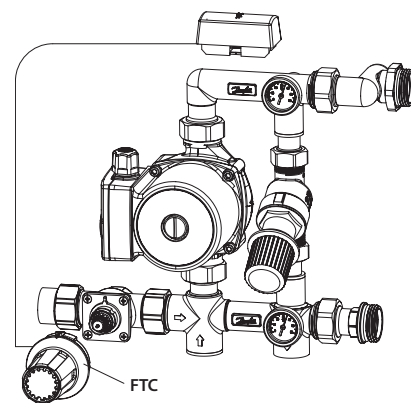


图3

其它可选择安装样式

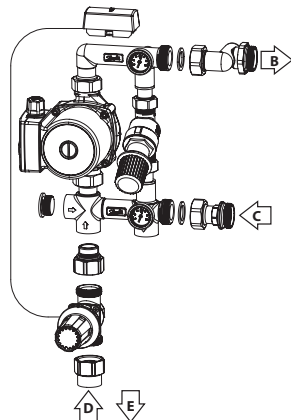


图4: RA-C阀门一次侧供水垂直安装

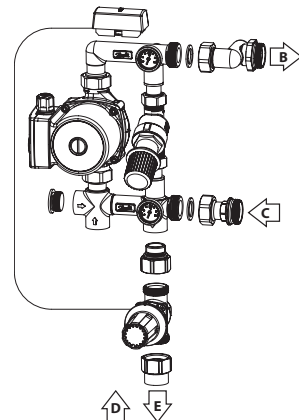


图5: RA-C阀门一次侧回水垂直安装

参考图2, 图4, 图5结构, 可选择将分集水器安装于混水中心左侧。

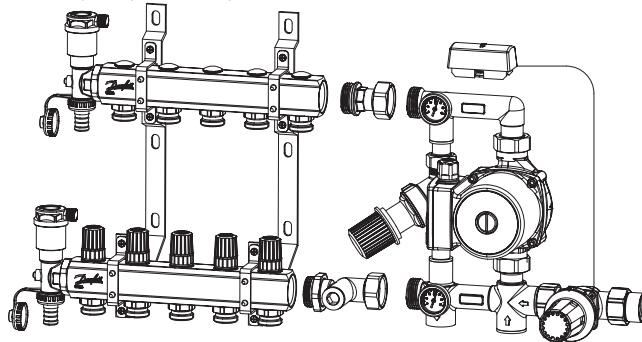


图6

小贴士

连接螺母⑧、⑨和活接头⑦在出厂时已拧紧。如果由于在运输、搬运或类似过程中出现松动而导致泄漏, 请参考下述力矩拧紧相关活接及螺母:
 ··用30-40 Nm 的力矩拧紧连接螺母⑧、⑨。
 ··用不小于85 Nm 的力矩拧紧活接头⑦与控制阀④。
 ··用30-40 Nm 的力矩拧紧活接头⑦和一次侧供水端⑩。
 请根据实际应用情况, 调节压差旁通阀AVDO到所需压差, 见图7。

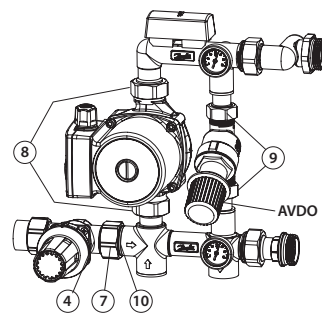


图7

RoHS 指令

部件名称	有害物质含量表					
	铅	汞	镉	六价铬	多溴联苯	多溴二苯醚
水泵	X	O	O	O	O	O
铜制部分	X	O	O	O	O	O

O: 表示该有害物质在该部件所有均质材料中的含量均在GB/T 26572规定的限量要求以下。

X: 表示该有害物质至少在该部件的某一均质材料中的含量超出GB/T 26572规定的限量要求。

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