Danfoss FHM-CN2 Pre-Aassembled Mixing Shunt Installation Guide

ENGINEERING
TOMORROW
FHM-CN2 Pre-Assembled Mixing Shunt
Installation Guide

Installation Guide
FHM-CN2

Pre-assembled Mixing Shunt

Contents

Installation overview

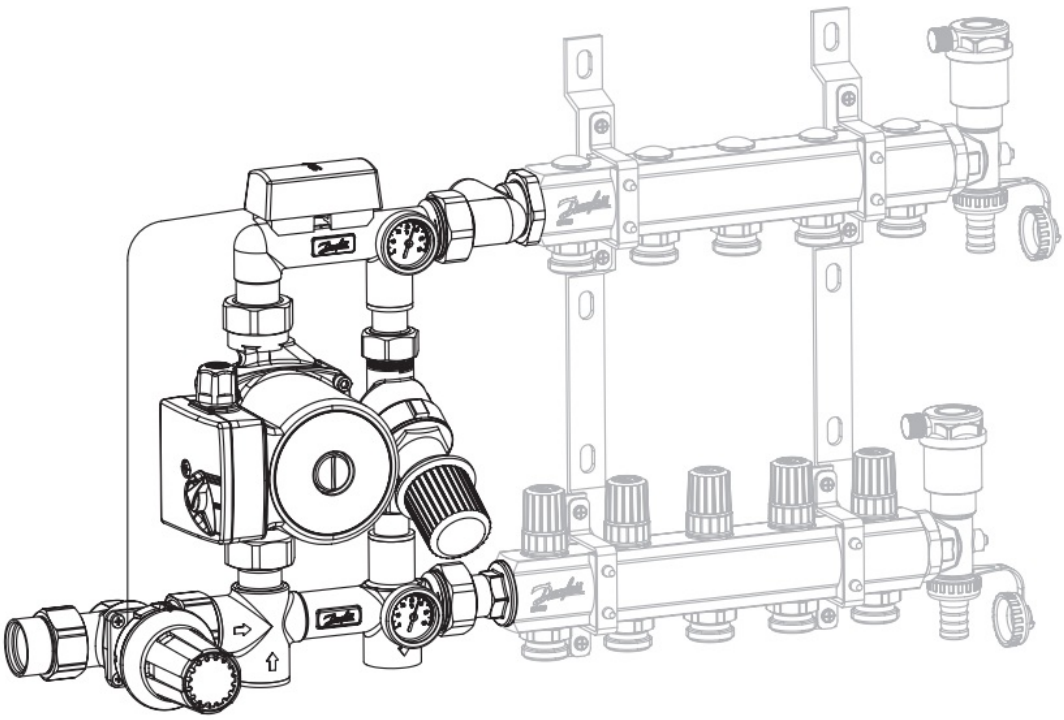

Fig. 1: Overview

Installation

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

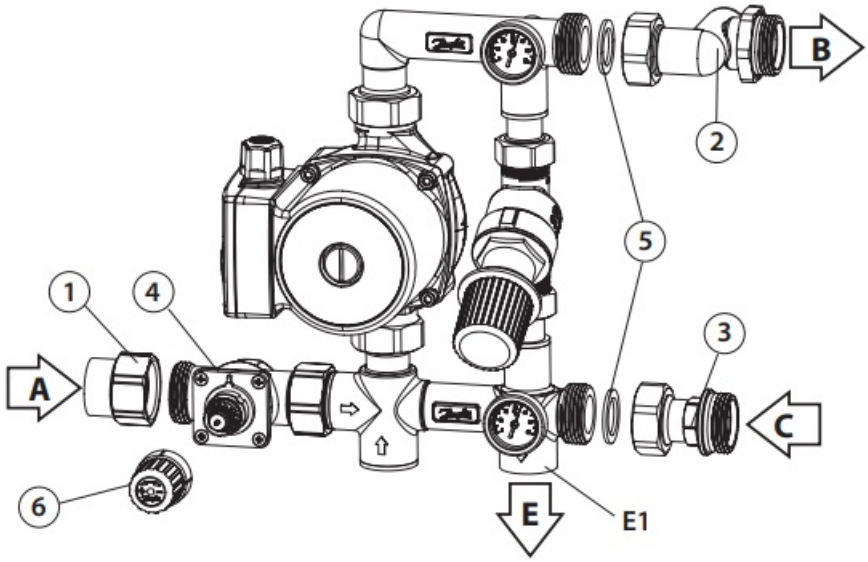

Fig 2.

A	Primary water side (horizontal direction)
B	Secondary water supply
C	Secondary return
D	Primary water supply (vertical direction)
E	Primary return

1. Remove the union nuts 1, 2 and 3 and rubber 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 15 to 25 Nm with enclosed rubber 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.

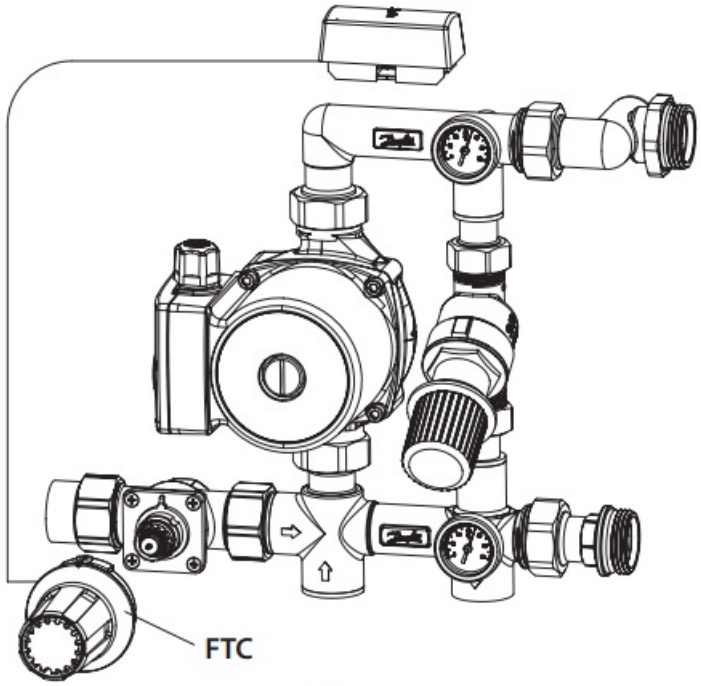

Fig 3.

Optional Installation Type

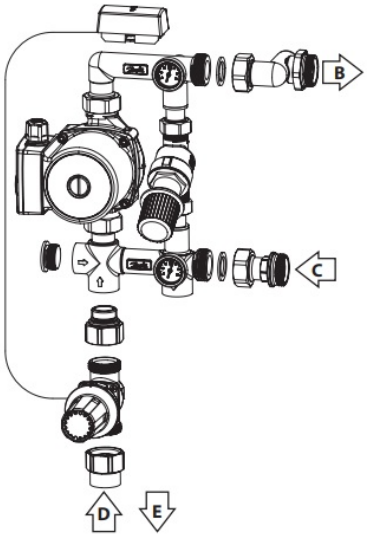

Fig. 4: RA-C Flow of Primary Side Install Vertically

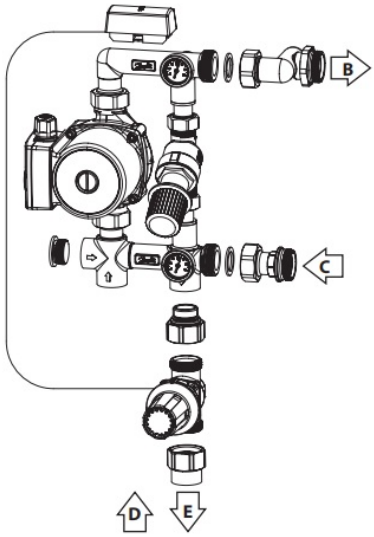

Fig.5: RA-C Return of Primary Side Install

Refer to Fig. 2, Fig. 4, Fig. 5, Fig. 6 structure, can choose to install the manifold in the mixing shunt left.

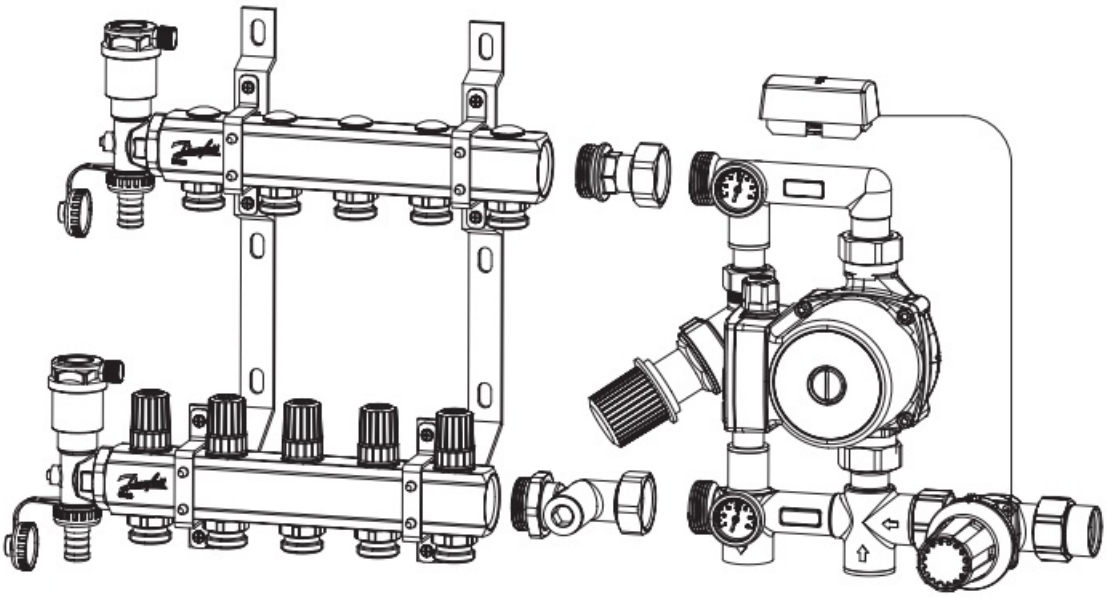

Fig. 6

Tips Connection 7, 8 and 9 are tightened from the factory. Please double check them during installation. If loosening or leaks occur due to transportation or moving, please tighten:

- Connection 8 at a torque of 15 to 25 Nm.
- Connection 4 and 7 at a torque of min. 85 Nm.
- Connection 9,7 and 10 at a torque of 30 to 40 Nm

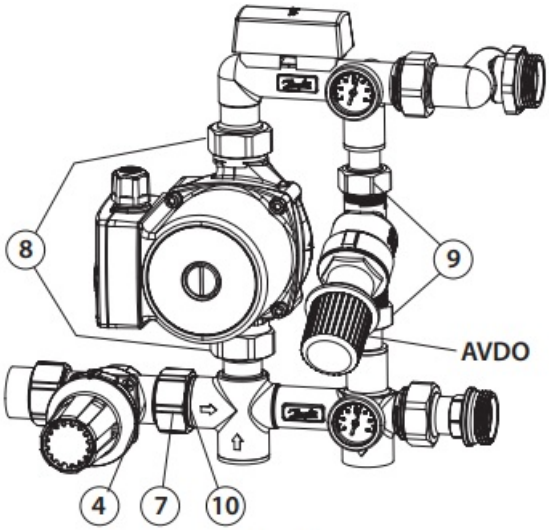

Fig. 7

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

RoHS compliance

Part Name	Hazardous Substances Table					
	Pb	Hg	Cd	Cr(VI)	PBB	PBDE
Pump	X	0	0	0	0	0
Brass parts	X	0	0	0	0	0

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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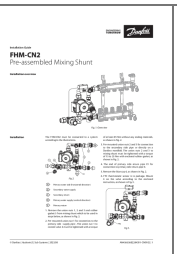
Documents / Resources

	Danfoss FHM-CN2 Pre-Aassembled Mixing Shunt [pdf] Installation Guide AN45665682284301-CN0102, FHM-CN2 Pre-Aassembled Mixing Shunt, FHM-CN2, Pre-Aassembled Mixing Shunt, Mixing Shunt

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