Installation Guide

FHM-CN2
Pre-assembled Mixing Shunt

Installation overview

Installation

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

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.
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