Installation Instructions

By-pass with Non-return Valve for Regomat 1“ / 5/4“ Load Units

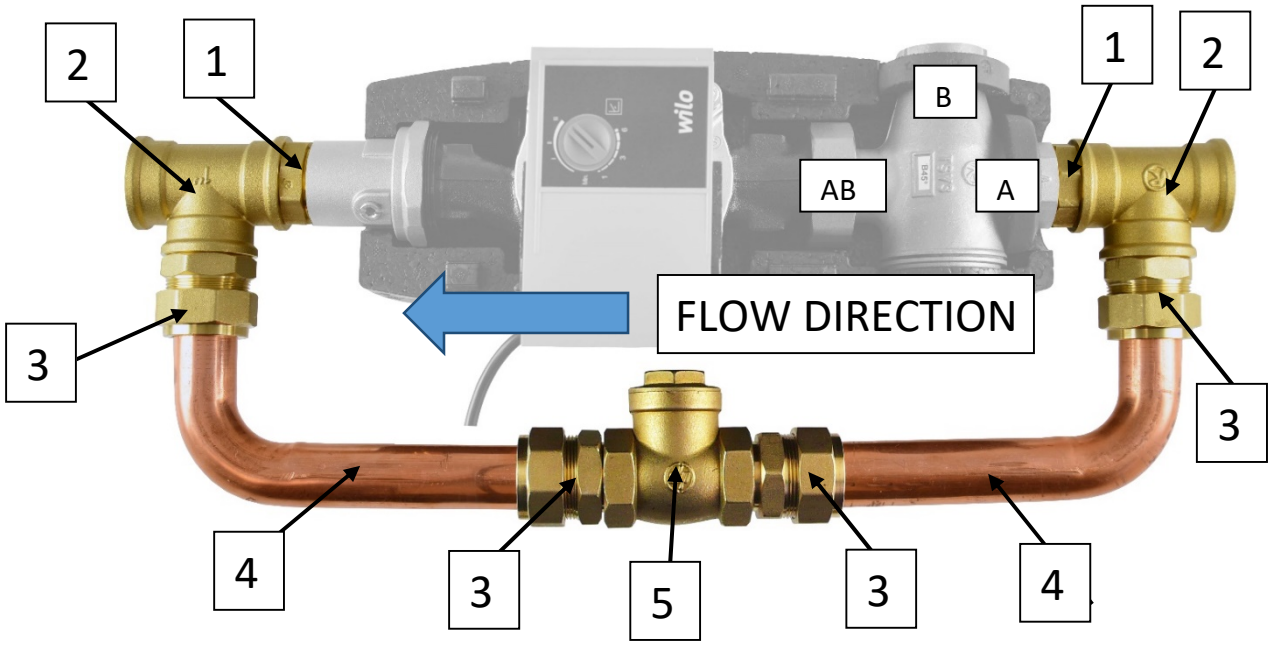
(16126 / 16139)

EN
v. 1.0

1. Introduction

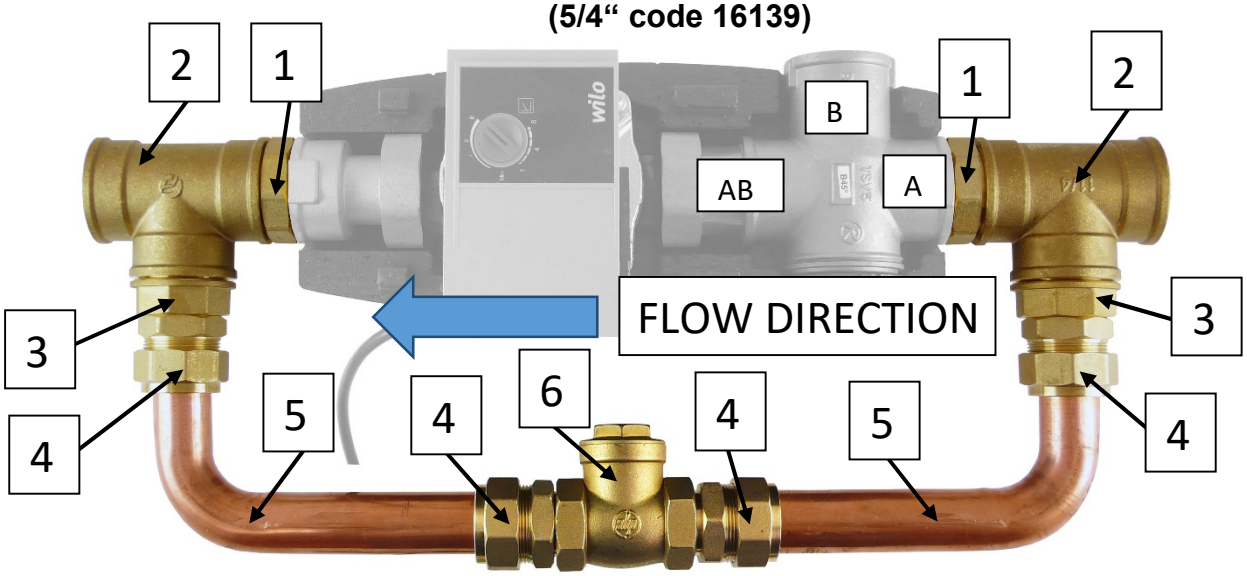
The by-pass with non-return valve is designed to protect boilers against overheating in case of a circulation pump failure. Under this condition and a closed TSV valve in the Regomat load unit (path A), gravity circulation starts and boiler cooling is ensured.

2. Components (1“ code 16126)



Item No.	Code	Item	Quantity
1	6969	Hex nipple 1" MM	2 pcs
2	15184	T-piece 1“ FFF	2 pcs
3	13391	Coupler 28 - 1“ M	4 pcs
4	16125	Elbow, 28mm	2 pcs
5	16124	Non-return valve	1 pc
6	9392	Insulation (not in pic., see point 6)	1.3 m

(5/4“ code 16139)



Item No.	Code	Item	Množství
1	6973	Hex nipple 5/4" MM	2 pcs
2	13962	T-piece 5/4" FFF	2 pcs
3	13395	Reducer 5/4"x1"MF	2 pcs
4	13391	Coupler 28 - 1“ M	4 pcs
5	16125	Elbow 28mm	2 pcs
6	16124	Non-return valve	1 pc
7	9392	Insulation (not in pic., see point 6)	1.3 m

3. Installation

This by-pass with non-return valve shall be installed in a horizontal position! It is not designed for vertical installation!

1. First screw the hex nipples, code 6969/6973 into the Regomat Load Unit (not included in supply), see Fig. 1.

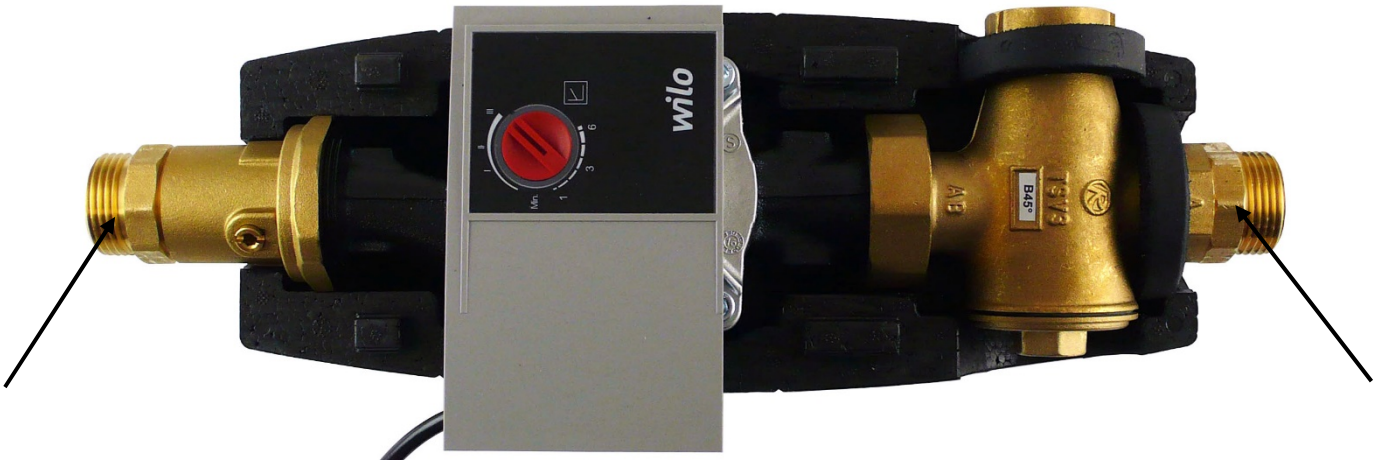


Fig.1

2. Then screw T-pieces, code 15184/13962 into the hex nipples. The T-pieces may be turned to any position, however always ensure that collision with the B path and pump actuator is avoided after the elbows and non-return valve are installed.

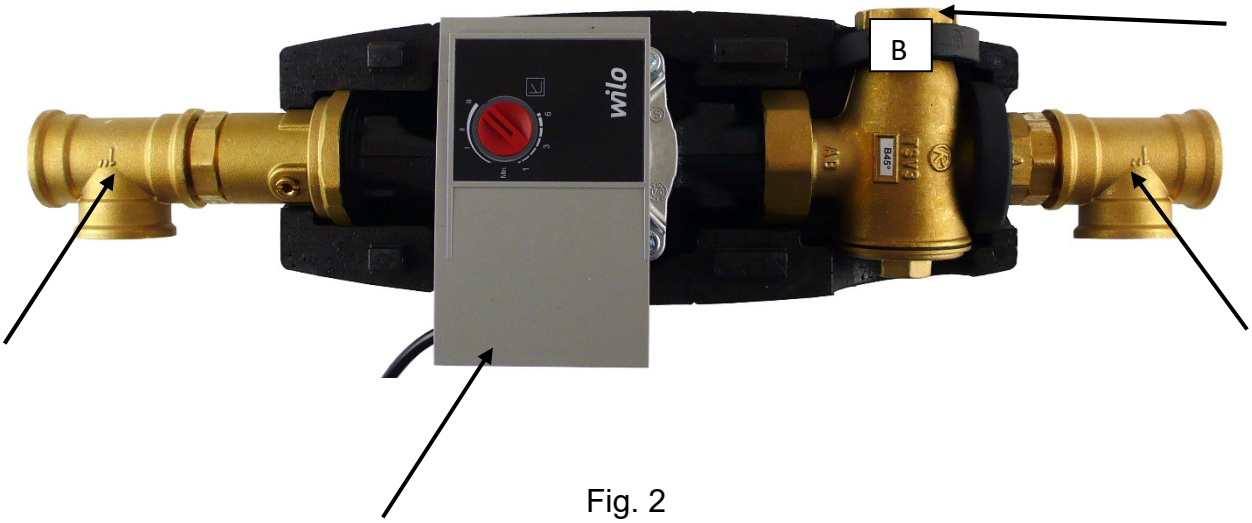


Fig. 2

3. Install the couplers 28 - 1“ M, code 13391 into T-pieces, see Fig. 3.
In the 5/4” by-pass version start with installing the reducers 5/4"x1"MF, code 13395.

Fig. 3

4. Screw the couplers 28 - 1“ M, code 13391 into the non-return valve, code 16124, see Fig. 4. Insert the elbows, code 16125 into the couplers. Do not tighten.

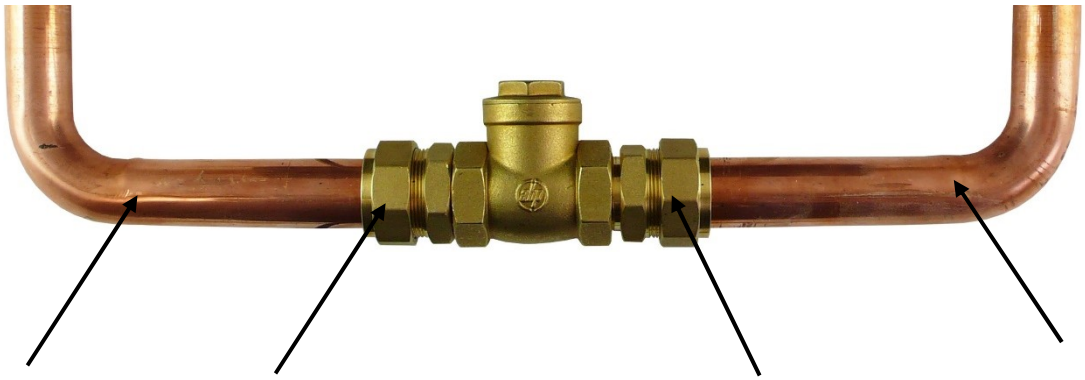


Fig. 4

5. Insert the non-return valve with elbows into the couplers in T-pieces. **Verify the right flow direction on the non-return valve! The non-return valve shall be installed horizontally with the plug upwards!** Tighten the couplers, see Fig. 5.

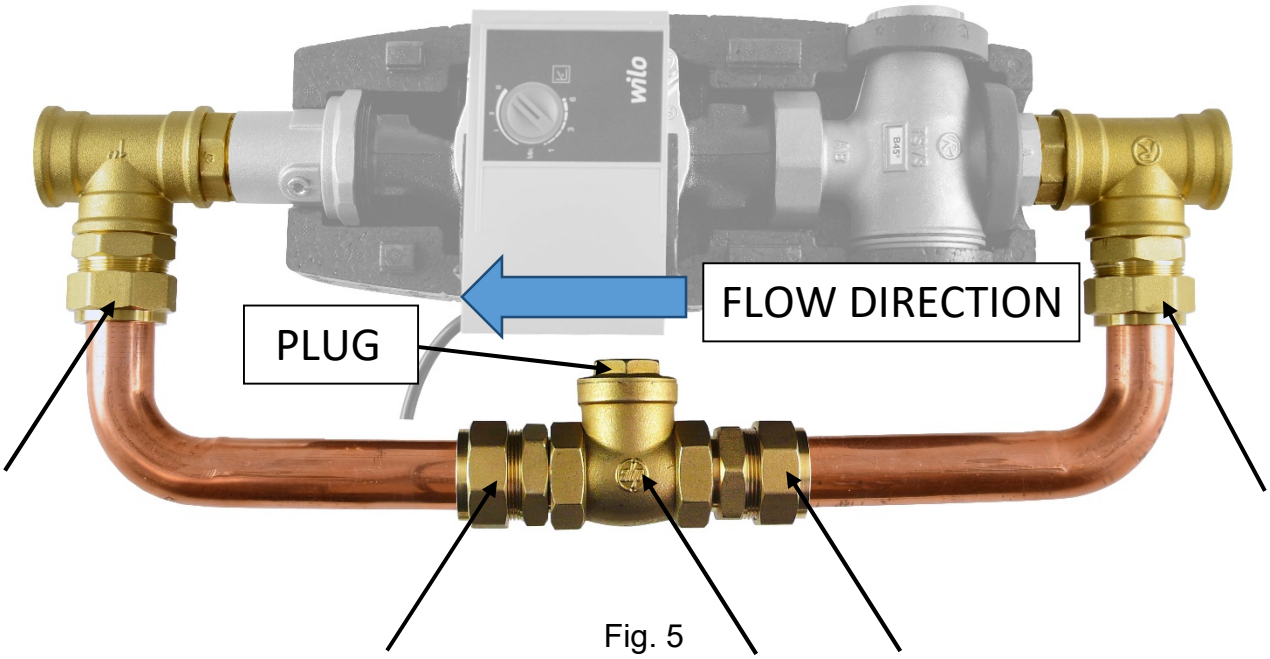


Fig. 5

6. The insulation consists of five parts, see Fig. 6. Fit the separate insulation parts on the by-pass.
Remove protective foil from the adhesive surfaces and close the insulation.
Seal the transitions between insulation parts 1-2 and 2-3 with a sealing tape.

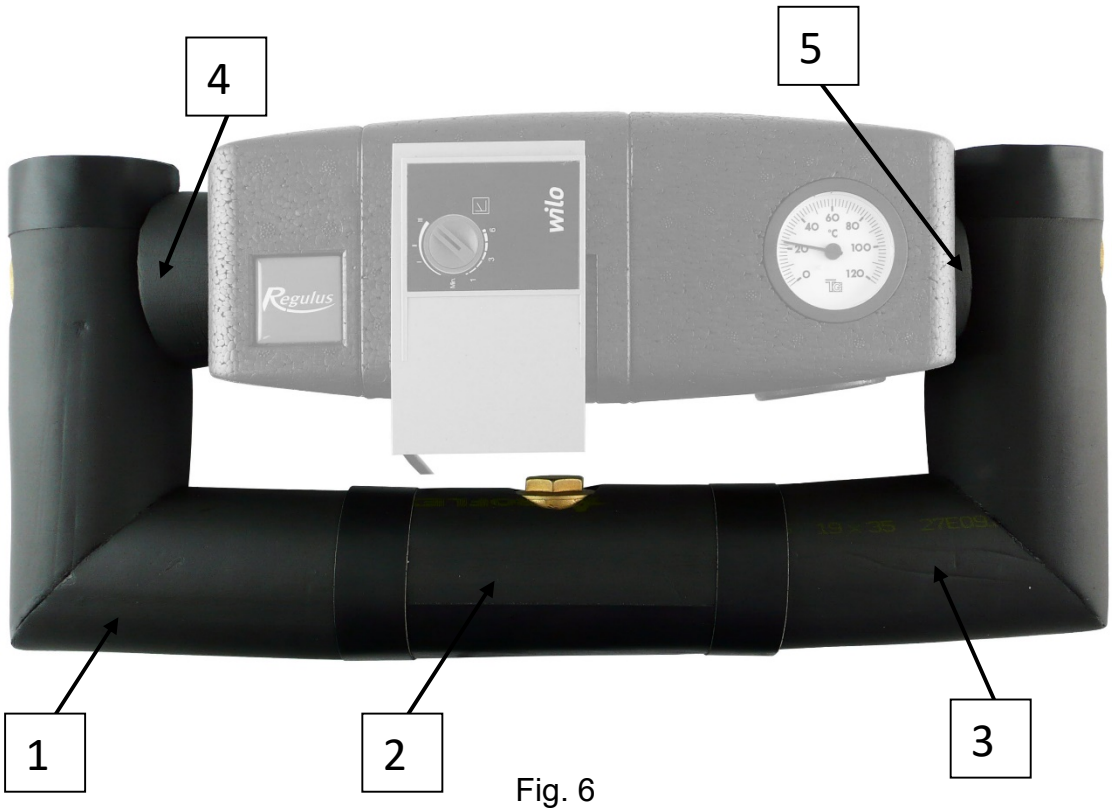


Fig. 6

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