

Installation Guide

Connecting Danfoss Composite Pipes to FHF Manifold

1 Connecting Danfoss Composite Pipes to FHF Manifold



Fig. 1: Before connecting the heating circuit to manifold cleanly cut off FH composite pipe in the correct length.



Fig. 2: Centre pipe and bevel with beveling tool - 2 mm all round bevel on inner pipe.

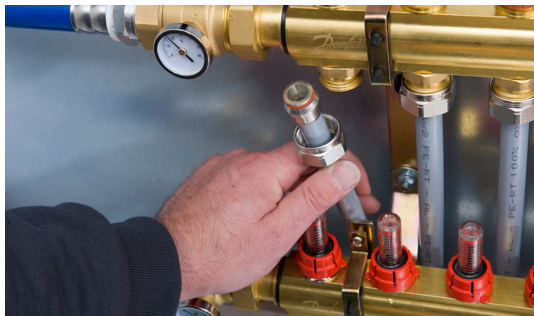


Fig. 3: Slip compression fitting nut over FH composite pipe and push down fitting insert (Eurocone) until it meets end stops.

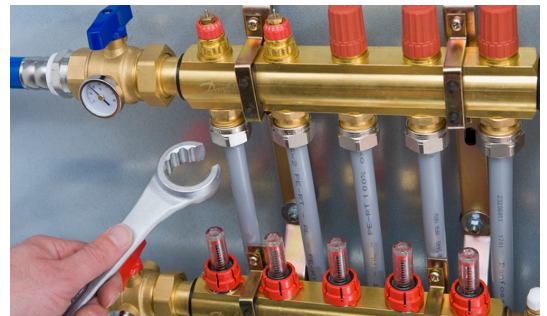


Fig. 4: Tighten compression fitting nut with a 30 mm open ended spanner.

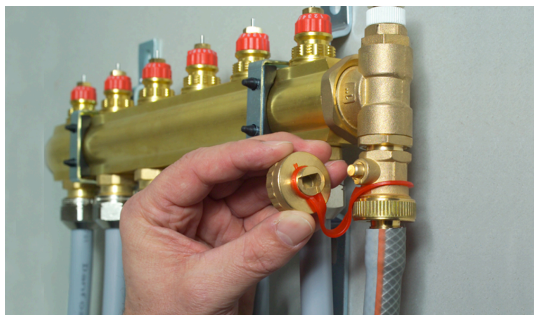


Fig. 5: Shut off main supply and return ball valves. Heating circuits are individually flushed via fill and drain valves mounted on respectively supply and return manifold.



Fig. 6: Label the individual heating circuits. Carry out pressure test in accordance with the pressure test protocol.



Fig. 7: Open ball valves and all flow meters completely.



Fig. 8: Preset manifold valve for each heating circuit according to calculations and manifold data sheet.

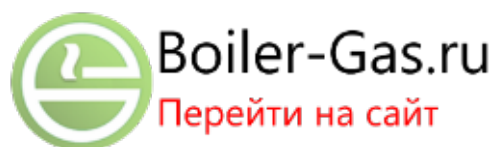


Fig. 9: Fix actuator to valve with a 2 mm Allen key and connect actuator and room thermostats via wiring centre or master controller.



Fig. 10: Finally, fit cabinet door.

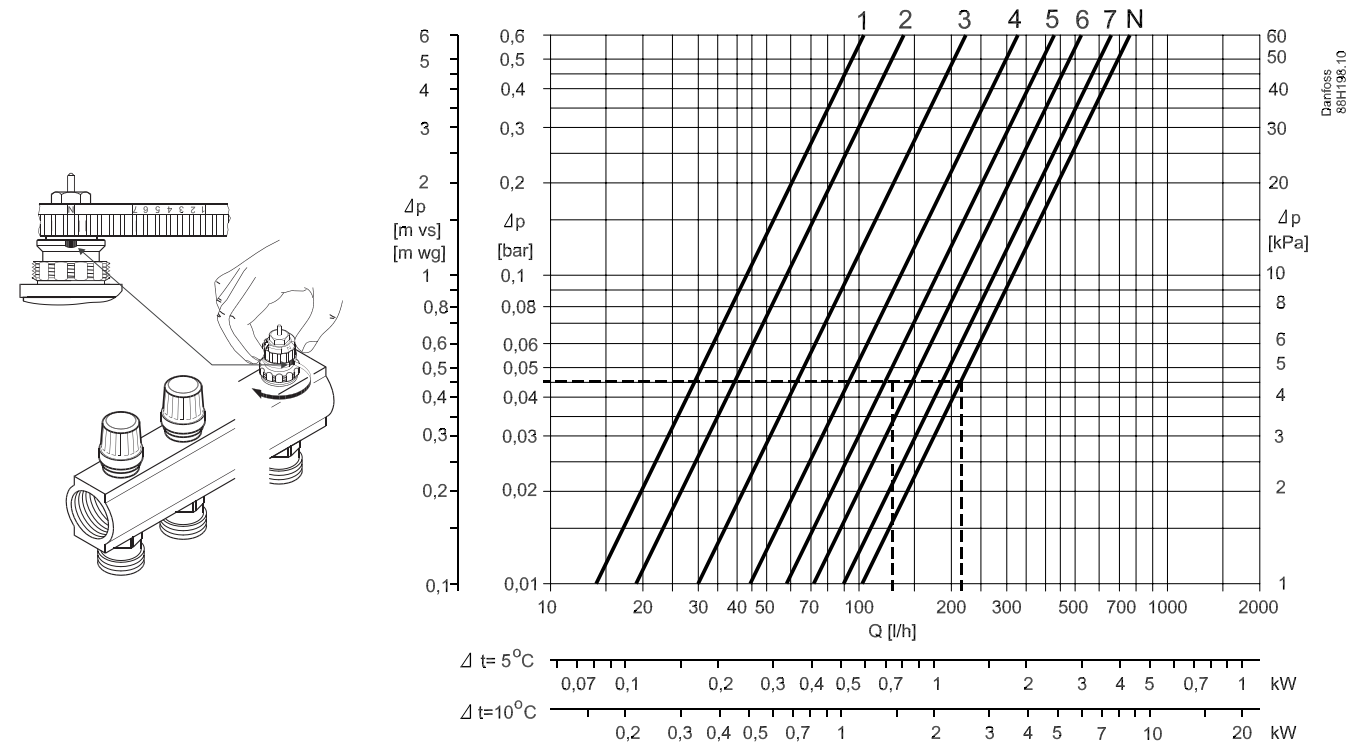
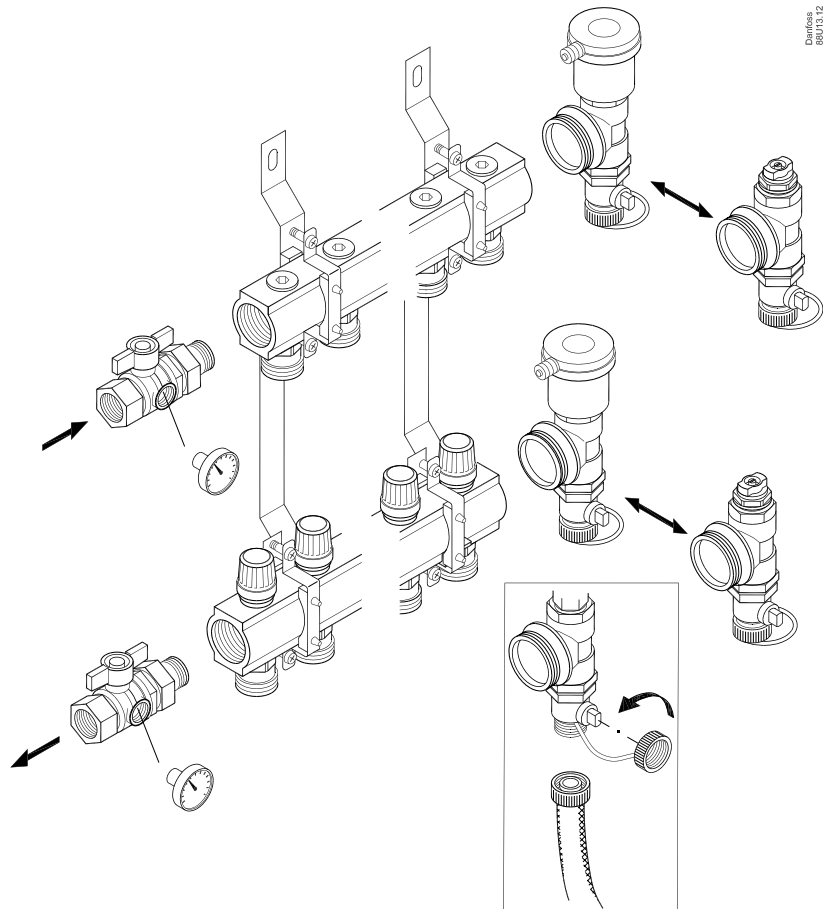
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Installation Guide

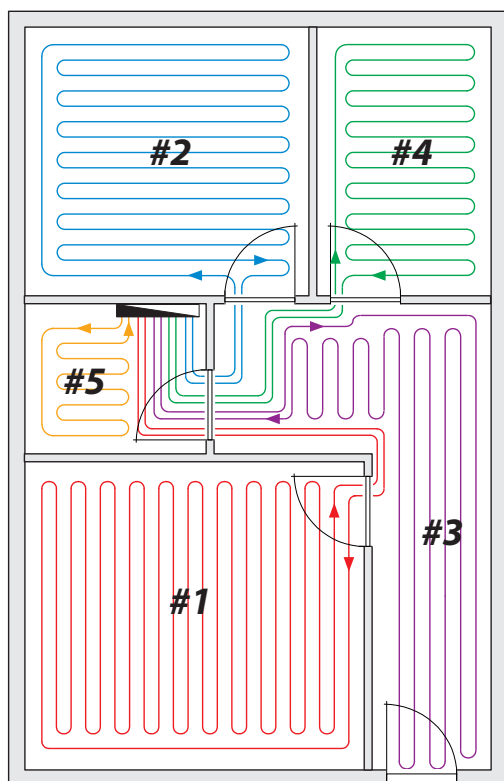
FHF manifold



Installation Guide

Example:

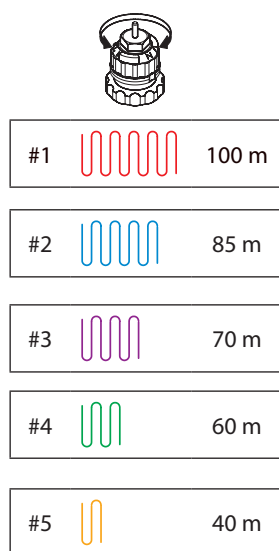
 16 x 2 mm



	100	95	90	85	80	75	70	65	60	55	50
120											
115											
110											
105											
100	n										
95	6	n									
90	5	6	n								
85	4	5	6	n							
80	4	4	5	6	n						
75	3,5	3,5	4	4,5	5,5	n					
70	3	3,5	3,5	4	4,5	5,5	n				
65	3	3	3,5	3,5	4	4,5	5,5	n			
60	2,5	3	3	3,5	3,5	4	4,5	5,5	n		
55	2,5	2,5	2,5	3	3	3,5	4	4,5	5,5	n	
50	2	2	2,5	2,5	3	3	3,5	4	4,5	5,5	n
45	1,5	1,5	2	2,5	2,5	2,5	3	3,5	3,5	4	5,5
40	1	1,5	1,5	2	2	2,5	2,5	3	3	3,5	4
35	1	1	1	1,5	1,5	2	2,5	2,5	2,5	2,5	3,5
30		1	1	1	1	1,5	1,5	2	2,5	2	3
25		1	1	1	1	1	1	1,5	2	1,5	2,5
20		1	1	1	1	1	1	1	1	1	2
15		1	1	1	1	1	1	1	1	1	1
10		1	1	1	1	1	1	1	1	1	1



 20 x 2 mm



	120	115	110	105	100	95	90	85	80	75	70	65	60	55	50
120	n														
115	7	n													
110	6	6,5	n												
105	5,5	6	7	n											
100	5	5,5	6	7	n										
95	4,5	5	5,5	6,5	7	n									
90	4	4,5	5	5,5	6	7	n								
85	4	4	4,5	5	5,5	6	7	n							
80	3,5	4	4	4,5	5	5,5	6	7	n						
75	3,5	3,5	4	4	4,5	5	5,5	6	7	n					
70	3	3,5	3,5	4	4,5	4,5	5	5,5	6	7	n				
65	3	3	3,5	3,5	4	4	4,5	5	5	6	7	n			
60	3	3	3	3,5	3,5	4	4	4,5	4,5	5	6	7	n		
55	2,5	3	3	3	3,5	3,5	3,5	4	4	4,5	5	6	6,5	n	
50	2,5	2,5	2,5	3	3	3	3,5	3,5	4	4	4,5	5	5,5	6,5	n
45	2	2,5	2,5	2,5	3	3	3	3	3,5	3,5	4	4,5	4,5	5	6
40	2	2	2	2,5	2,5	2,5	3	3	3	3,5	3,5	4	4	4,5	5
35	1,5	1,5	1,5	2	2	2,5	2,5	2,5	2,5	3	3	3,5	3,5	4	4,5
30	1	1	1	1,5	1,5	2	2	2	2,5	2,5	2,5	3	3	3,5	4
25	1	1	1	1	1,5	1,5	1,5	1,5	2	2	2,5	2,5	2,5	3	3,5
20	1	1	1	1	1	1	1	1	1	1,5	1,5	2	2	2,5	2,5
15	1	1	1	1	1	1	1	1	1	1	1	1	1,5	1,5	2
10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

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