

The siting of room thermostats is critical to ensure satisfactory performance of the heating system. Refer to the Aeronas heat pump installation instructions for more information.

The length and number of DHW 'on' periods are critical to ensure satisfactory performance of the heating system. Refer to the Aeronas heat pump installation instructions for more information.

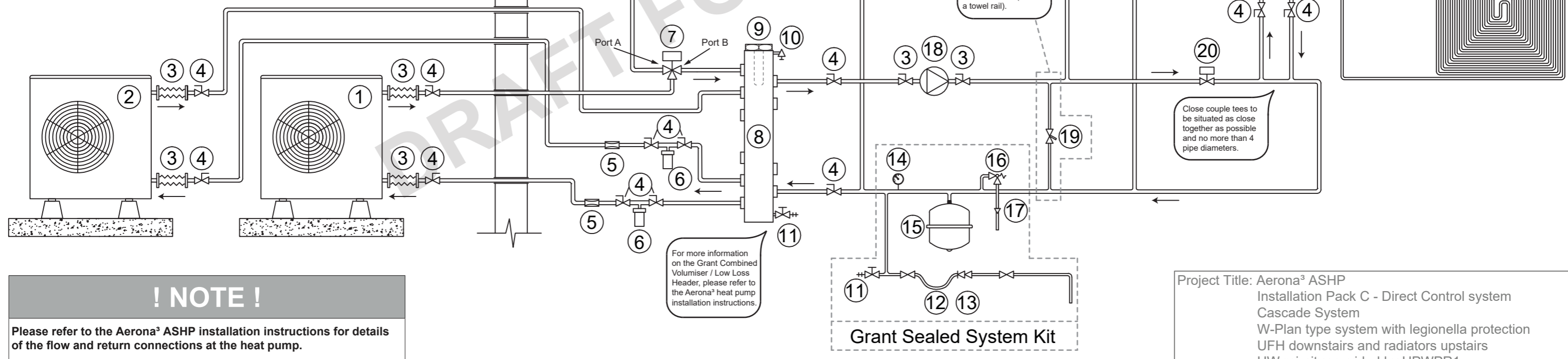
Automatic bypass required unless there is an open radiator on the radiator circuit (such as a towel rail).

Close couple tees to be situated as close together as possible and no more than 4 pipe diameters.

For more information on the Grant Combined Volumiser / Low Loss Header, please refer to the Aeronas heat pump installation instructions.

Item	Description
1	Aeronas ASHP (Lead Unit)
2	Aeronas ASHP (Supplementary Unit)
3	Flexible hose
4	Isolation valve
5	Flow setter (supplied with Aeronas ASHP) refer to Aeronas heat pump installation instructions to calculate required flow rate
6	Grant Mag One magnetic filter*
7	3-Port diverter valve*
8	Grant combined volumiser / low loss header*
9	Auxiliary backup heater (3kW immersion)*
10	Manual air vent*
11	Drain point*
12	Removable filling loop*
13	Double check valve*
14	Pressure gauge*
15	Expansion vessel*
16	Pressure relief valve*
17	Tundish*
18	Additional circulating pump
19	Automatic system bypass
20	Motorized 2-Port valve (UFH circuit)
21	Thermostatic mixing valve
22	UFH pump
23	UFH manifold
24	Grant UH8 wiring centre
25	Room thermostat (Grant NeoStat or Edge)
26	Thermostatic radiator valve
27	Motorized 2-Port valve (radiator circuit)
28	Automatic air vent
29	Immersion heater programmer*
30	Cylinder immersion heater
31	DHW sensor*
32	DHW cylinder
33	Grant DHW timer (HPIDTM4)*
34	Wiring centre
35	Grant Hot Water Priority Relay*
36	Grant EP002 ASHP interface (Lead Unit)
37	Grant EP002 ASHP interface (Supplementary Unit)
38	ASHP remote controller (Lead Unit) (supplied with Aeronas ASHP)
39	ASHP remote controller (Supplementary Unit) (supplied with Aeronas ASHP)

\* Supplied with HPIDR32PACKC



**! NOTE !**  
Please refer to the Aeronas ASHP installation instructions for details of the flow and return connections at the heat pump.

**! NOTE !**  
This system schematic should be read in conjunction with the Aeronas ASHP installation instructions and wiring diagram HPCS-C004E.

Project Title: Aeronas ASHP Installation Pack C - Direct Control system Cascade System W-Plan type system with legionella protection UFH downstairs and radiators upstairs HW priority provided by HPWPR1 (system schematic)	
Drawing Set: Aeronas Control System Schematics	Dwg. No: HPCS-C004S
Status: Awaiting approval	Revision: 1.1
Rev Date: 30/01/24   Drawn By: AC	Checked By: NS
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