

Item	Description
1	Aerona ³ ASHP (Lead Unit)
2	Aerona ³ ASHP (Supplementary Unit)
3	Flexible hose
4	Isolation valve
5	Flow setter (supplied with Aerona ³ ASHP) <i>refer to Aerona³ heat pump installation instructions to calculate required flow rate</i>
6	Grant Mag One magnetic filter*
7	2-Port diverter valve (Master)
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	Motorized 2-Port valve (DHW)
29	Automatic air vent
30	Immersion heater programmer*
31	Cylinder immersion heater
32	Cylinder dual thermostat
33	DHW cylinder
34	Grant DHW timer (HPIDTM4)*
35	Grant EP001/EP001X wiring centre*
36	Grant EP002 ASHP interface (Supplementary Unit)
37	ASHP remote controller (Lead Unit) (supplied with Aerona ³ ASHP)
38	ASHP remote controller (Supplementary Unit) (supplied with Aerona ³ ASHP)

* Supplied with HPIDR32PACKA

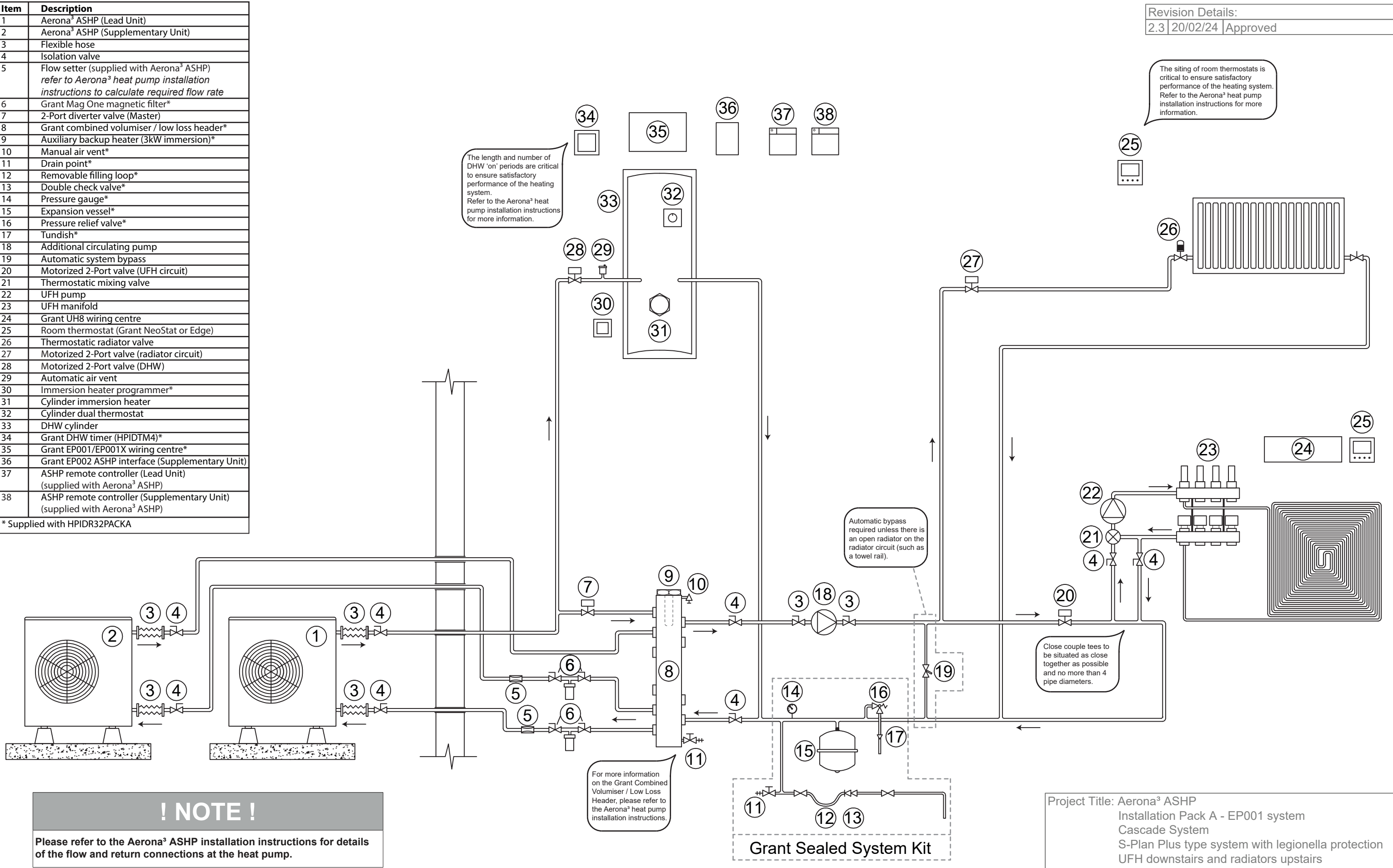
The siting of room thermostats is critical to ensure satisfactory performance of the heating system. Refer to the Aerona³ heat pump installation instructions for more information.

The length and number of DHW 'on' periods are critical to ensure satisfactory performance of the heating system. Refer to the Aerona³ 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 Aerona³ heat pump installation instructions.



! NOTE !
Please refer to the Aerona³ 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 Aerona³ ASHP installation instructions and wiring diagram HPCS-A007E.

Project Title: Aerona ³ ASHP Installation Pack A - EP001 system Cascade System S-Plan Plus type system with legionella protection UFH downstairs and radiators upstairs HW priority provided by EP001 wiring centre (system schematic)	
Drawing Set: Aerona ³ Control System Schematics	Dwg. No: HPCS-A007S
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