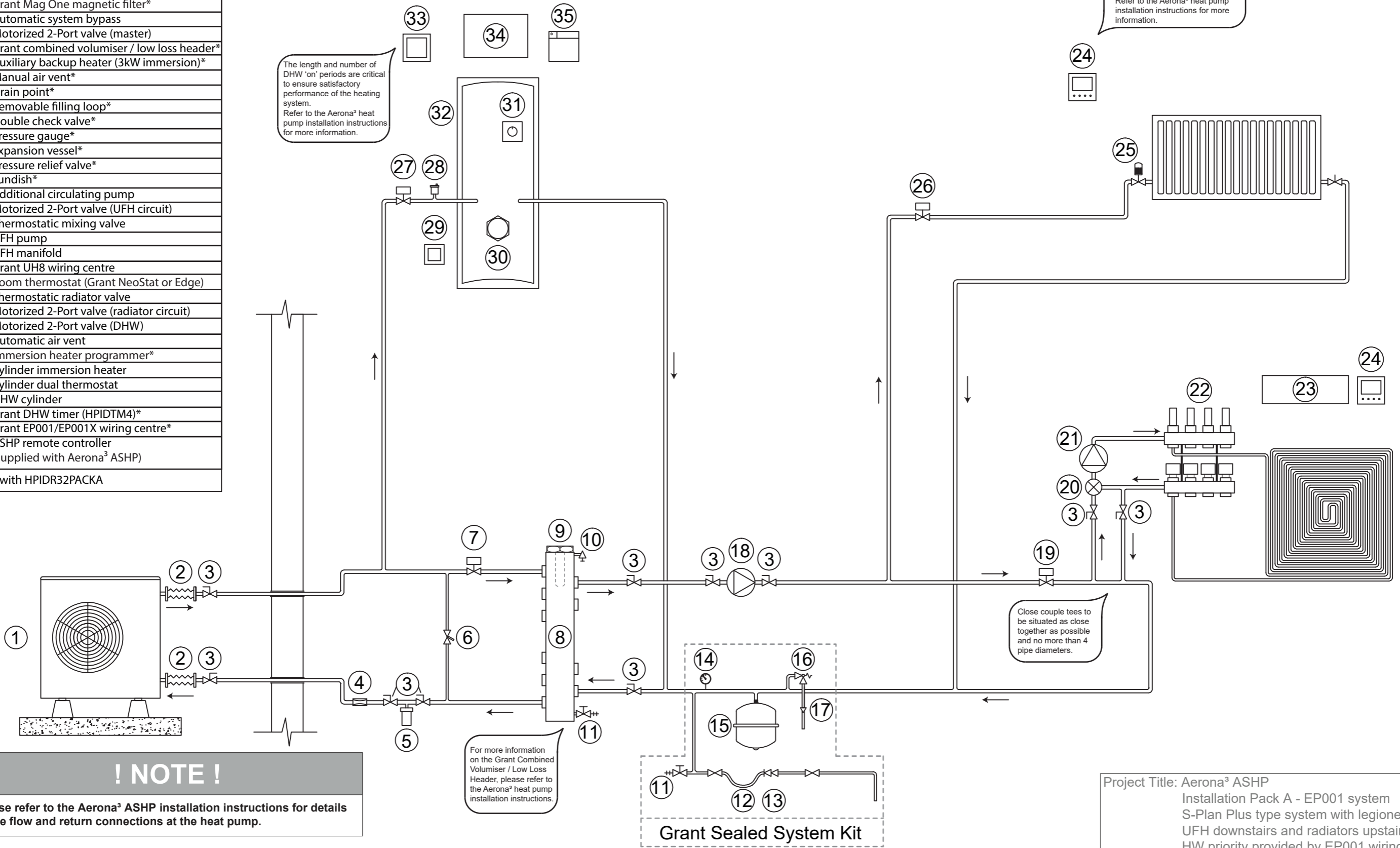


Item	Description
1	Aerona ³ ASHP
2	Flexible hose
3	Isolation valve
4	Flow setter (supplied with Aerona ³ ASHP) <i>refer to Aerona³ heat pump installation instructions to calculate required flow rate</i>
5	Grant Mag One magnetic filter*
6	Automatic system bypass
7	Motorized 2-Port valve (master)
8	Grant 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	Motorized 2-Port valve (UFH circuit)
20	Thermostatic mixing valve
21	UFH pump
22	UFH manifold
23	Grant UH8 wiring centre
24	Room thermostat (Grant NeoStat or Edge)
25	Thermostatic radiator valve
26	Motorized 2-Port valve (radiator circuit)
27	Motorized 2-Port valve (DHW)
28	Automatic air vent
29	Immersion heater programmer*
30	Cylinder immersion heater
31	Cylinder dual thermostat
32	DHW cylinder
33	Grant DHW timer (HPIDTM4)*
34	Grant EP001/EP001X wiring centre*
35	ASHP remote controller (supplied with Aerona ³ ASHP)

* Supplied with HPIDR32PACKA

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.

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.



For more information on the Grant Combined Volumiser / Low Loss Header, please refer to the Aerona³ heat pump installation instructions.

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

! 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-A002E.

Project Title: Aerona ³ ASHP Installation Pack A - EP001 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-A002S
Status: Approved	Revision: 1.2
Rev Date: 29/03/22	Drawn By: CG
Checked By: NS & PS	

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