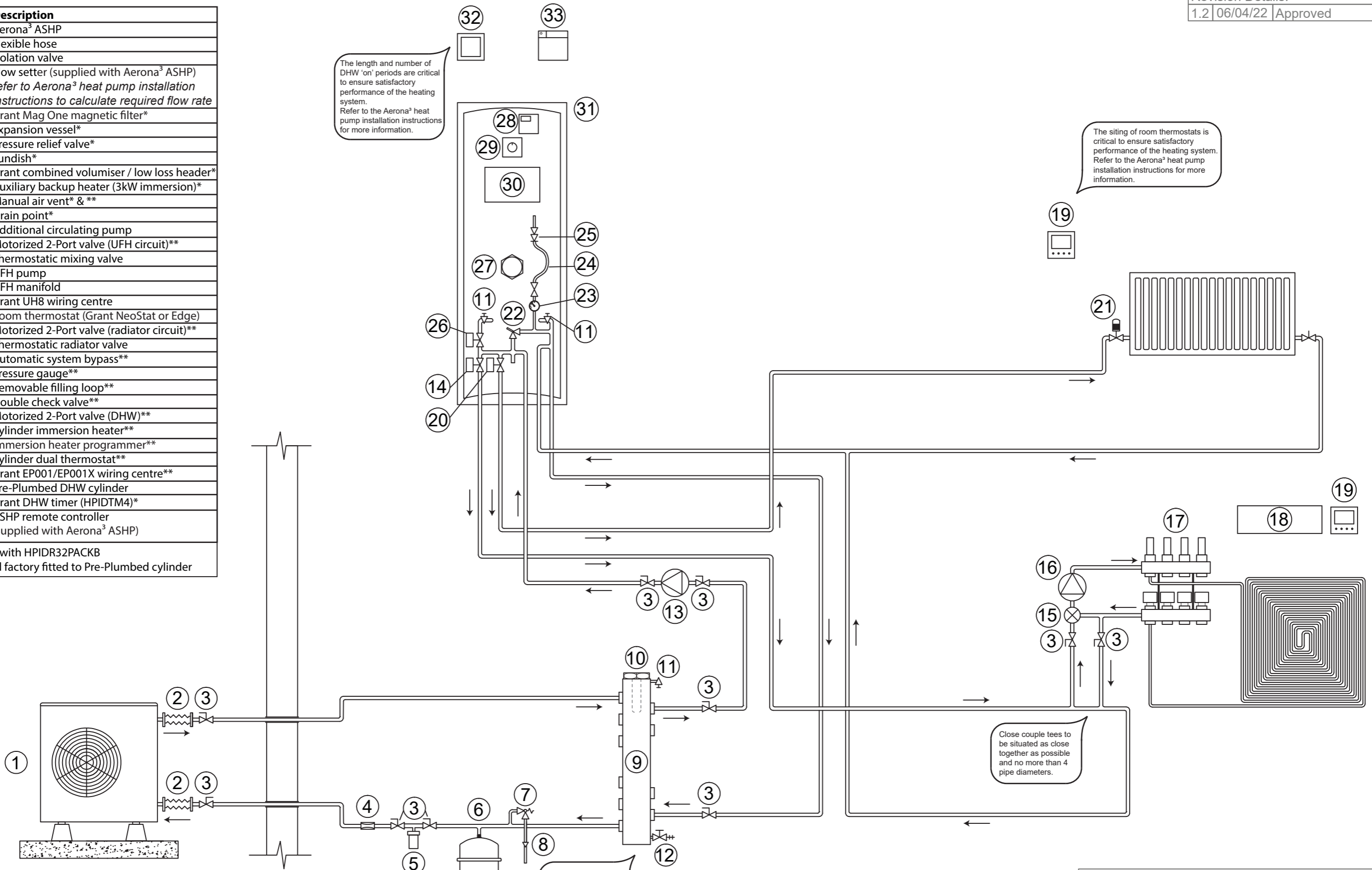


Item	Description
1	Aerona ³ ASHP
2	Flexible hose
3	Isolation valve
4	Flow setter (supplied with Aerona ³ ASHP) <i>refer to Aerona³ heat pump installation instructions to calculate required flow rate</i>
5	Grant Mag One magnetic filter*
6	Expansion vessel*
7	Pressure relief valve*
8	Tundish*
9	Grant combined volumiser / low loss header*
10	Auxiliary backup heater (3kW immersion)*
11	Manual air vent* & **
12	Drain point*
13	Additional circulating pump
14	Motorized 2-Port valve (UFH circuit)**
15	Thermostatic mixing valve
16	UFH pump
17	UFH manifold
18	Grant UH8 wiring centre
19	Room thermostat (Grant NeoStat or Edge)
20	Motorized 2-Port valve (radiator circuit)**
21	Thermostatic radiator valve
22	Automatic system bypass**
23	Pressure gauge**
24	Removable filling loop**
25	Double check valve**
26	Motorized 2-Port valve (DHW)**
27	Cylinder immersion heater**
28	Immersion heater programmer**
29	Cylinder dual thermostat**
30	Grant EP001/EP001X wiring centre**
31	Pre-Plumbed DHW cylinder
32	Grant DHW timer (HPIDTM4)*
33	ASHP remote controller (supplied with Aerona ³ ASHP)

* Supplied with HPIDR32PACKB
** Supplied factory fitted to Pre-Plumbed cylinder

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-B001E.

Project Title: Aerona ³ ASHP Installation Pack B - Pre-Plumbed Cylinder 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-B001S
Status: Approved	Revision: 1.2
Rev Date: 06/04/22	Drawn By: CG
Checked By: NS & PS	

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