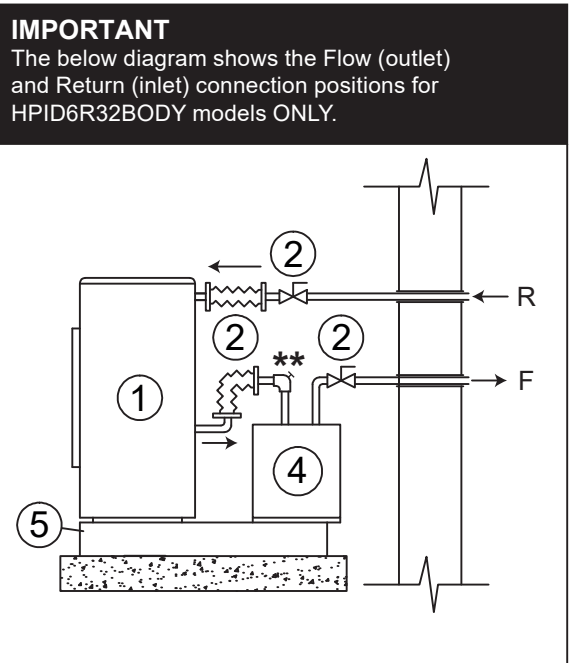
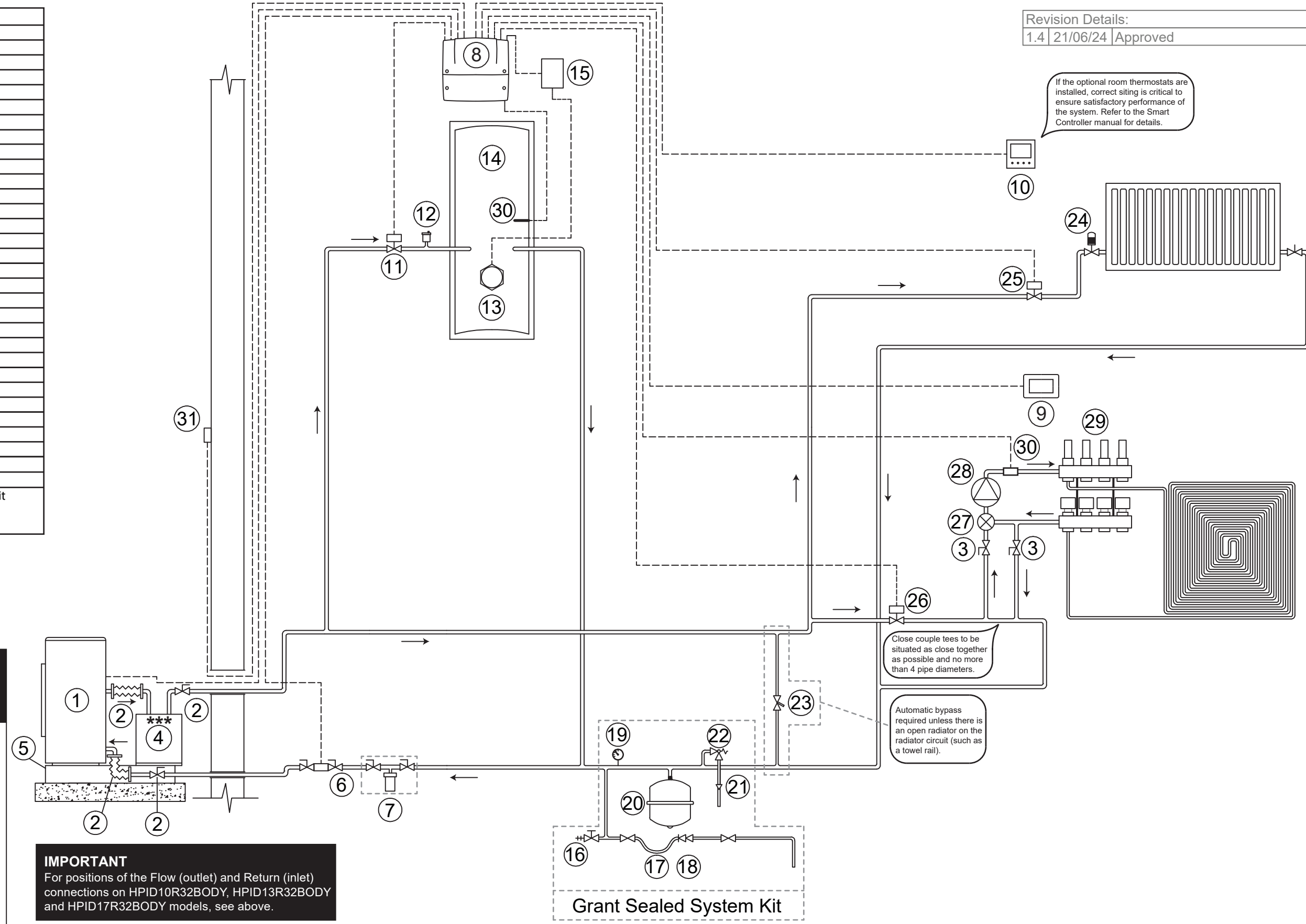


If the optional room thermostats are installed, correct siting is critical to ensure satisfactory performance of the system. Refer to the Smart Controller manual for details.

Item	Description
1	Aerona ³ ASHP
2	Flexible hoses & Isolation Valves ¹
3	Isolation valve
4	Grant Volumiser*** (optional)
5	Anti-Vibration Mounts ²
6	Flow sensor ¹
7	Grant Mag One magnetic filter kit ²
8	Wiring Centre ¹
9	Touchscreen display ¹
10	Room thermostat
11	Motorized 2-Port valve (DHW)
12	Automatic air vent
13	Cylinder immersion heater
14	DHW cylinder
15	Immersion heater relay ²
16	Drain point
17	Removable filling loop ²
18	Double check valve ²
19	Pressure gauge ²
20	Expansion vessel ²
21	Tundish
22	Pressure relief valve ²
23	Automatic bypass
24	Thermostatic Radiator valve
25	Motorized 2-Port valve (Radiator circuit)
26	Motorized 2-Port valve (UFH circuit)
27	Thermostatic mixing valve
28	UFH pump
29	UFH manifold
30	Water temperature sensor ¹
31	Outdoor weather sensor ¹

¹ Supplied with the HPIDR32SMART* Smart Controller Kit
*Outputs available: 6, 10, 13 & 17 kW
² Supplied with the HPIDR32PACKP



**Compression elbow c/w air vent (supplied with HPIDVOL30EXT6)

IMPORTANT
For positions of the Flow (outlet) and Return (inlet) connections on HPID10R32BODY, HPID13R32BODY and HPID17R32BODY models, see above.

***** ! NOTE !**
***30L external volumiser is available as an optional component where there is insufficient system volume (HPIDVOLEXT30).

! NOTE !
Please refer to the Aerona³ ASHP installation instructions for details of the flow and return connections at the heat pump.

! NOTE !
Grant Sealed System Kit

! NOTE !
For additional heater support from Grant External Volumiser, Refer to Grant Aerona Smart Controller installation manual and schematics HPCS-BUHS and HPCS-BUHE.

! NOTE !
This system schematic should be read in conjunction with the Grant Aerona Smart Controller installation instructions and wiring diagram HPCS-P001ER32.

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

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

Project Title: Grant Aerona Smart Controls Installation Pack P	
S-Plan Plus type system with legionella protection	
Radiators downstairs & upstairs	
HW priority & Legionella Protection from wiring centre (System schematic)	
Drawing Set: Aerona Smart Control System Schematics	Dwg. No: HPCS-P001SR32
Status: Approved	Revision: 1.4
Rev Date: 21/06/24	Drawn By: AC&DB
Checked By: NS	

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Scale: NTS
Paper Size: A3