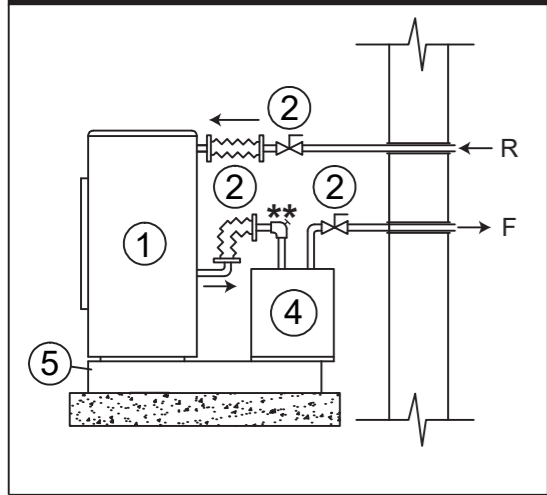


If the optional room thermostats are installed, correct siting is critical to ensure satisfactory performance of the system. Refer to the Smart Controller manual for details.

Item	Description
1	Aerona ASHP
2	Flexible hose & Isolation valve ¹
3	Isolation valve
4	Grant Volumiser*** (optional)
5	Anti-Vibration Mounts ²
6	Flow Sensor ¹
7	Grant Mag One magnetic filter ²
8	Wiring centre ¹
9	Touchscreen display ¹
10	Automatic air vent
11	Cylinder immersion heater
12	DHW cylinder
13	Immersion heater relay ²
14	Drain point
15	Removable filling loop ²
16	Double check valve ²
17	Pressure gauge ²
18	Expansion vessel ²
19	Tundish
20	Pressure relief valve ²
21	3-Port diverter valve ²
22	Thermostatic Mixing Valve
23	UFH Pump
24	UFH Manifold
25	Water Temperature Sensor ¹
26	Outdoor Weather Sensor ¹
27	Room thermostat

¹ Supplied with the HPIDR32SMART* Smart Controller Kit
* Outputs available: 6, 10, 13 & 17 kW
² Supplied with HPIDR32PACKR

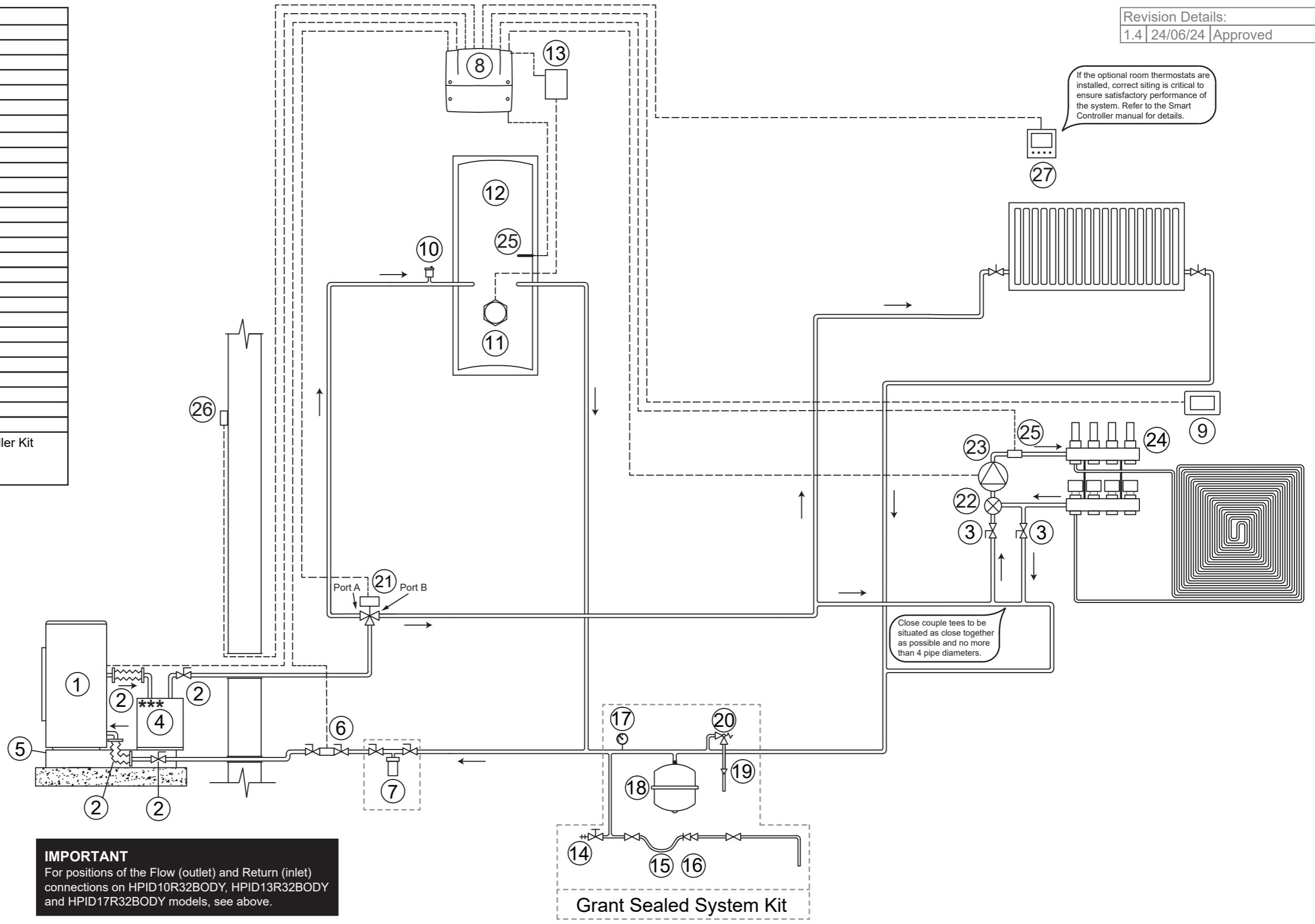
IMPORTANT
The below diagram shows the Flow (outlet) and Return (inlet) connection positions for HPID6R32BODY models ONLY.



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



Scale: NTS
Paper Size: A3



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 Aerona ASHP installation instructions for details of the flow and return connections at the heat pump.

! 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 Control installation instructions and wiring diagram HPCS-R001ER32.

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

Project Title: Grant Aerona Smart Controls Installation Pack R W-Plan Plus type system with legionella protection UFH downstairs - Radiators upstairs HW priority & Legionella protection provided by Smart Controller (System schematic)	
Drawing Set: Aerona Smart Control System Schematics	Dwg. No: HPCS-R001SR32
Status: Approved	Revision: 1.4
Rev Date: 24/06/24 Drawn By: DB&AC	Checked By: NS
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