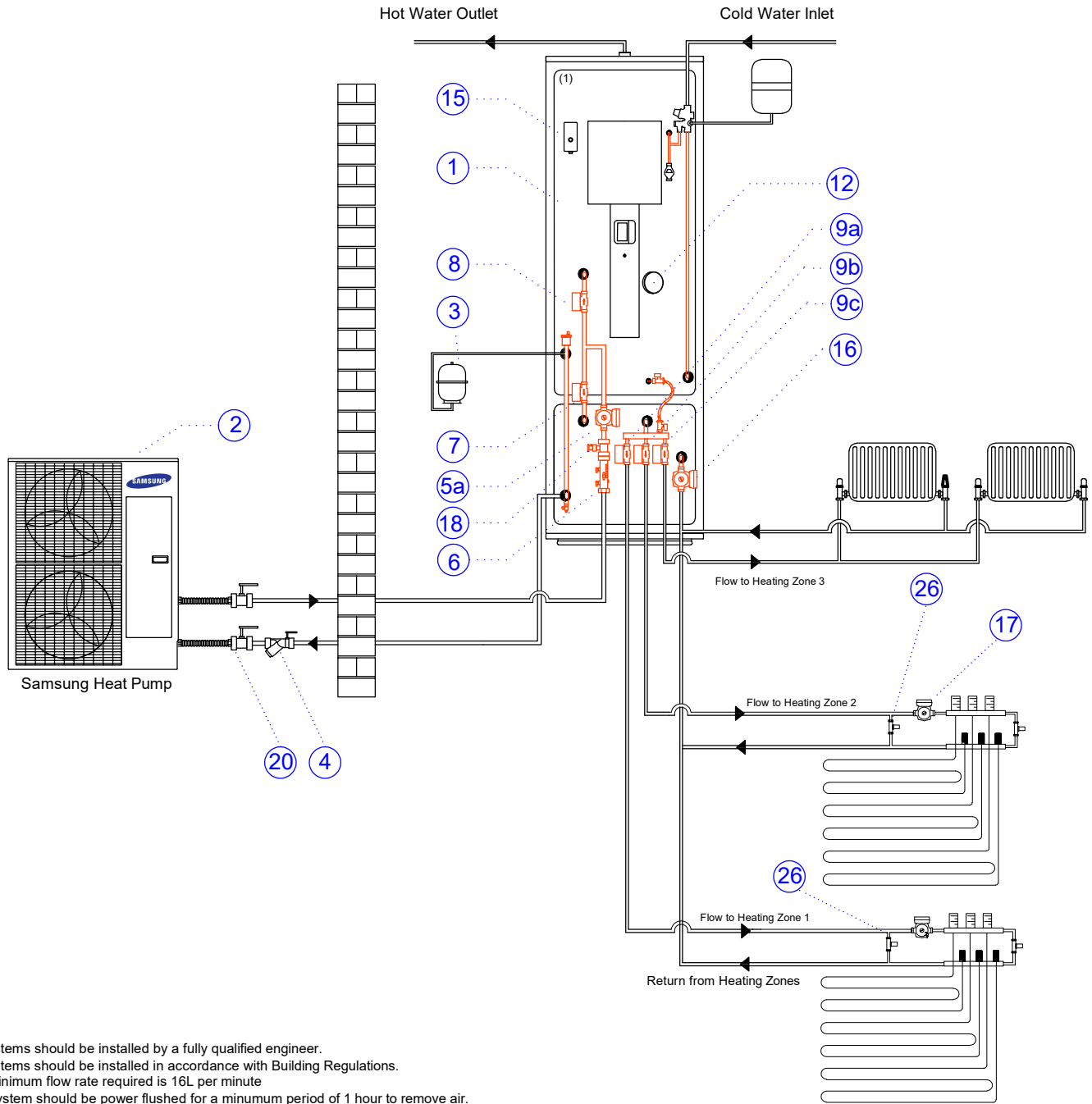


Smartplumb High Gain DHW / Buffer Cylinder



Notes: All systems should be installed by a fully qualified engineer.
 All systems should be installed in accordance with Building Regulations.
 The minimum flow rate required is 16L per minute
 The system should be power flushed for a minimum period of 1 hour to remove air.

— Preplumbed Pipework

— Pipework to be installed by Installer

- | | | |
|--------------------------------------------------------|-------------------------------------------------|------------------------------------------|
| (1) Joule Smartplumb DHW/ Buffer Cylinder | (8) 28mm DHW 2 Port Zone Valve | (14) Buffer Tank Stat (Where applicable) |
| (2) Samsung Heat Pump | (9a) 22mm 2 Port Zone Valve Heating Zone 1 | (15) DHW High Limit Stat |
| (3) Heating Expansion Vessel (Not Supplied) | (9b) 22mm 2 Port Zone Valve Heating Zone 2 | (16) Heating Zone Circulating Pump |
| (4) 28mm Y-Strainer | (9c) 22mm 2 Port Zone Valve Heating Zone 3 | (17) UFH Circulation Pump |
| (5a) Primary Pump Flow from Heat Pump | (10) DHW Heat Pump Stat Pocket | (18) Samsung Heat Pump Flow Switch |
| (5b) Primary Pump Return to Heat Pump (Where Required) | (11) Solar Probe Stat Pocket (Where applicable) | (19) 2 Pole 20A NO Relay |
| (6) Flow Regulator / Flush and Fill Unit | (12) DHW Immersion | (20) Isolation Valves |
| (7) 28mm Buffer 2 Port Zone Valve | (13) Buffer Tank Immersion (Where applicable) | (25) ELCB |
| | | (26) Automatic Bypass Valve |

CHKD: DN	DATE: 03/03/2020	CUSTOMER:	
DRN: DN	DATE: 03/03/2020	INTERNAL CODE: PP_ASHP_SP_2UFH_1RAD_M	
APP'D: DN	DATE: 03/03/2020	SCALE:	REV.: 00

Samsung Gen 6 Heat Pump
 Smartplumb 4 Zone
 2UFH_1RAD_1DHW

joule
 manufacturing excellence

