



Key

1. Boiler flow isolation valve (supplied only with ecoTEC)
2. Boiler return isolation valve (supplied only with ecoTEC)
3. Boiler safety valve (supplied only with ecoTEC)
4. Boiler shunt pump (supplied only with ecoTEC (internal))
5. Single check valve
6. Primary pressurisation unit
7. Primary expansion vessel
8. Heating pumps
9. Heating motorised valve
10. Heating circuit mixing valve
11. Auto-bypass valve
12. Cylinder primary pump
13. Cylinder motorised valve
14. Dirt separator or strainer
15. Low plate heat exchanger (available as an accessory)

16. System flow VR 10 sensor (supplied with VRC 70 or 71)
17. Heating circuit VR 10 sensor (supplied with VR 70 or 71)
18. Cylinder VR 10 sensor (supplied with VR 70 or 71)
19. Cylinder high limit thermostat (supplied only with uniSTOR cylinder)

Note: items are not supplied by Vaillant unless stated

Wiring Colours

1. Purple – eBUS
2. Light green – sensors
3. light blue – 230 volt

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1. Purple – eBUS, 2. Light green – sensors, 3. light blue – 230 volt



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Hydraulic schematic showing a Vaillant VRC 700 controller +  
VR71 + 3 x VR91 + 2 x ecoTEC 48 + Plate + 3 x Mixed CH  
+ DHW + Split Pres

Customer: Rob Berridge Heating Design Company Project: The Priory, Ware

Commercial Heating Division	SIZE A3	DATE 19/08/2020	DWG NO DMJ1776-H	REV 0
Drawn by: David Myddleton-Jones	SCALE NTS	SHEET 1 OF 1		