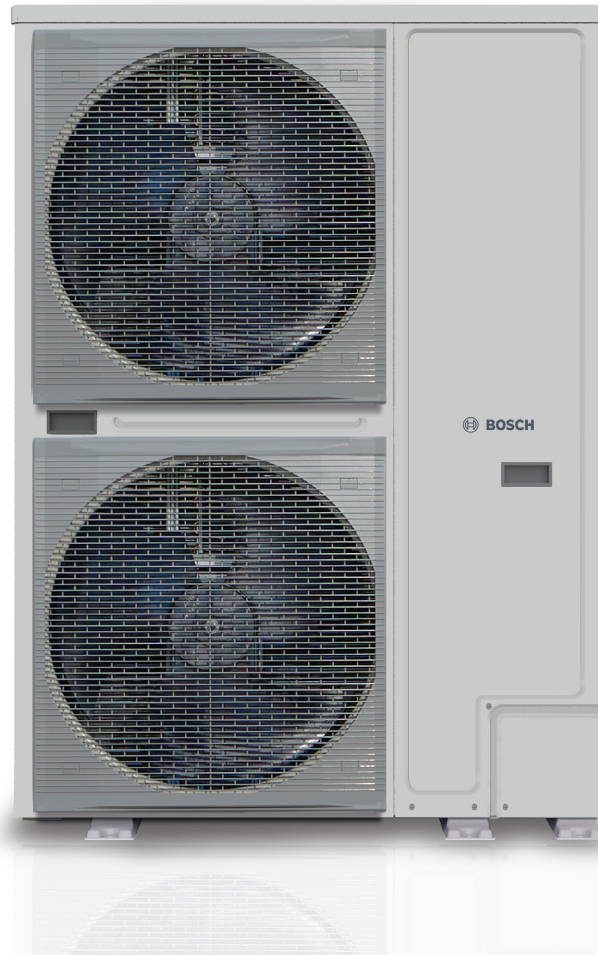


# Compress 2000

## System schematic and wiring diagrams

18kW to 30kW.





## Compress 2000 18 - 30kW

### Standard systems

### System Wiring

CS2000 AWF R-T open circuit, DHW without buffer

CS2000 AWF R-T multi zone, DHW buffer & 3rd party controls

CS 2000 AWF R-T heating only without buffer
















CS2000 AWF R-T heating only multi zone with buffer

### Cascaded

CS2000 AWF R-T- cascaded, DHW, 3rd party controls

CS2000 AWF R-T- cascaded heating only with 3rd party controls



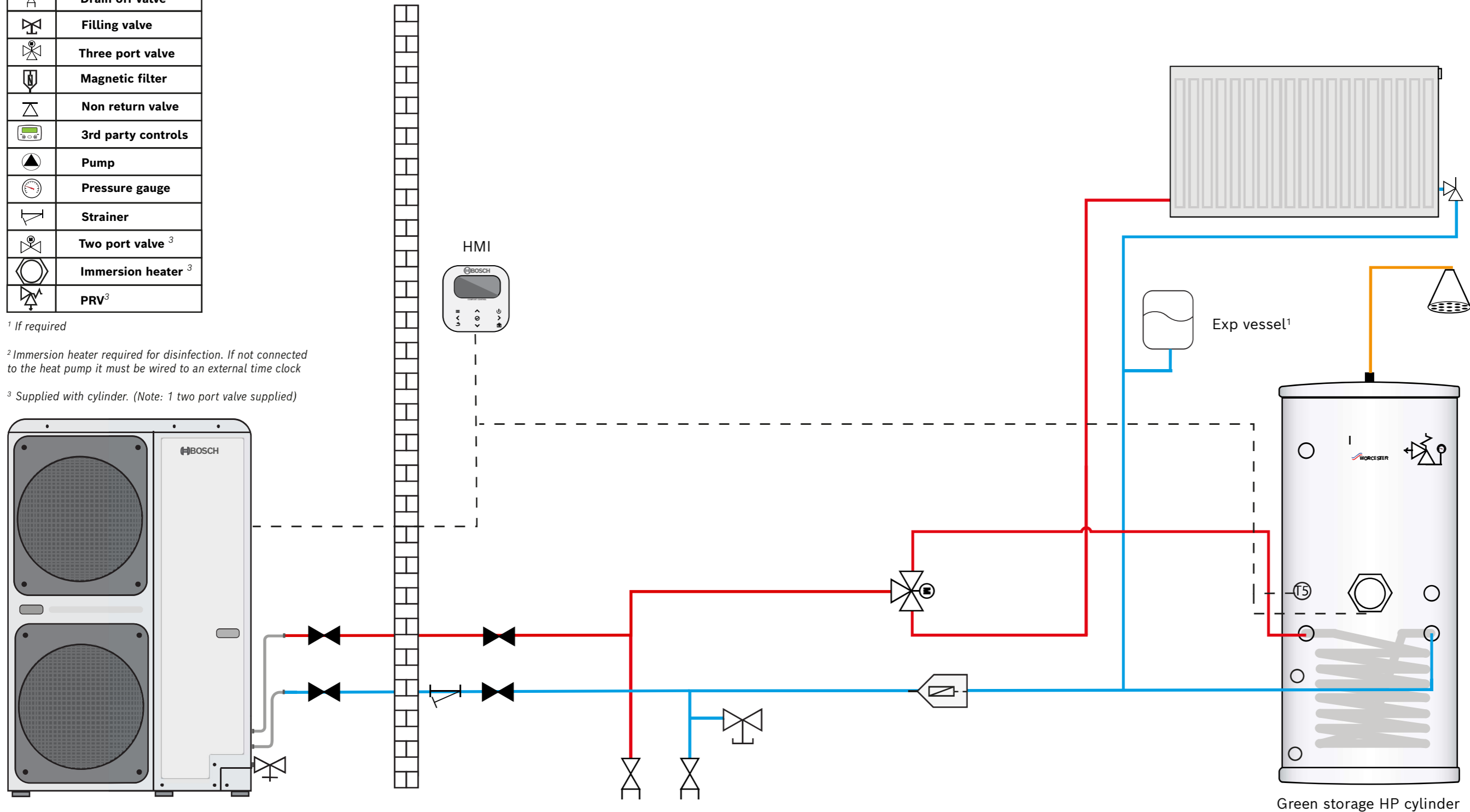
Key	Description
	Antifreeze valve
	T1, T5, Tbt1 sensors
	Isolation valve
	Drain off valve
	Filling valve
	Three port valve
	Magnetic filter
	Non return valve
	3rd party controls
	Pump
	Pressure gauge
	Strainer
	Two port valve <sup>3</sup>
	Immersion heater <sup>3</sup>
	PRV <sup>3</sup>

<sup>1</sup> If required

<sup>2</sup> Immersion heater required for disinfection. If not connected to the heat pump it must be wired to an external time clock

<sup>3</sup> Supplied with cylinder. (Note: 1 two port valve supplied)

CS2000AWF 18 R-T to 30 R-T ensure a minimum system volume of 100L.

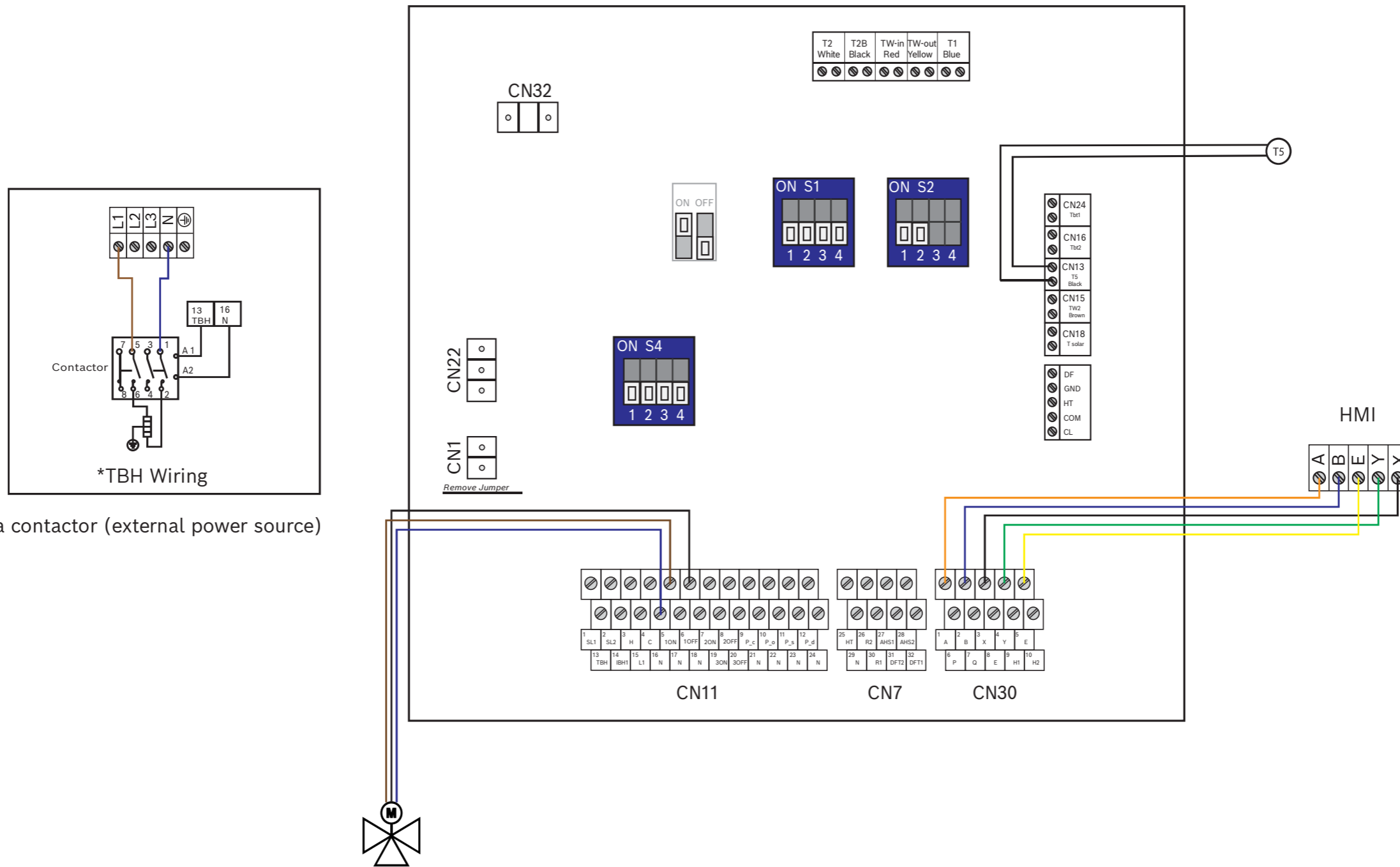


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For further information or assistance please contact:  
 Email: [system.design@uk.bosch.com](mailto:system.design@uk.bosch.com) Tel: 01905751464



\*TBH Wiring

\*Wired through a contactor (external power source)

If a third party diverter valve is used wiring and orientation may differ. Seek advice for compatible products

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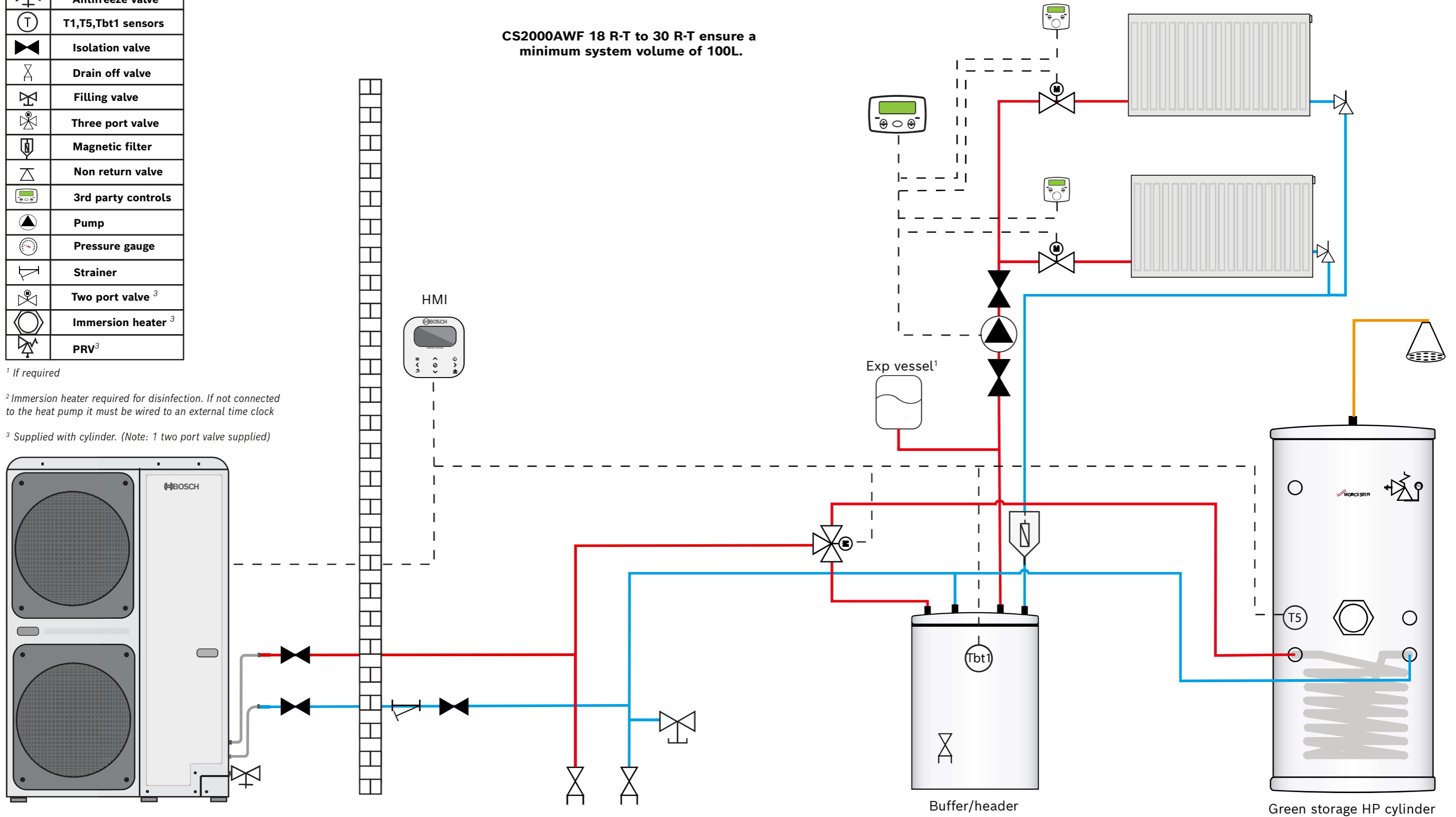
Key	Description
	Antifreeze valve
	T1, T5, Tbt1 sensors
	Isolation valve
	Drain off valve
	Filling valve
	Three port valve
	Magnetic filter
	Non return valve
	3rd party controls
	Pump
	Pressure gauge
	Strainer
	Two port valve <sup>3</sup>
	Immersion heater <sup>3</sup>
	PRV <sup>3</sup>

<sup>1</sup> If required

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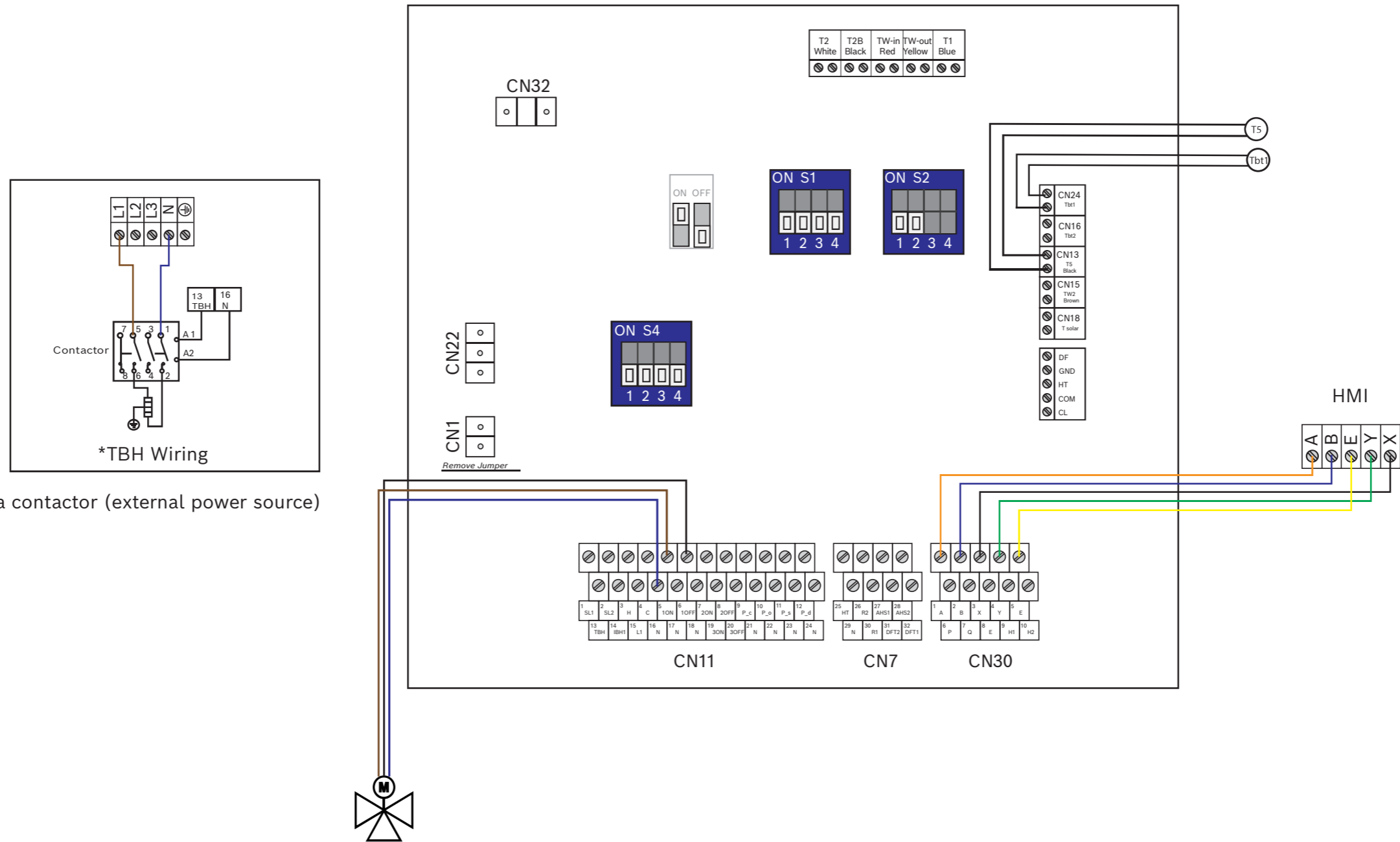


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






\*Wired through a contactor (external power source)

If a third party diverter valve is used wiring and orientation may differ. Seek advice for compatible products

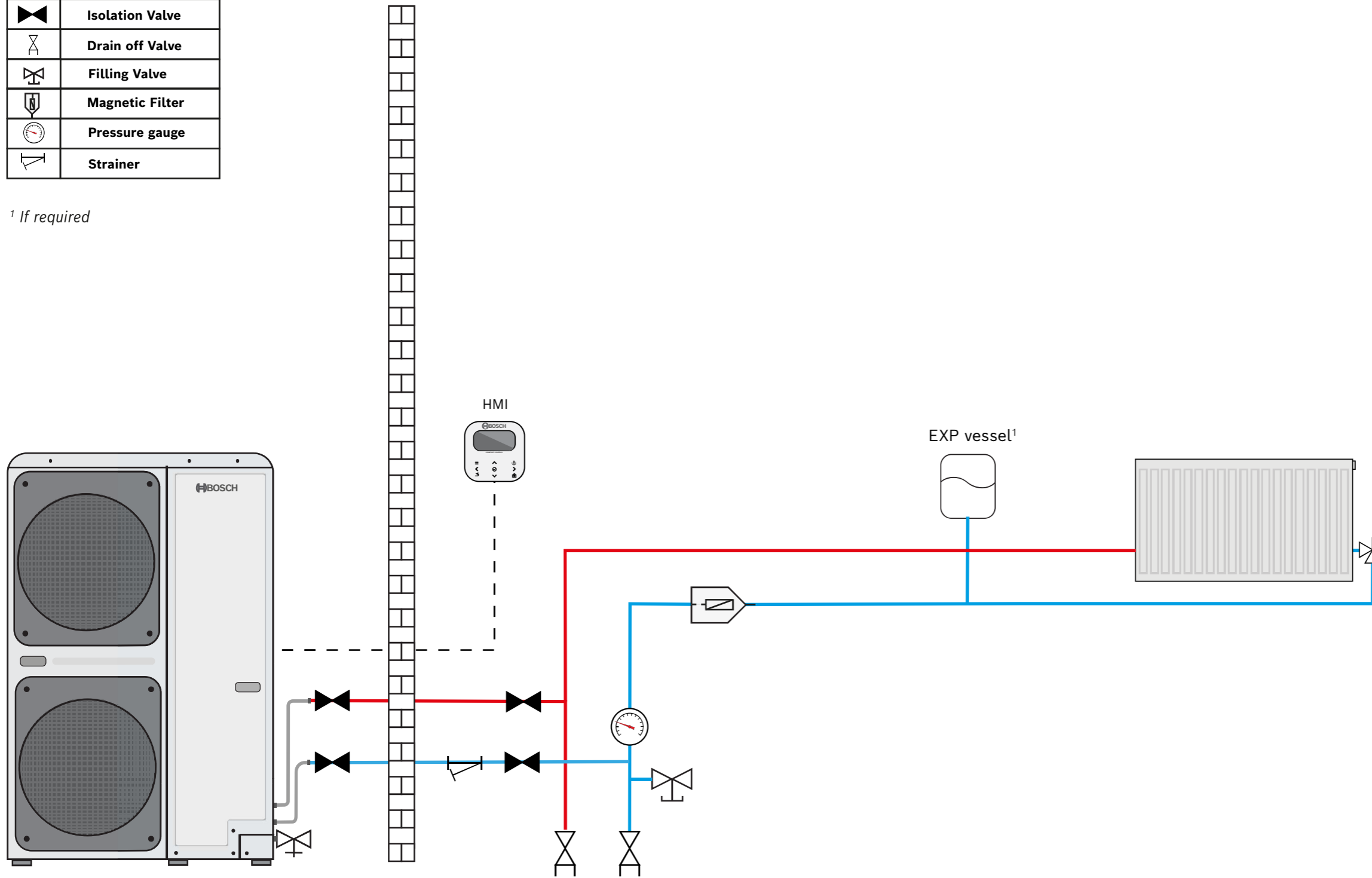
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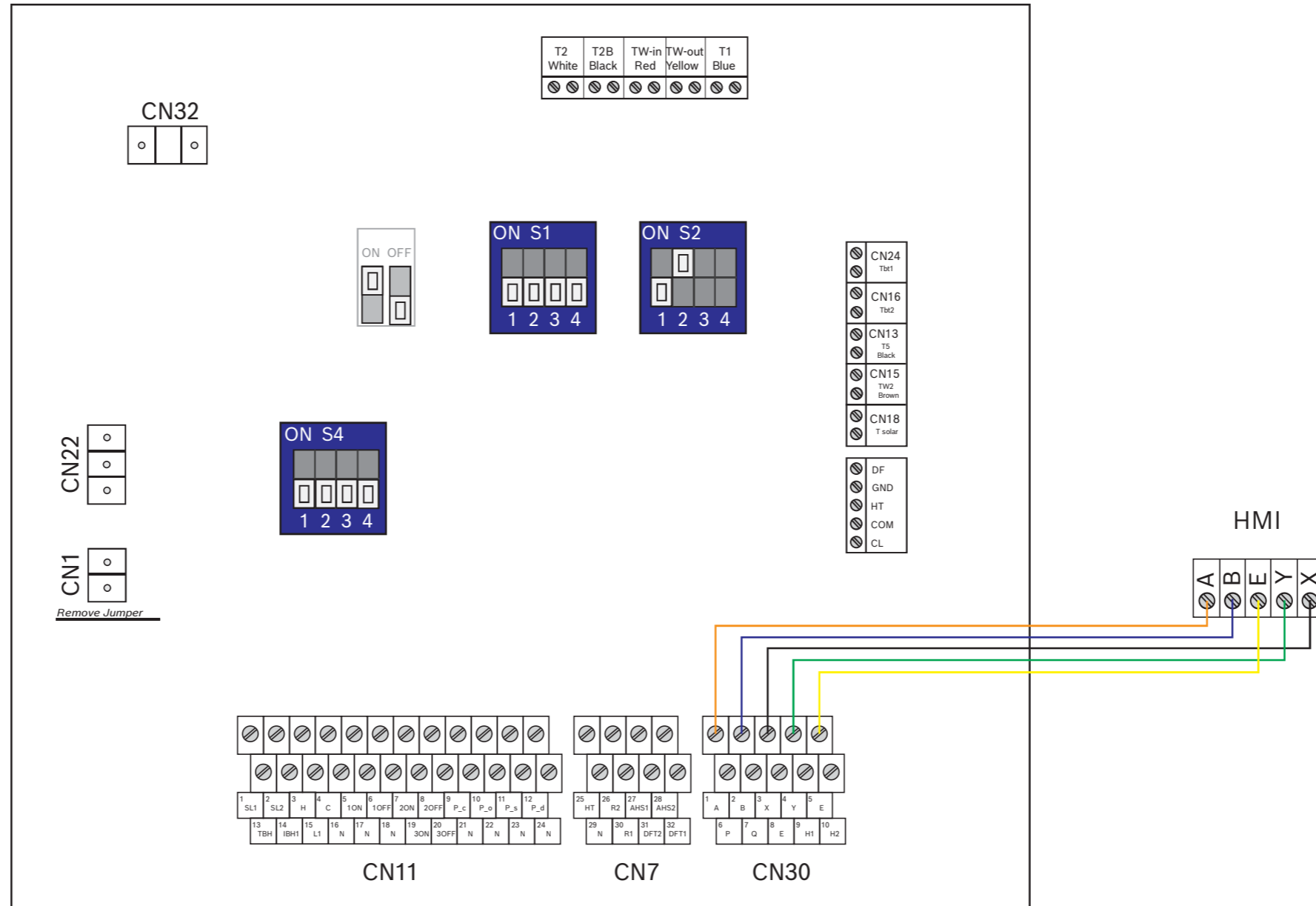
Key	Description
	Antifreeze Valve
	Isolation Valve
	Drain off Valve
	Filling Valve
	Magnetic Filter
	Pressure gauge
	Strainer

CS2000AWF 4 R-S to 6 R-S ensure a minimum system volume of 30L. CS2000AWF 8 R-S to 16 R-S ensure a minimum system volume of 70L

<sup>1</sup> If required



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

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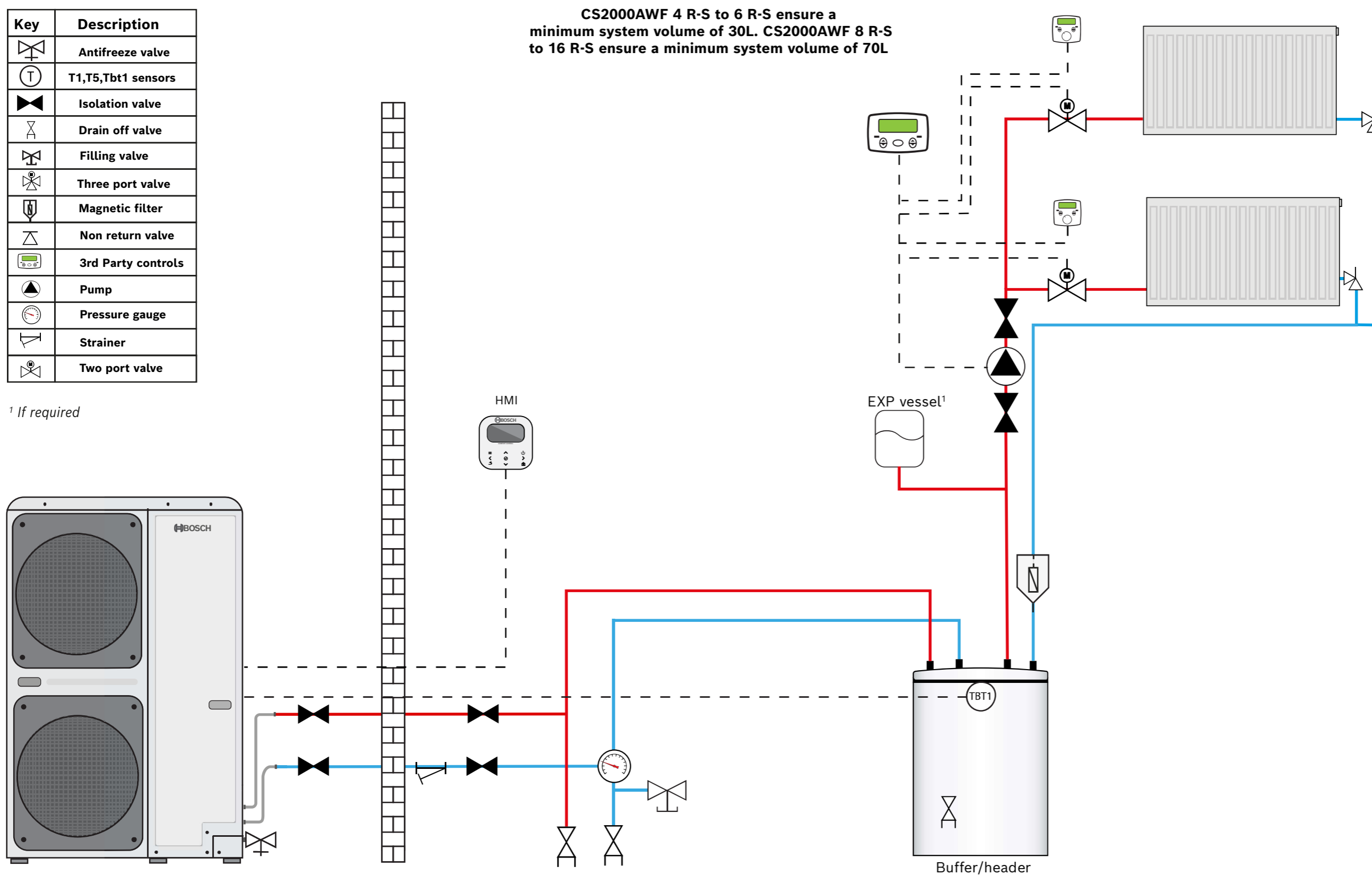
Email: [system.design@uk.bosch.com](mailto:system.design@uk.bosch.com) Tel: 01905751464





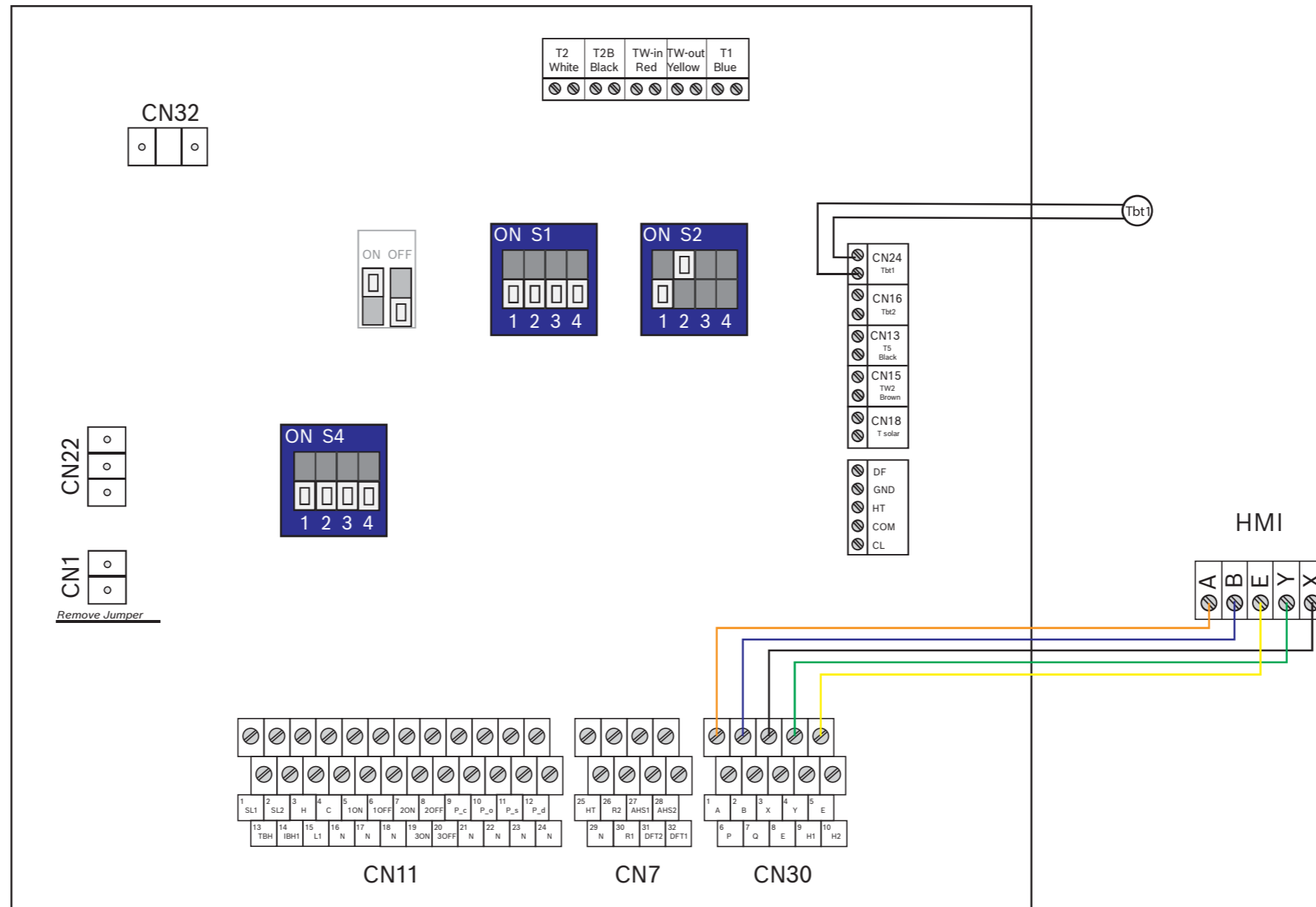
Key	Description
	Antifreeze valve
	T1, T5, Tbt1 sensors
	Isolation valve
	Drain off valve
	Filling valve
	Three port valve
	Magnetic filter
	Non return valve
	3rd Party controls
	Pump
	Pressure gauge
	Strainer
	Two port valve

<sup>1</sup> If required



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





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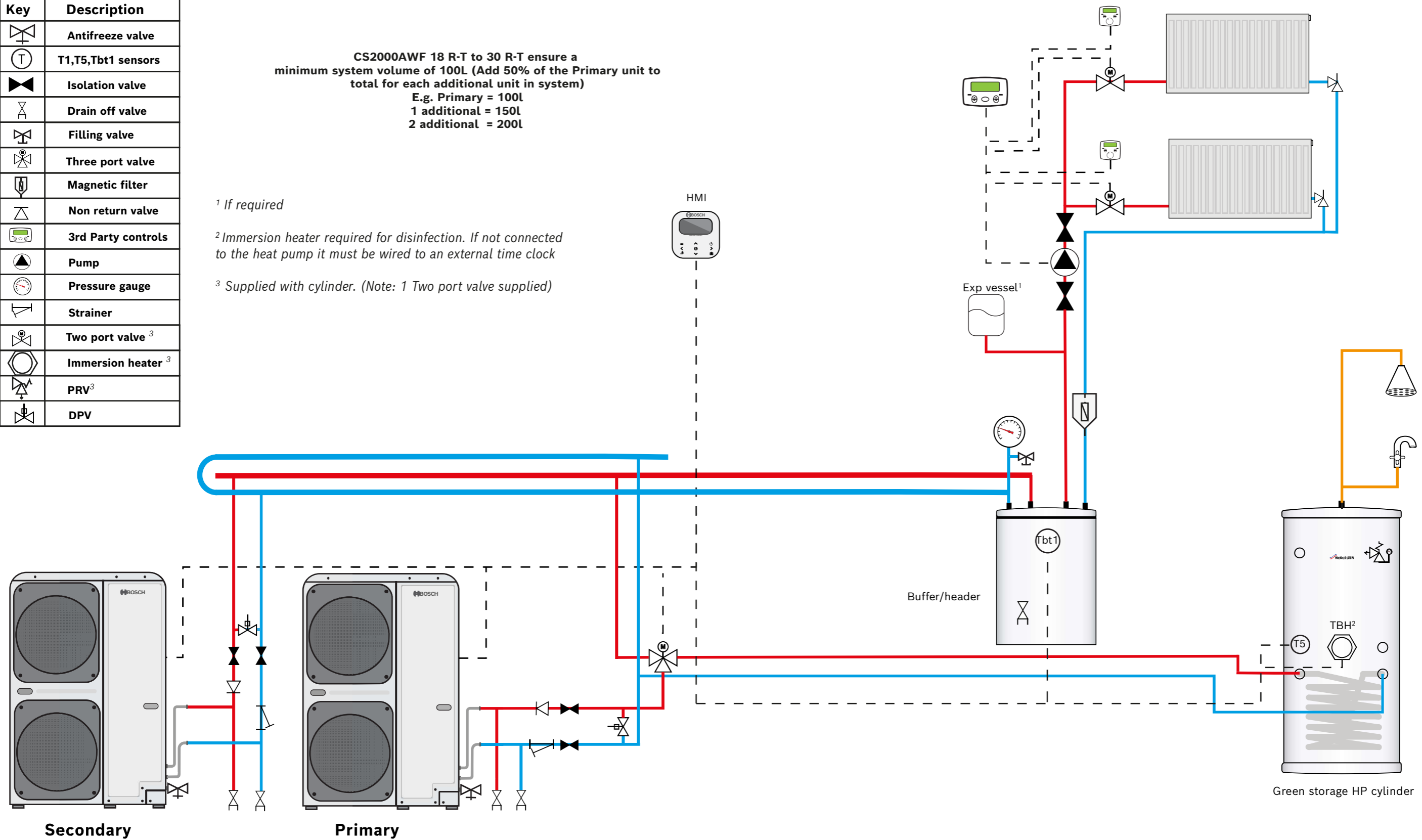
Key	Description
	Antifreeze valve
	T1, T5, Tbt1 sensors
	Isolation valve
	Drain off valve
	Filling valve
	Three port valve
	Magnetic filter
	Non return valve
	3rd Party controls
	Pump
	Pressure gauge
	Strainer
	Two port valve <sup>3</sup>
	Immersion heater <sup>3</sup>
	PRV <sup>3</sup>
	DPV

CS2000AWF 18 R-T to 30 R-T ensure a minimum system volume of 100L (Add 50% of the Primary unit to total for each additional unit in system)  
 E.g. Primary = 100L  
 1 additional = 150L  
 2 additional = 200L

<sup>1</sup> If required

<sup>2</sup> Immersion heater required for disinfection. If not connected to the heat pump it must be wired to an external time clock

<sup>3</sup> Supplied with cylinder. (Note: 1 Two port valve supplied)



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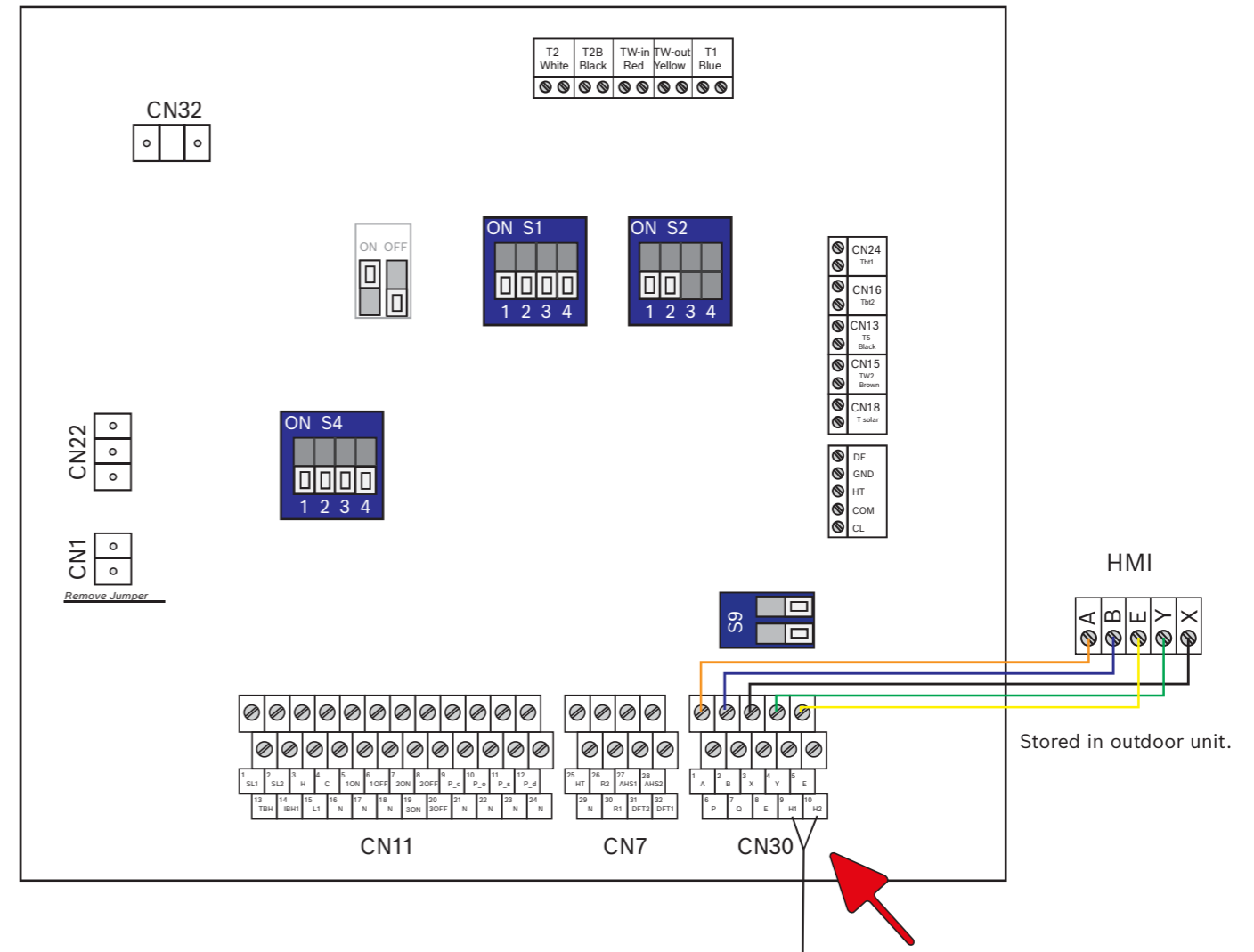
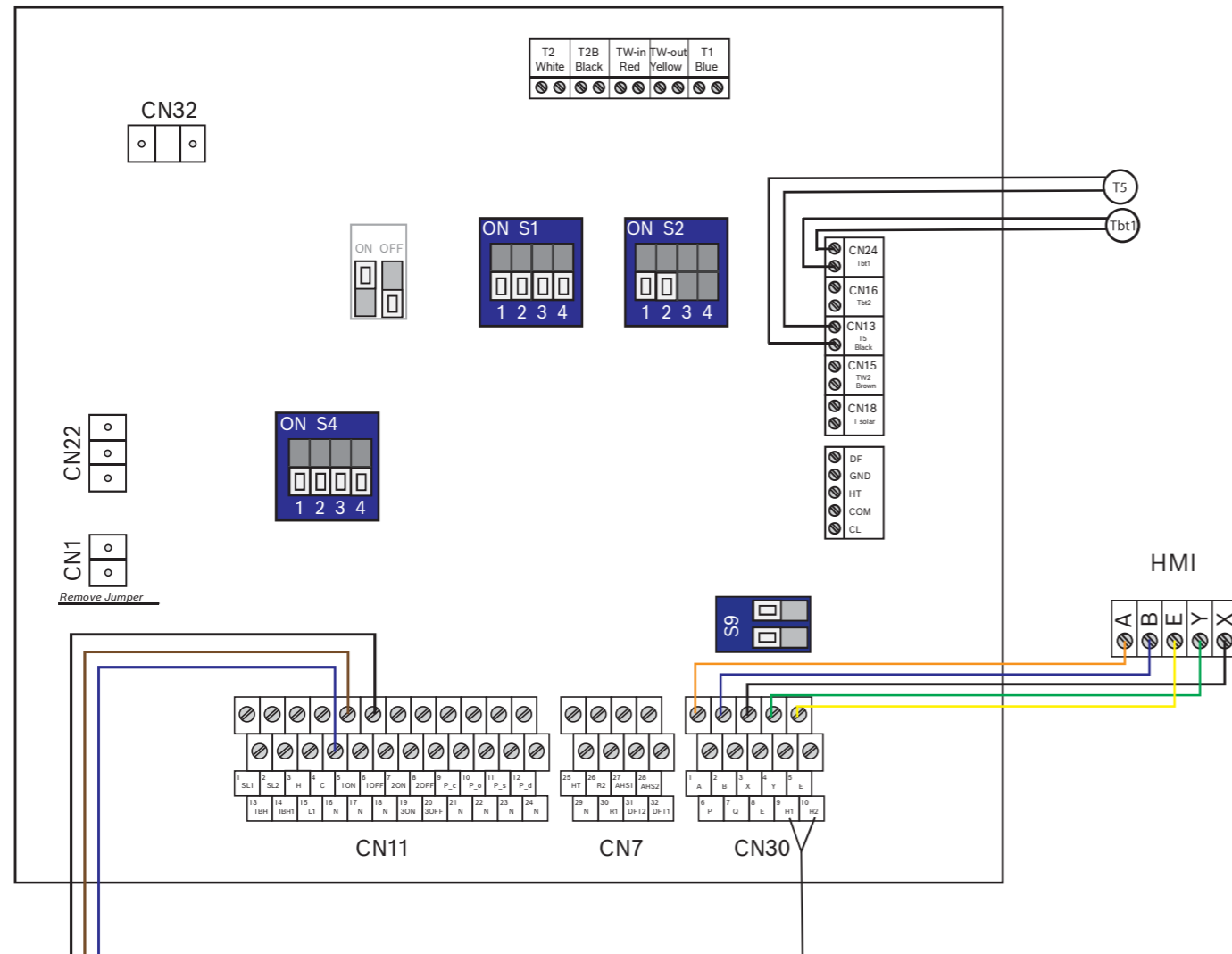
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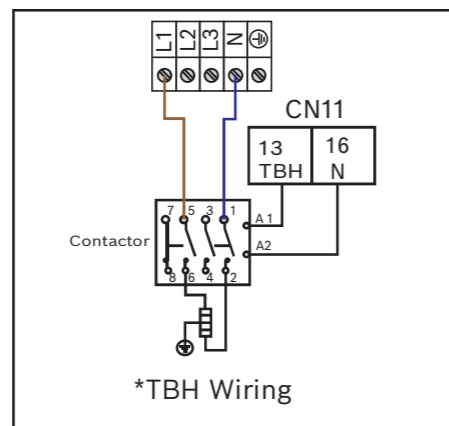
## Primary

## Secondary

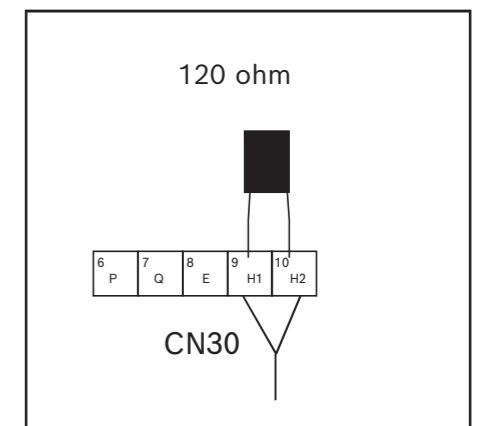


Shielded cable to be used for communication (Shielding must be earthed)

If a third party diverter valve is used wiring and orientation may differ. Seek advice for compatible products



\*Wired through a contactor (external power source)



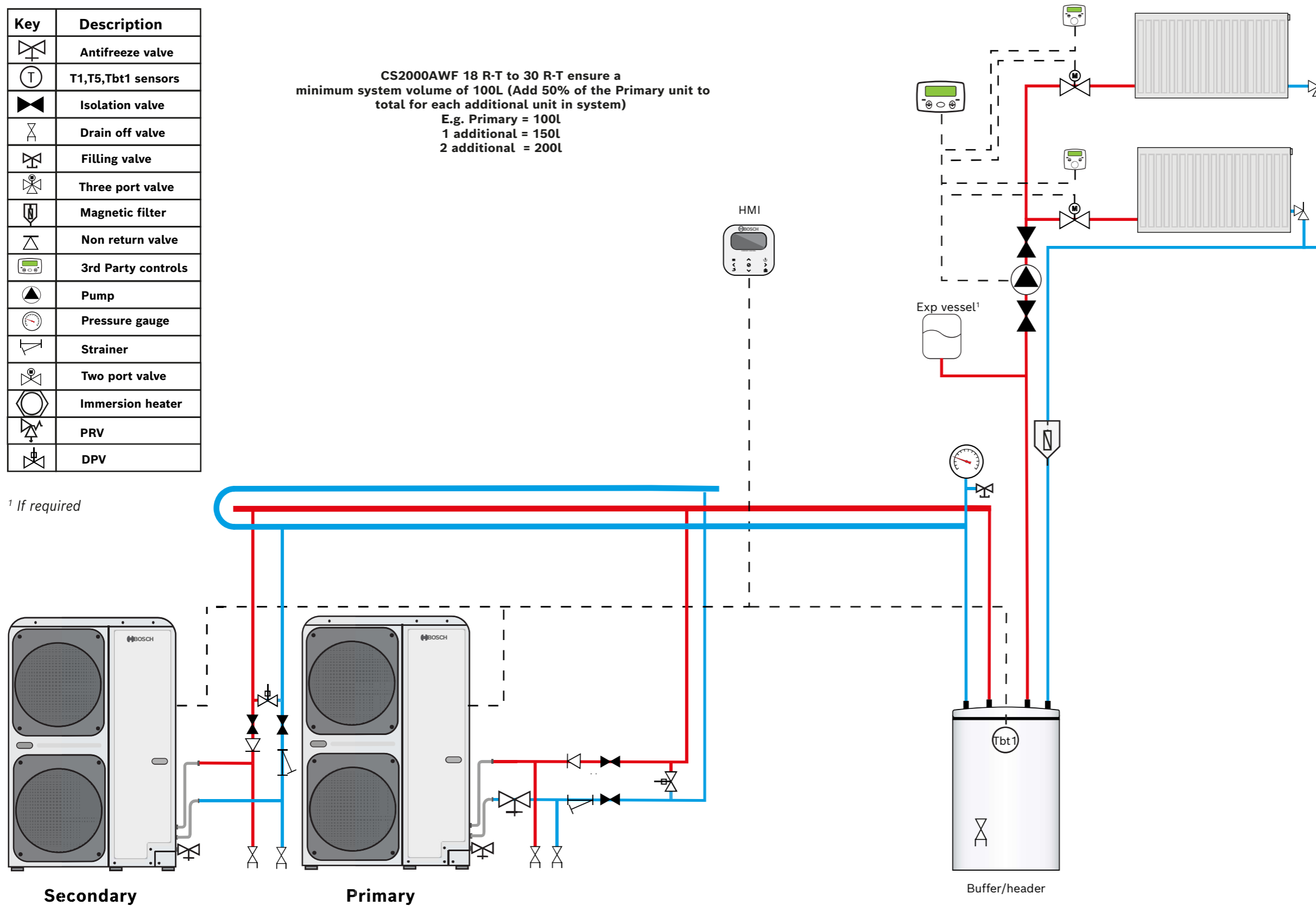
\*Connect 120 ohm resistor provided to the final unit in cascade.

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	Strainer
	Two port valve
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	DPV

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 E.g. Primary = 100L  
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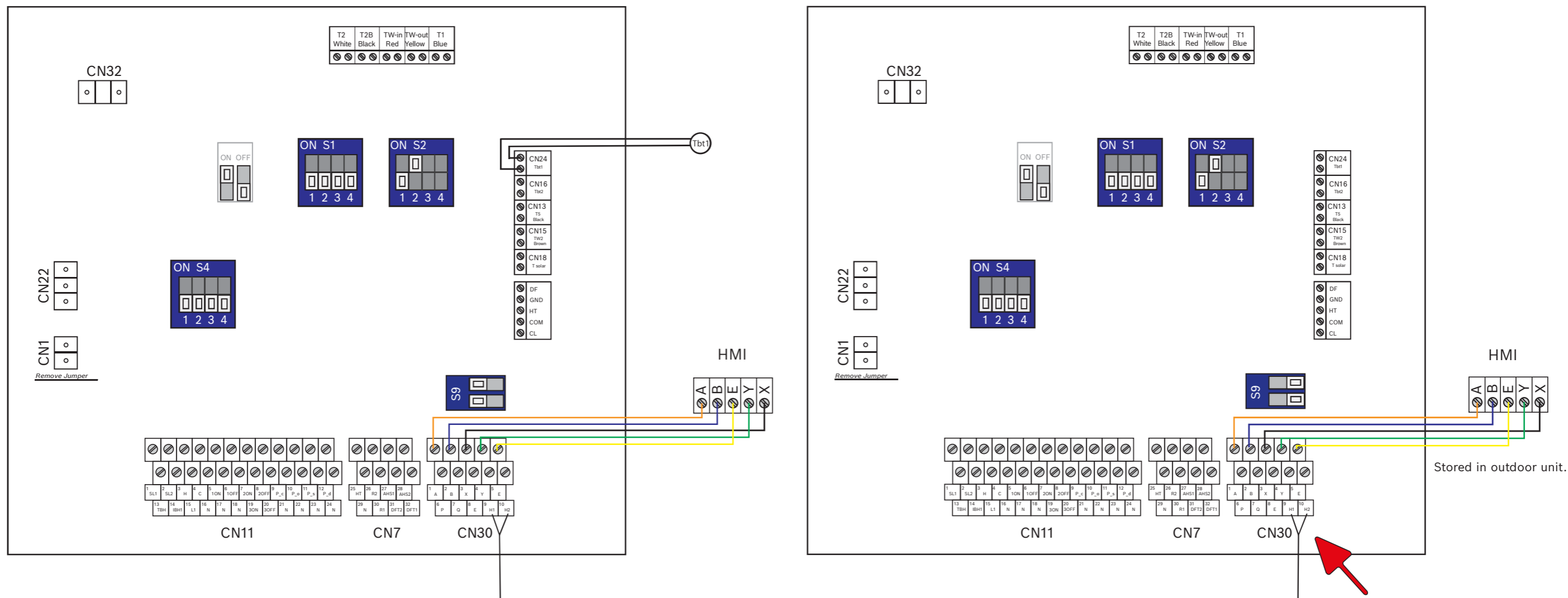


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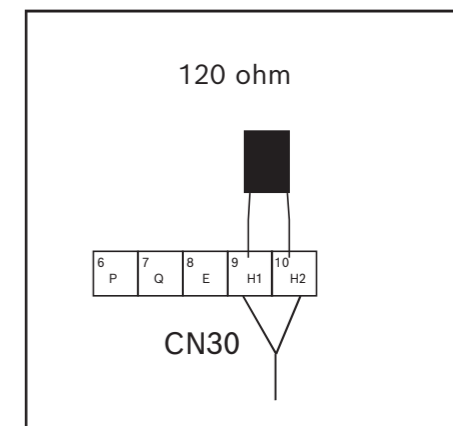


## Primary

## Secondary



Shielded cable to be used for communication (Shielding must be earthed)



\*Connect 120 ohm resistor provided to the final unit in cascade.

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