

VC series motorized valves

2-port zone valves and 3-port diverter valves

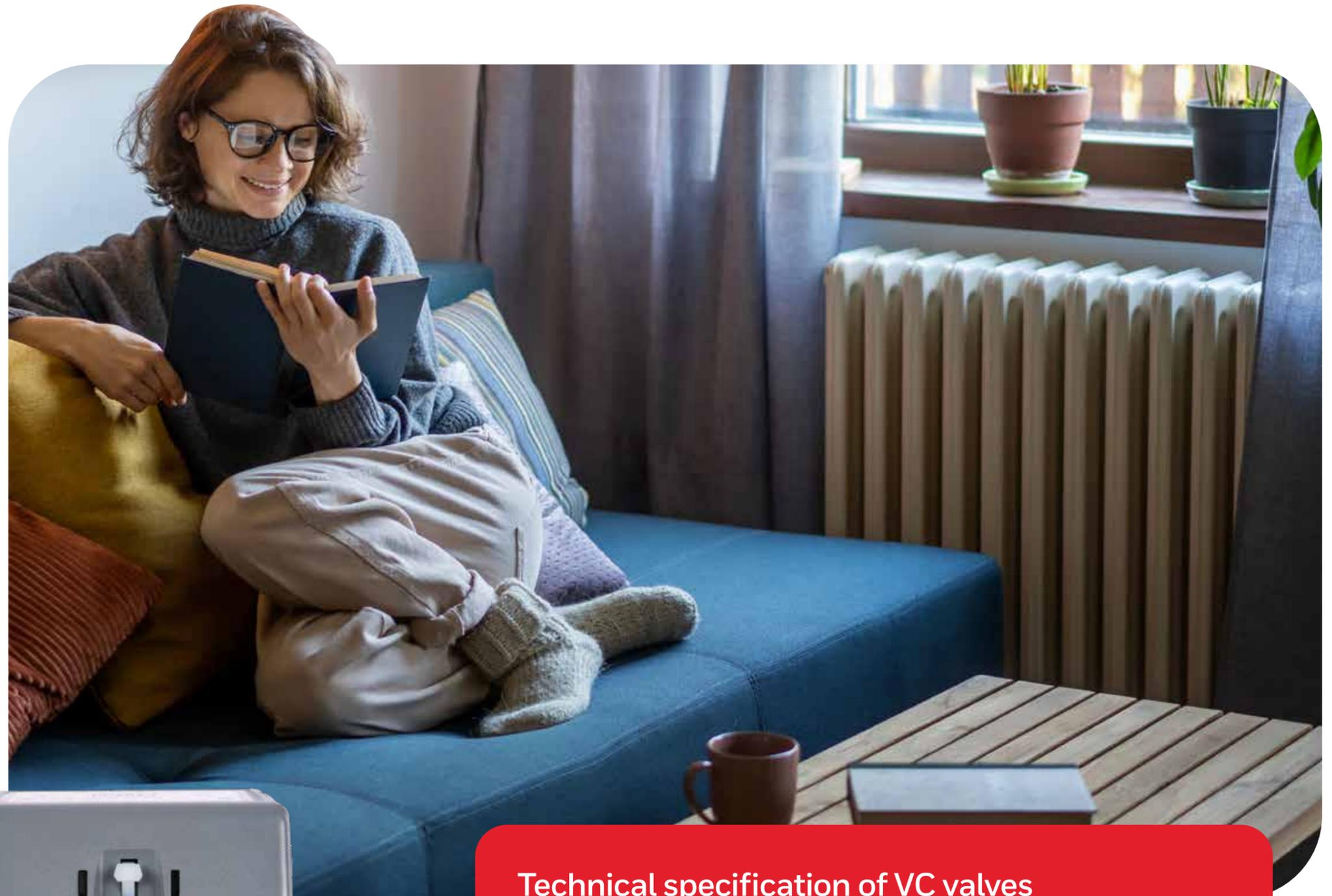


Why choose VC valves?

- The VC range of products have been developed to enhance and complement the existing Honeywell Home domestic zone valve portfolio
- They are used in heating systems in domestic and light commercial applications.
- Perfect for use in higher pressure systems such as district heating, heat pumps and light commercial installations
- The unique design consisting of a valve, a cartridge and an actuator, means the valve can achieve bi-directional flow

Features and benefits of VC valves

- Designed for use in domestic and light commercial heating systems
- Ideal for heat interface units, heat pump installations, and larger systems where high differential pressure may challenge standard motorised valves
- Operates reliably at differential pressures up to 4 bar, making it a superior alternative to standard domestic zone valves (typically rated up to 0.55 bar)
- Suitable for systems with high-head pumps, helping to reduce noise and improve overall performance by avoiding the limitations of domestic valves
- Already widely used in combination boilers, making it a familiar and trusted component in modern heating setups
- Allows flexible installation with configurable water flow direction
- Compatible with water and water-glycol mixtures (up to 50% glycol content), unlike standard valves which may degrade under such conditions
- Energy-efficient design - valve head is only powered during movement, reducing unnecessary power consumption
- Offers versatile wiring options - can be powered open or closed, and configured to simulate a spring return valve
- No earth wire required
- No draining down required when fitting new 'quick release' actuators

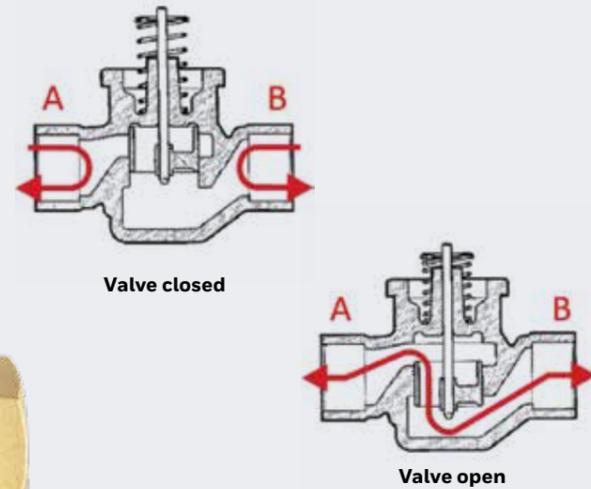


Technical specification of VC valves

- Medium - water or water - glycol mixture (50% max glycol content) quality to VDI 2035, Ph - value 8-9.5
- Operating temp - 1 to 95°C (120°C short duration peak)
- Ambient temperature - max 65°C
- Operating pressure - max 20 bar
- Differential pressure - max 4 bar
- Actuator voltage - 240 V 5Hz (red label)
- Actuator power consumption - 6VA (when valve position changes)
- Aux switch rating - 1.0A @250V 50-60 Hz
- Runtime - 6 seconds for on/off actuators
- Actuator protection type - IP40
- Storage temperature - -4 - 65°C
- Humidity rating - 5 - 95% RH (non- condensing)

Valve body types

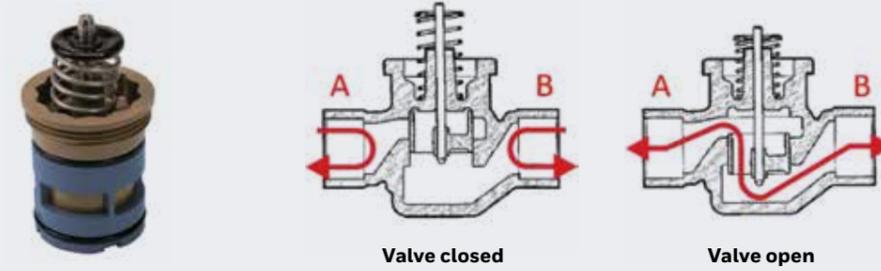
2 port valve



Cartridges

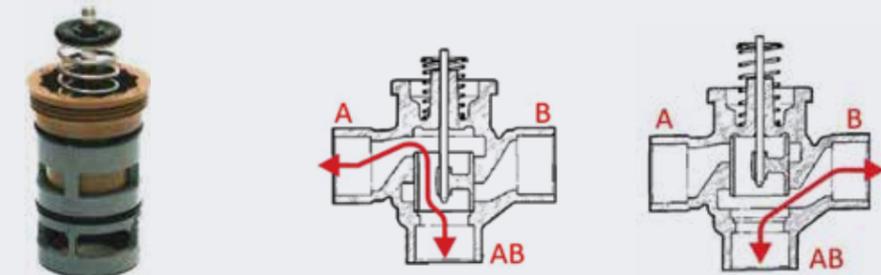
2-way valves are moved by the actuator either to the fully open position (valve stem pushed in - A port is open), or to the fully closed position (valve stem extends by the spring force - A port is closed).

Part Number: VCZZ1000/U



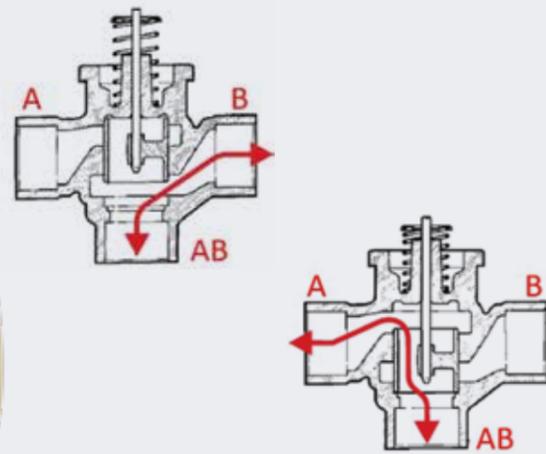
3-way diverter valves flow through one inlet and flows out through two outlets (from AB to A or B) in diverting mode. There is no middle position in this operation, port 'A' is either fully opened, or fully closed.

Part Number: VCZZ6000/U



The 3 - way diverter valve is a diverter valve & not a mid position valve

3 port valve

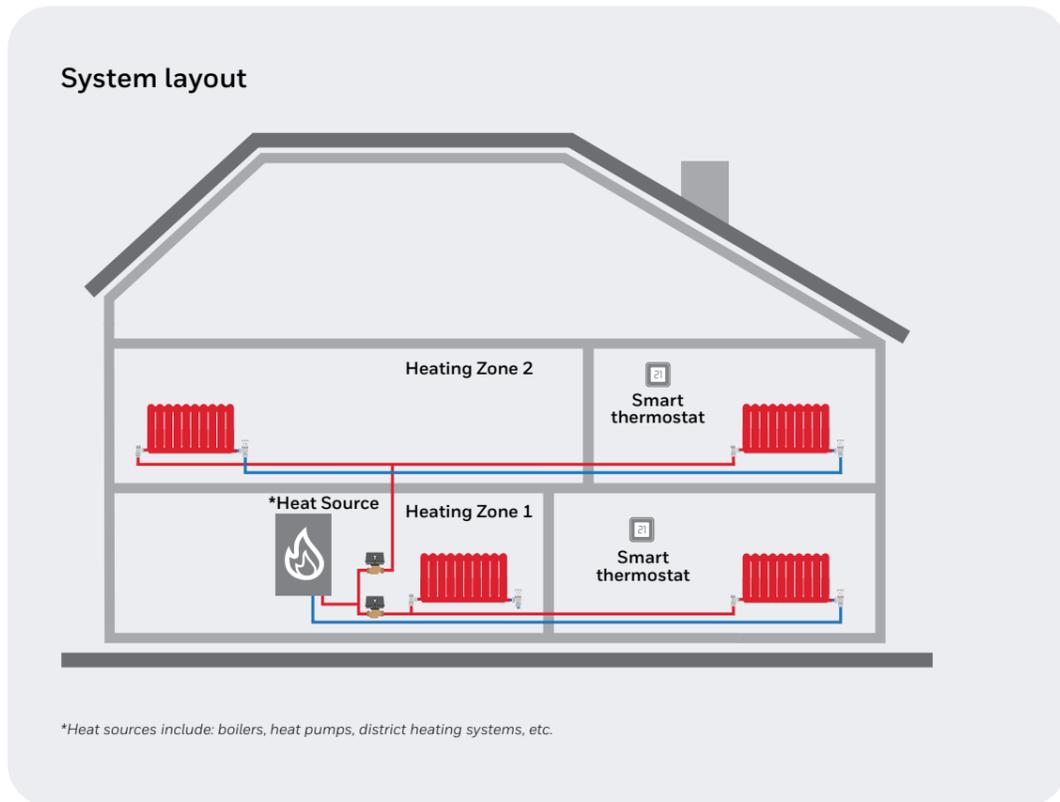


Cartridge replacement

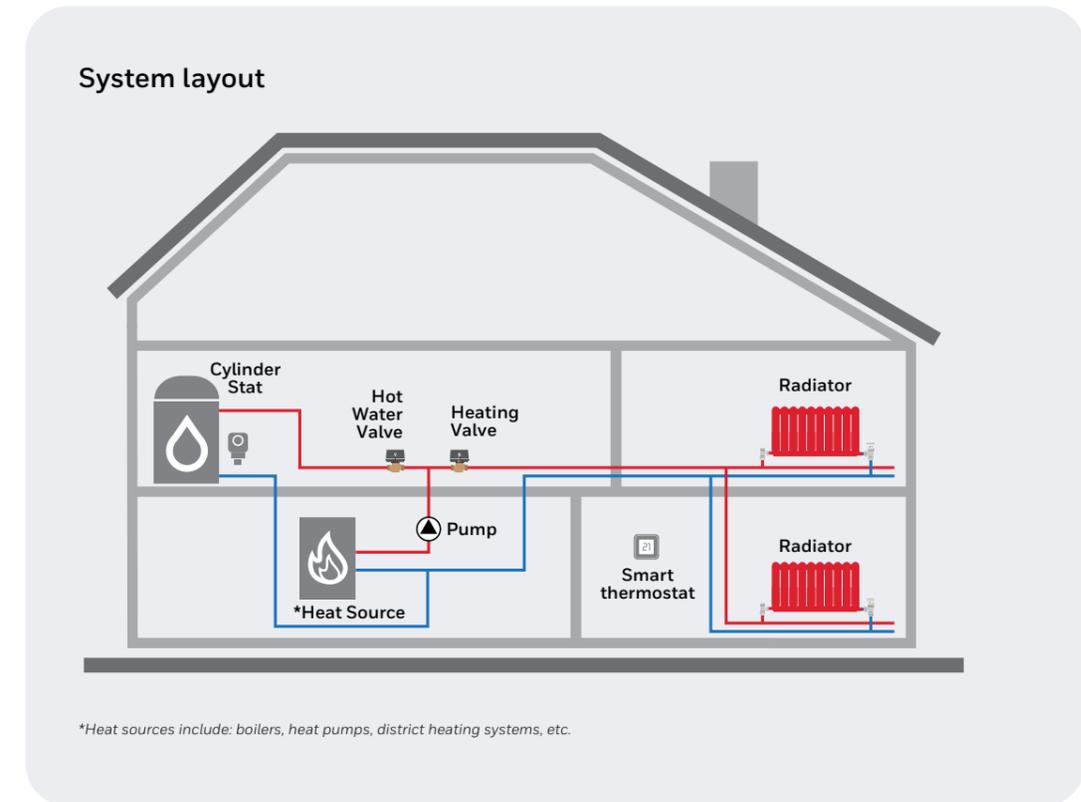
- Cartridges are available as spare parts
- On/off operation
- Cartridge removal tool is included as a spare with each cartridge pack



Two heating zones

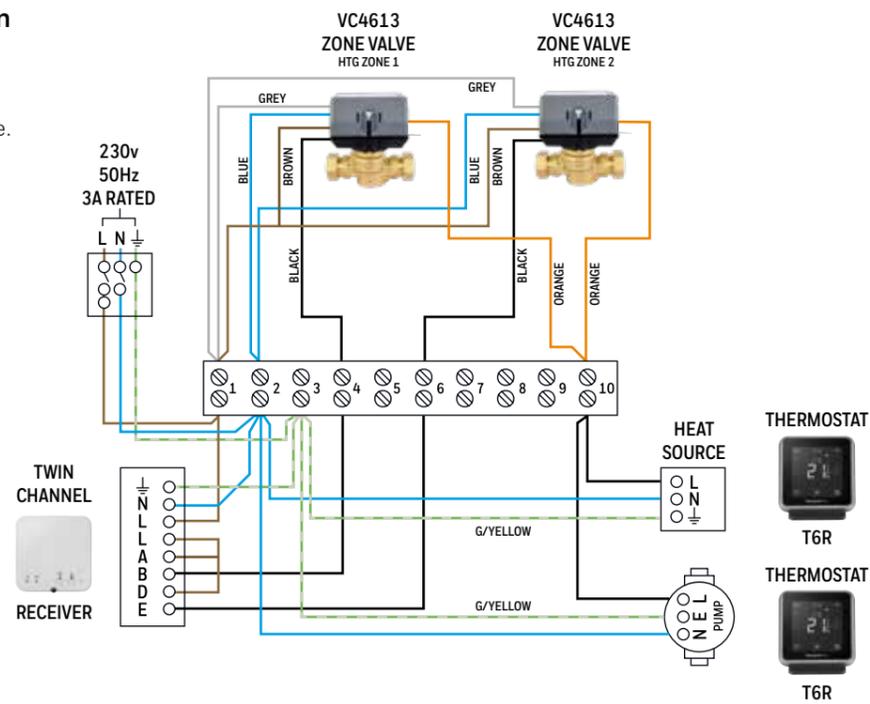


S Plan



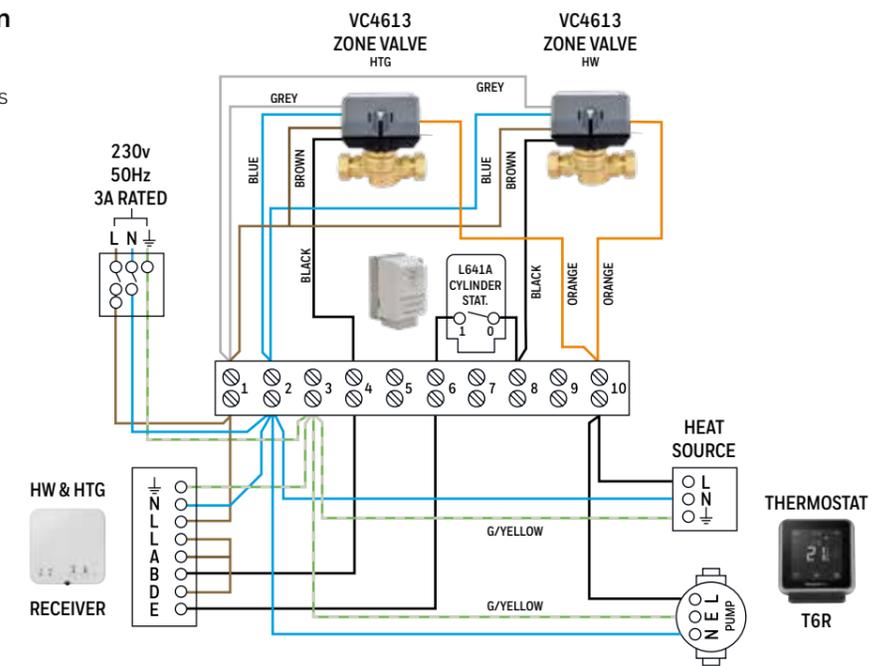
Wiring diagram

Two heating zones with smart controls T6R range.



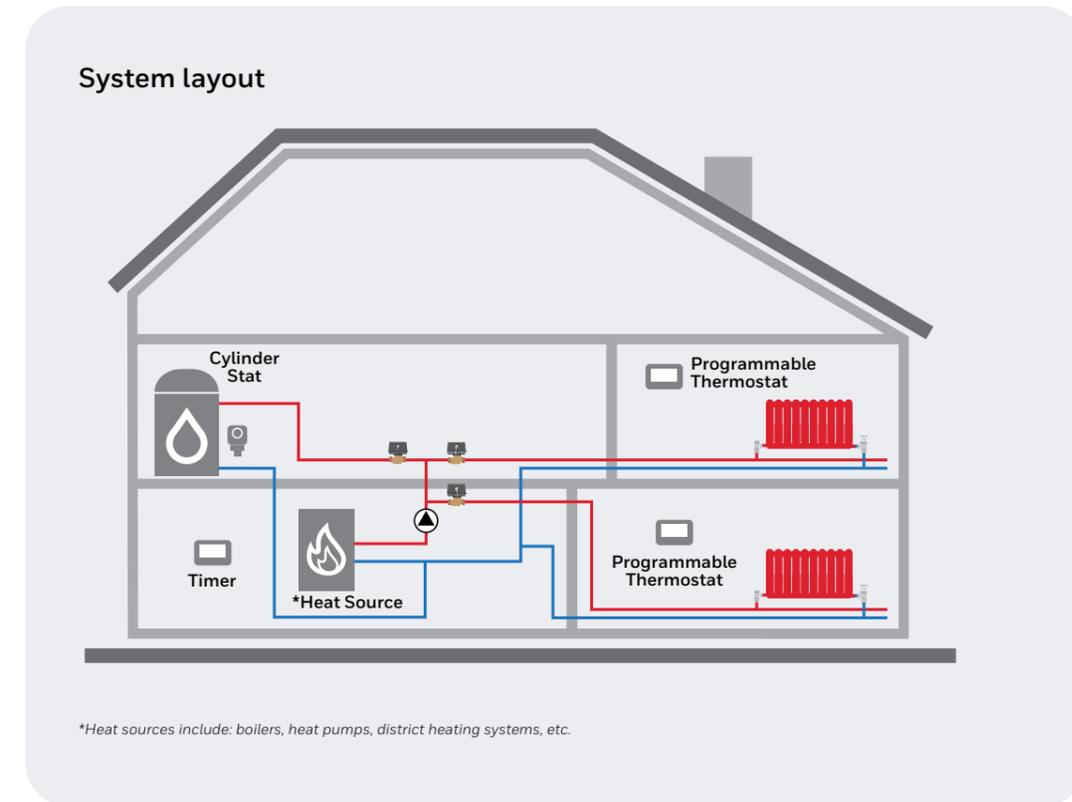
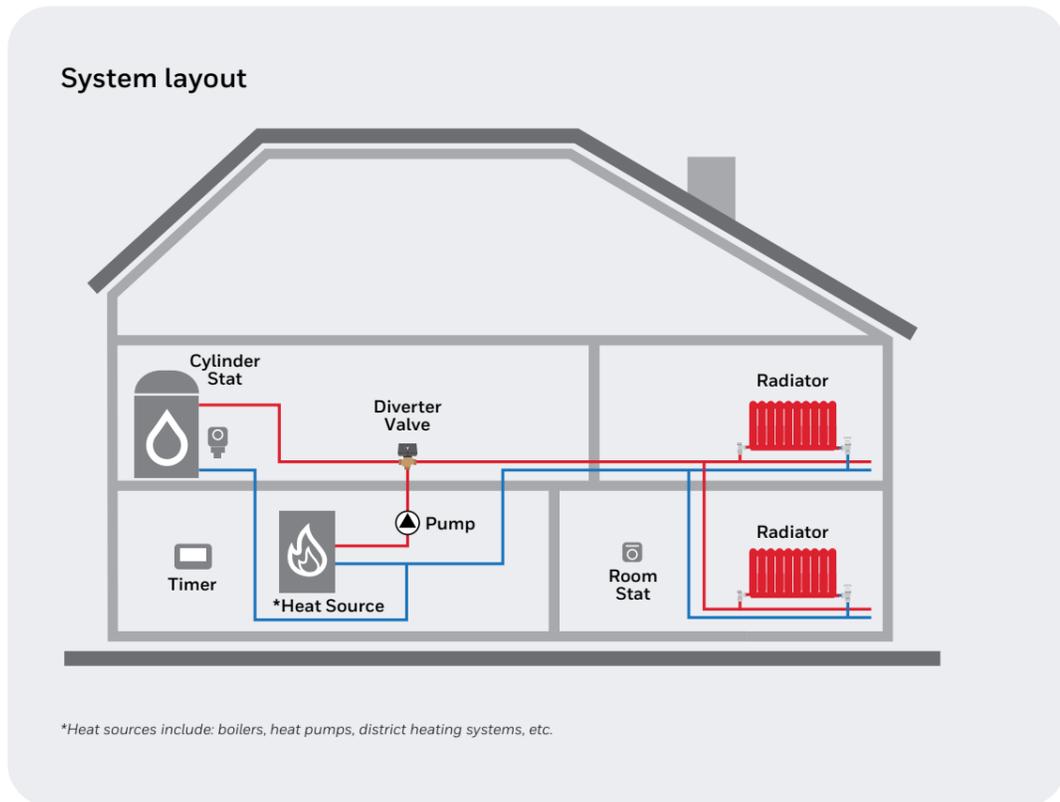
Wiring diagram

S Plan - VC Valves with smart controls T6R range.



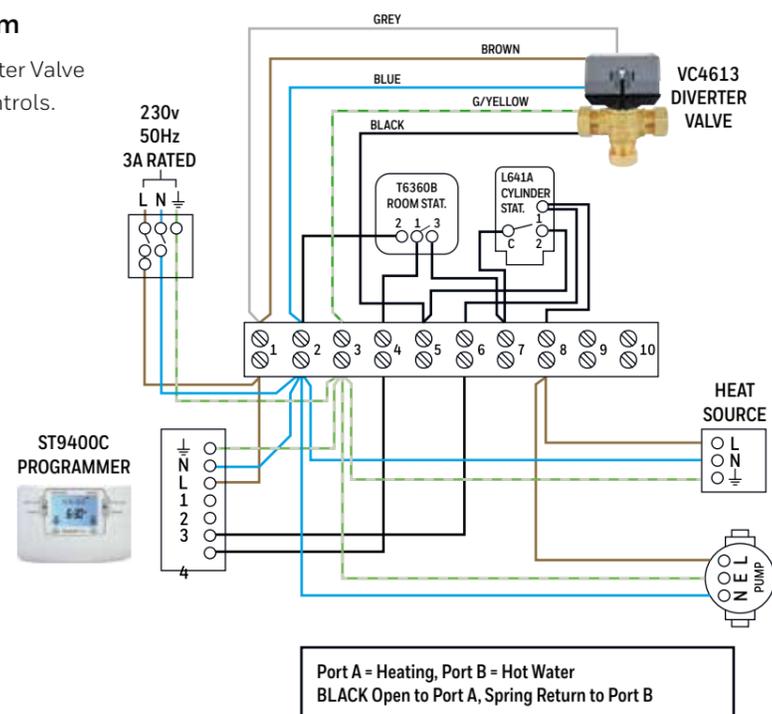
W Plan

S Plan Plus



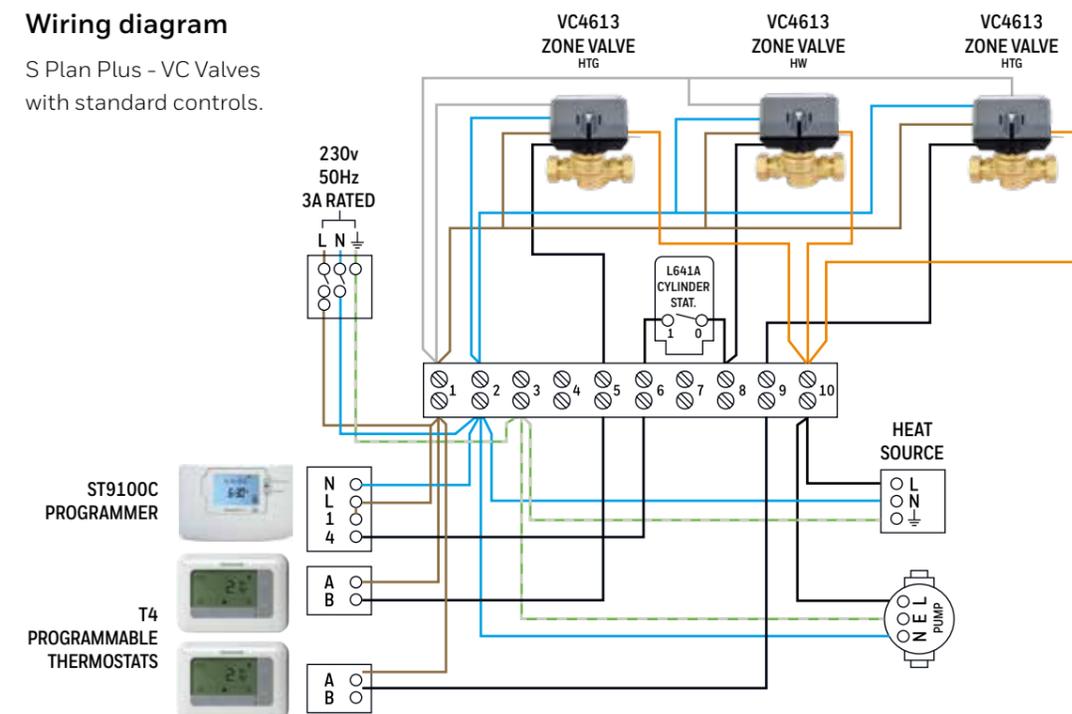
Wiring diagram

W Plan - VC Diverter Valve with standard controls.



Wiring diagram

S Plan Plus - VC Valves with standard controls.



The VC4613 actuator



- Balanced hydronic valves allow greater control of water flow in numerous applications
- Designed for use with heating and cooling systems
- The VC4613 actuator is a power open, power closed valve with potential free end switches included

Wiring colour guide for 3 way valve

COLOUR	BLACK	BROWN	BLUE	AUX SWITCH ORANGE	AUX SWITCH GREY	AUX SWITCH WHITE
Action	Opens Port A	Opens Port B	Neutral	Common	Live port A open	Live port A closed

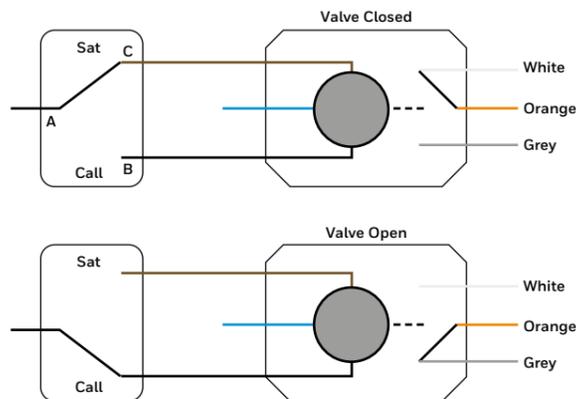
Option to wire brown to live to make valve open to port B when demand is satisfied.

Wiring colour guide for 2 way valve

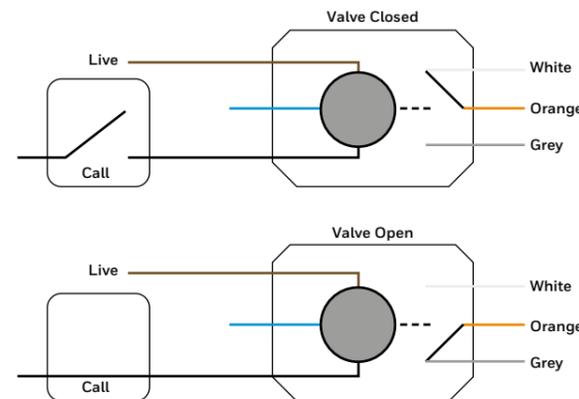
COLOUR	BLACK	BROWN	BLUE	AUX SWITCH ORANGE	AUX SWITCH GREY	AUX SWITCH WHITE
Action	Opens valve	Closes valve	Neutral	Common	Live when open	Live when closed

Option to wire brown to live to close valve when demand is satisfied.

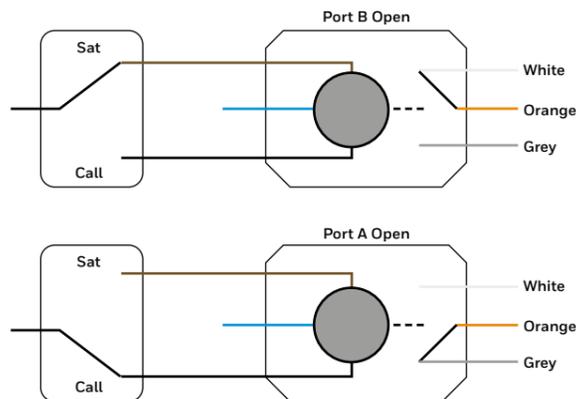
2 way valve operation: Motor open and Motor closed



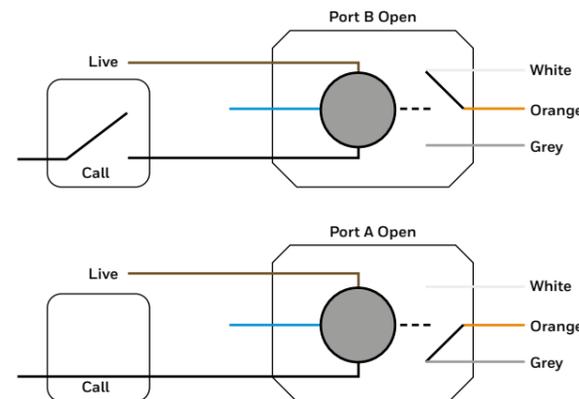
2 way valve operation: Auto return (simulated spring operation)



Three way diverter valve motor open to port A or B



Three way diverter valve auto return to port B open



Index

SKU NUMBER	DESCRIPTION
2 PORT VALVE COMPLETE	
VC4613AG1000/U	22mm compression
VC4613AN1000/U	28mm compression
3 PORT DIVERTER VALVE COMPLETE	
VC4613MF6000/U	22mm compression
VC4613MM6000/U	28mm compression
LARGER SIZE 3 PORT DIVERTER VALVE	
VCZMU6000/U	11/4" BSPP male valve body only
SPARE ACTUATORS	
VC4613ZZ00/U	Actuator only with end switch SPDT
VC4013ZZ00/U	Actuator only no switch
SPARE CARTRIDGES	
VCZZ1000/U	2 port valve cartridge
VCZZ6000/U	3 port valve cartridge

The Nagykanizsa manufacturing site in Hungary has been operating since 1991 and has served as a production base for VC valves since 2011, reinforcing its long-standing role in delivering high-quality hydronic control solutions.





SIMPLY RELIABLE



**The terms of the Resideo 5 Year Warranty Policy apply, visit resideo.com/warranty*

Resideo

3 Waterside Drive
Arlington Business park
Theale, Reading
RG7 4SW

For tech support

0300 130 1299

For more information

resideo.com

02/26

© 2026 Resideo Technologies, Inc. All rights reserved.
The Honeywell Home brand is used under license from
Honeywell International Inc. This product is manufactured
by Resideo Technologies, Inc. and its affiliates.

Honeywell Home