Honeywell Home

V4043H Motorised Zone Valve

INSTALLATION INSTRUCTIONS

APPLICATION

The V4043H valve has been designed to control the flow of water in iron and copper pipe systems. Although specifically designed for small bore domestic central heating systems, the valve can be used in commercial and industrial applications.

SPECIFICATIONS

Voltage: 230-240V ~ 50 Hz

Power Consumption: 6W

Lead Supplied:
V4043H1007/U and V4043H1056/U: 1 meter , 5 core
V4043H1080/U and V4043H1106/U: 1 meter , 6 core

Operating Temperature Range: +5 to +88° C

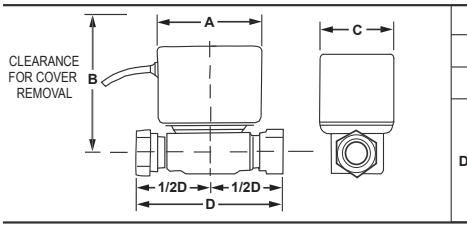
Maximum Ambient Temperature: +52° C

Pipe Fitting Sizes: 22 mm & 28 mm compression fitting, 3/4" & 1" BSP

Dimensions and KV values: See diagrams

SPARES AVAILABLE

Powerhead	Part No. 40003916-001/U
Motor	Part No. 40002737-003/U
Ball & O-Ring Kit	Part No. 272742A/U



A		87
B		98
C		60
D	1/2 IN.	94
	22MM	112
	1 IN.	92
	28MM	117

Fig. 1. Dimensions

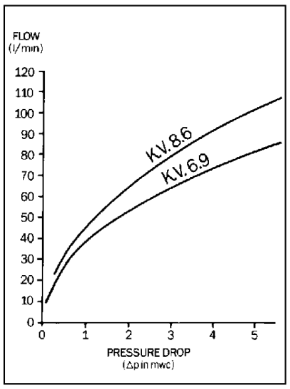
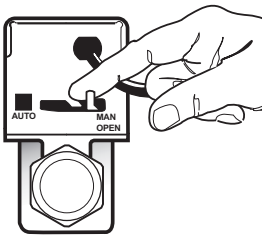


Fig. 2. Flow Characteristics

INSTALLATION

V4043H incorporates a manual lever, the lever should normally be in 'AUTO' position, but can be moved to 'MAN. OPEN' position for system draindown and filling purposes only.



Before fitting the valve, read through the plumbing and wiring instructions.

This product MUST be installed by a competent person. The installation MUST conform to I.E.T. Regulations and with The Electricity at Work Regulations.

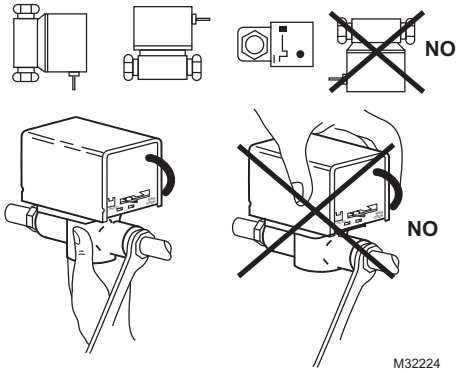
A Class 'A' switch (having contact separation of at least 3 mm in all poles) must be incorporated in the fixed wiring as a means of disconnecting the supply. The system must be appropriately fused.

PLUMBING

The valve may be plumbed in at any angle, but must not be mounted so that the valve head is below the horizontal level of the pipework. In the unlikely event of a leak, a safety hazard could result.

Do not grip the valve head while making and tightening up plumbing connections. Attach a spanner (32 mm or 1 1/4" AF) onto the valve body at each port, whilst tightening up the nuts. Tighten compression nuts enough to make a watertight seal.

TAKE CARE NOT TO OVERTIGHTEN.

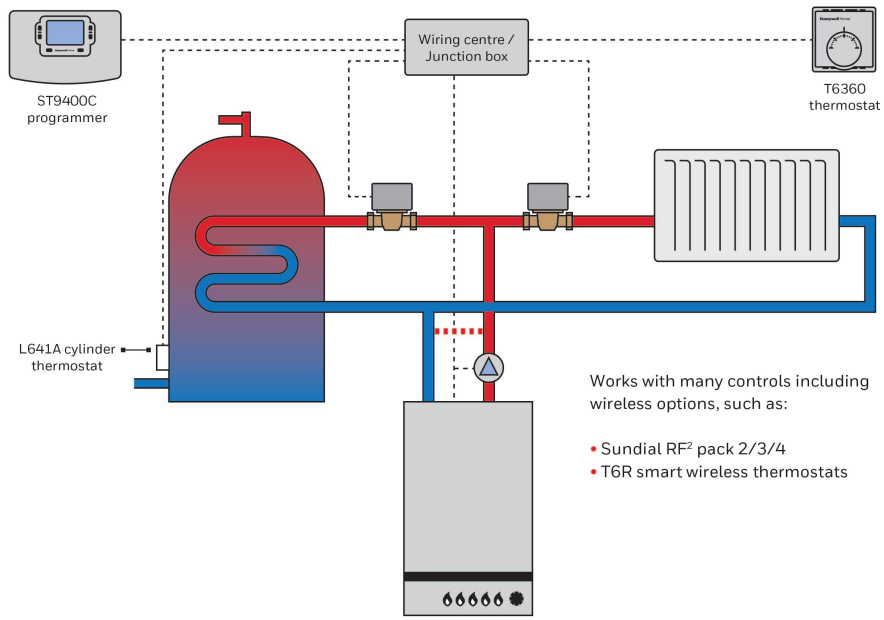


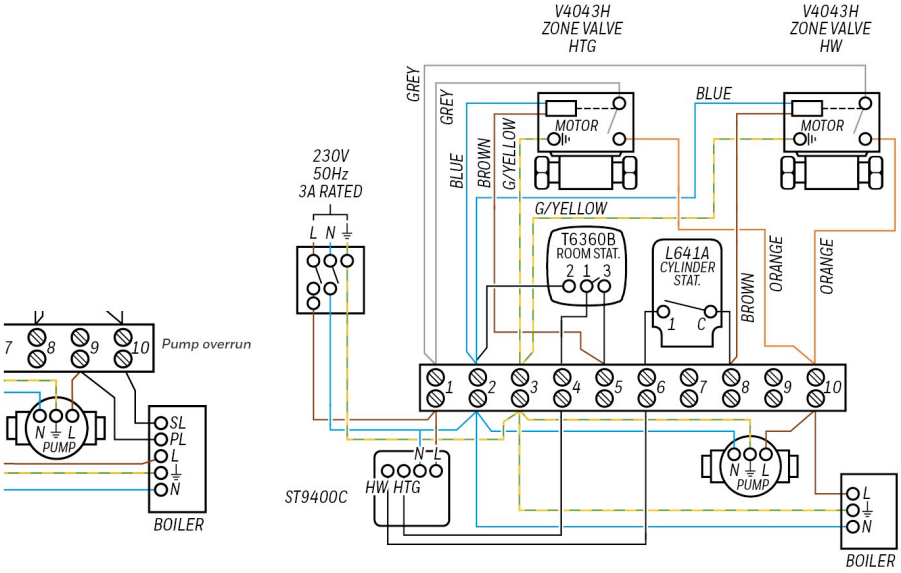
WIRING

The wiring diagram below shows relevant connections to a junction box (Part No. 42002116-002). Ensure that each numbered, lettered or coloured wire is connected to the correct terminal in the junction box. Make sure all connections are good and all terminal screws are firmly tightened.

NOTE:
Wiring diagram shows connections to a programmer with separate control of heating and hot water.

"S" Plan





Note:

1. It is recommendeed that either the 10 way junction box or Sundial wiring centre should be used to ensure first time, fault free wiring.
2. If using the V4043H1080/U (1“ BSP) or V4043H1106/U (28 mm), the white wire must be made electrically safe. ("S" Plan only).

CHECKOUT PROCEDURE

To ensure the valve is plumbed and wired correctly, carry out the following checks after filling the system and switching on the power:

1.
   a. Check the manual lever is in 'AUTO' position.
   b. Check programmer has power.
   c. Check boiler is switched on and its thermostat set to maximum.
2. Confirm correct hot water functions as follows:
   a. Turn room thermostat to minimum setting or switch off at programmer.
   b. Set cylinder thermostat to maximum and programmer to 'HOT WATER ON'.
   c. Pump should run (S Plan ONLY) and boiler should fire (S and C Plan). Feel pipe approximately 12" from valve port B, it should get hot.
3. Confirm correct heating functions as follows:
   a. Turn cylinder thermostat to minimum or switch off at programmer.
   b. Set room thermostat to maximum and programmer to 'CENTRAL HEATING ON'.
   c. Boiler should fire and pump should run. Feel pipe approximately 12" from pump (C Plan), or valve (S Plan) it should get hot.

COMPLETION

Reset both thermostats to temperature required, normally 60° C for cylinder thermostat and 20° C for room thermostat. Return programmer to 'Auto' or mode selected by householder. Full installation, wiring and operating instructions for SUNDIAL products are included in every product pack. For special wiring diagrams or applications, contact Resideo.
ENSURE THAT THE VALVE HEADS HAVE FREE AIR MOVEMENT AROUND THEM.

For "S Plan Plus" or other relevant plans, please scan the QR code to access the Honeywell Home wiring guide app. Resideo Academy supports heating and plumbing professionals with training from our industry and product experts. Scan the QR code to access the Resideo Academy online or download our app.

Wiring Guide

Download on the App Store

Wiring Guide

GET IT ON Google Play

Resideo Academy online

WEEE Directive 2012/19/EU
The product (and contained batteries) should not be disposed of with other household waste. Check for the nearest authorized collection centers or authorized recyclers. The correct disposal of end-of-life equipment will help prevent potential negative consequences for the environment and human health.

resideo

www.resideo.com

Manufacturer for European Region:
Pittway Sarl, Z.A. La Piece 6,
1180 Rolle, Switzerland

Country of origin: Hungary
EN0H-2812GE23 R0323 M.S. Rev. 03-23 | Printed in Hungary

Manufacturer for North and South America Region:
Resideo Technologies, Inc.
1985 Douglas Drive North, Golden Valley, MN 55422
1-800-468-1502

© 2023 Resideo Technologies, Inc. All rights reserved.
The Honeywell Home trademark is used under license from Honeywell International, Inc.