

# 2 ZONE KIT INSTALLATION GUIDES - LOGIC AIR & HP290

## CONTENTS

1. Circulation Pump Installation .....	1	3. HP290 .....	3
Figure 1. Approved Pump Orientations.....	1	Figure 4. 1 Zone Setup.....	3
2. Logic Air.....	2	Figure 5. 2 Zone Setup .....	3
Figure 2. 1 Zone Setup .....	2		
Figure 3. 2 Zone Setup .....	2		

### 1. CIRCULATION PUMP INSTALLATION

When installing the circulation pump, the manufacturer's installation instructions must be followed, including guidance on installation and flow control settings.

The circulation pump should be connected to the cylinder's zone 2 connection, with the flow direction drawing water from the cylinder. The flow direction arrow on the pump housing can be checked to confirm correct orientation.

Install the pump in a location that allows adequate access for maintenance and servicing of both the pump body and the pump valves. Refer to the *Figure 1* for approved pump installation orientations.

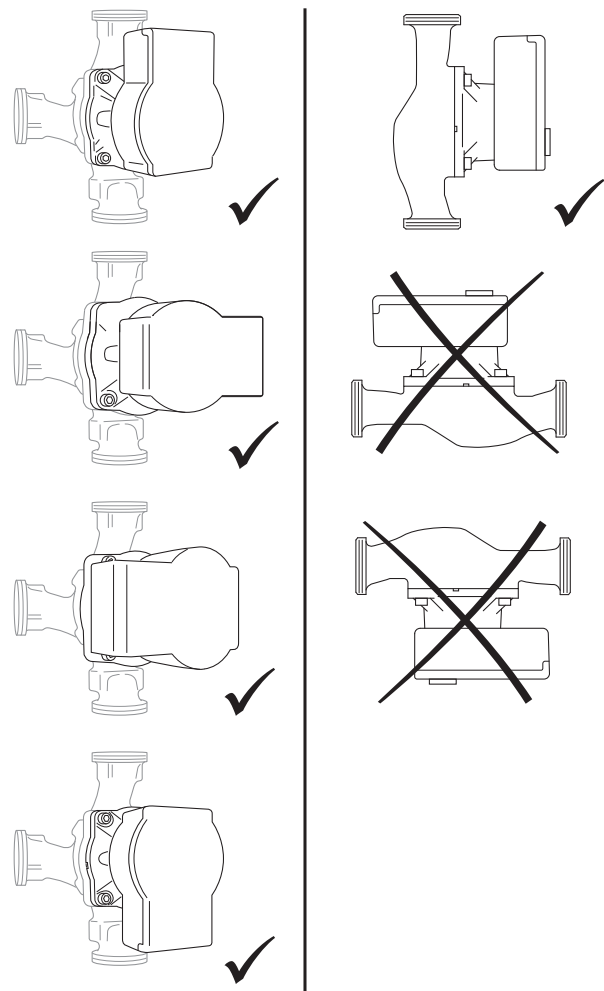


Figure 1. Approved Pump Orientations

## 2. LOGIC AIR

**Kit Contents** (make sure all the contents below are included in the kit):

1. 1 x WILO PARA 25/6-43/SC Heating Circulation Pump
2. 2 x 28 mm Pump Valve & 1 3/4" Fibre Washer
3. 1 x 28 mm Compression Stem Elbow
4. 1 x Pump Supply Lead
5. 1 x 2 Zone Pump Kit Installation Guide

**⚠ WARNING: Work on electrical systems must only be carried out by qualified and competent personnel. Failure to comply may result in electric shock, serious injury, or death.**

### Wiring & Commissioning

1. After the 2 Zone Pump pipe installation is completed, remove the unused Pump 2 Cable gland from the control box. Insert the Cable Gland from the Pump Power Lead into the vacant slot. Connect the pump power lead connectors at both the control box and pump.
2. Confirm all the wiring is completed and power the system (refer to Installer Wiring Connections in Section 4 of Installation & Servicing). Follow the step-by-step quick setup instruction on the user interface (refer to Logic Air Heat Pump Installation & Servicing for more information).

**SCAN FOR:**

Installation &  
Maintenance  
Guide



**Note:** If the system has been previously configured (example as a single zone) then a reconfigure to 2 zone is needed on the control unit user interface, by going to setting > quick setup and select the relevant heating circuit number and type.

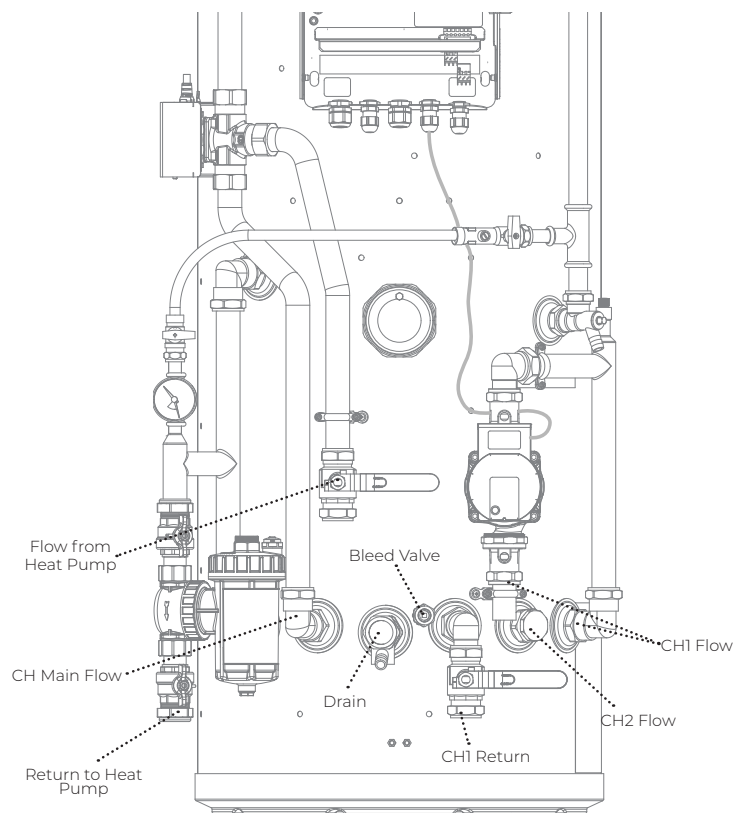


Figure 2. 1 Zone Setup

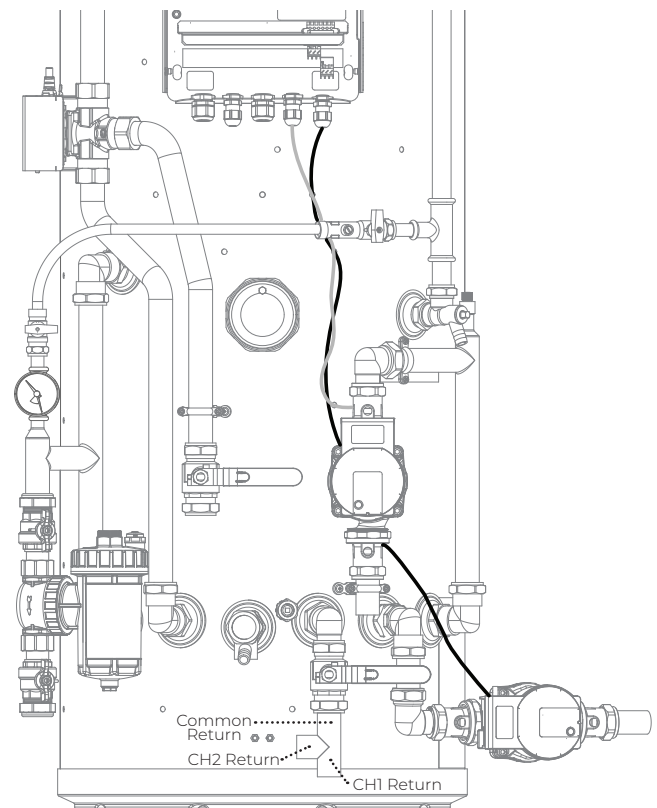


Figure 3. 2 Zone Setup  
(CH2 Pump position shown for reference only)

*T-Piece not supplied but shown for reference. The returns from CH Zone 1 and CH Zone 2 must be connected together to form a common return as close to the CH return isolation valve as possible setup.*

### 3. HP290

**Kit Contents** (make sure all the contents below are included in the kit):

1. 1 x WILO PARA 25/6-43/SC Heating Circulation Pump
2. 2 x 28 mm Pump Valve & 1 3/4" Fibre Washer
3. 1 x 28 mm Compression Stem Elbow
4. 1 x Pump Supply Lead
5. 1 x CH2 Thermistor
6. 1 x 22 mm Thermistor Clip
7. 1 x 28 mm Thermistor Clip
8. 1 x 2 Zone Pump Kit Installation Guide
9. 4 x Fir Tree Mounted Cable Ties

**⚠ WARNING: Work on electrical systems must only be carried out by qualified and competent personnel. Failure to comply may result in electric shock, serious injury, or death.**

#### Wiring & Commissioning

1. After the 2 Zone Pump pipe installation is completed, remove the unused Pump 2 Cable gland from the control box. Insert the Cable Gland from the Pump Power Lead into the vacant slot. Connect the pump power lead connectors at both the control box and pump.
2. Route the CH2 thermistor cable along the same route of the DHW thermistor cable, then downwards to the securing tie location holes at the bottom at the of the cylinder, and across to the position of the CH2 thermistor location as shown on the drawing. Secure using the clip in tie wraps. Avoid any routing adjacent to any 230V cables.

SCAN FOR:

Installation &  
Maintenance  
Guide



3. Confirm all the wiring is completed and power the system (refer to Installer Wiring Connections in Section 4 of Installation & Servicing). Follow the step-by-step quick setup instruction on the user interface (refer to HP290 Monobloc Heat Pump System Installation & Maintenance for more information).

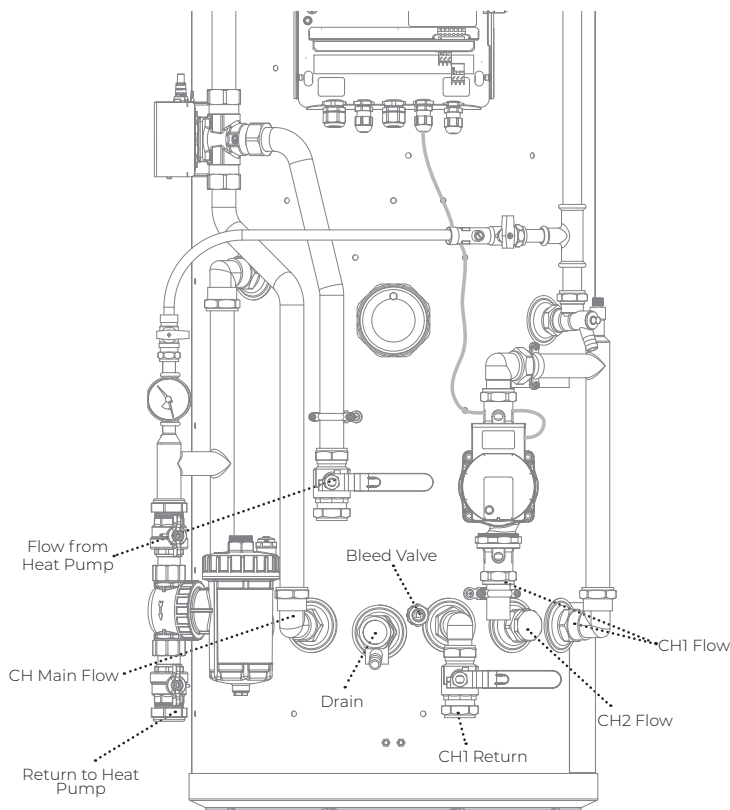


Figure 4. 1 Zone Setup

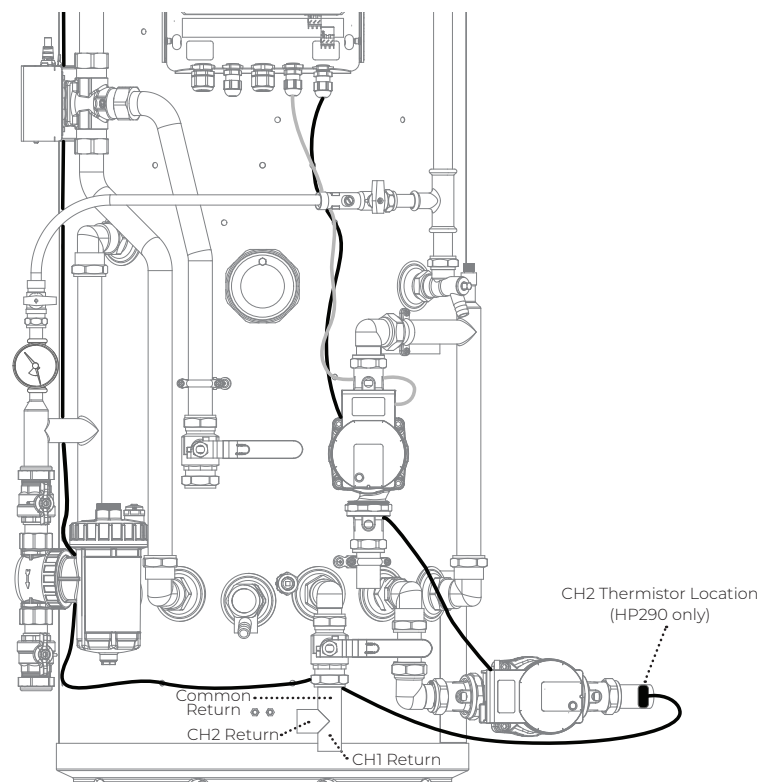


Figure 5. 2 Zone Setup  
(CH2 Pump position shown for reference only)

*T-Piece not supplied but shown for reference. The returns from CH Zone 1 and CH Zone 2 must be connected together to form a common return as close to the CH return isolation valve as possible setup.*

NOTES