



90/115/125/150 kW

Condensing  
Wall Hung Boiler

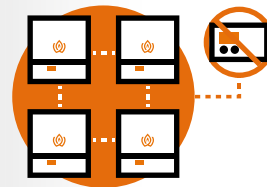
**Viwa**



## 8 Reasons to Choose Viwa Boiler

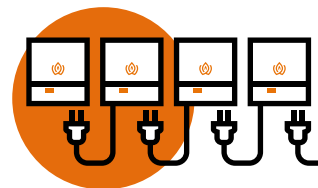
# Viwa

90/115/125/150 kW



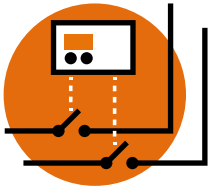
### Operation without Cascade Panel with built-in Interface Card

With built-in Cascade module in the control panel there is no need for an additional control unit which makes connection easy and communication simple. Each boiler can be used as master or slave.



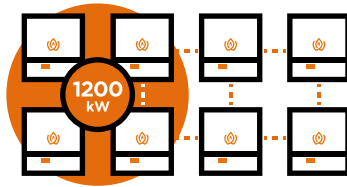
### Easy and Quick installation with Smart Plug System

Easy and quick cascade installation up to eight boilers with to built-in cascade unit and smart plug system.



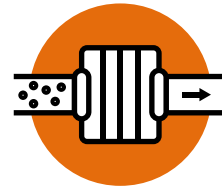
### Multi-zone management

With an external optional module, 4 heating zone or 1 heating zone plus 1 underfloor zone can be controlled.



### Cascade up to 8 boilers & 1200 kW Power

Central heating capacity up to 1200 kW with 8 boilers can be obtained with easy cascade installation.



### Built-in particle filter

Built-in mini particle filter, air separator and additional air separator on the exhaust manifold prevent air and particle in the system from damaging the exchanger.



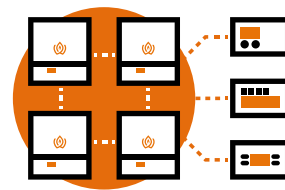
### Hermetic Flue Connection

Warmhaus Viwa boilers have room sealed hermetic boiler design and compatible with Ø100/150 mm concentric flue connection. Each boiler can be used with its own flue sets independent from each other which makes cascade systems to be installed in roof space without stainless steel flue.



### Compact Dimensions & Less Installation Area

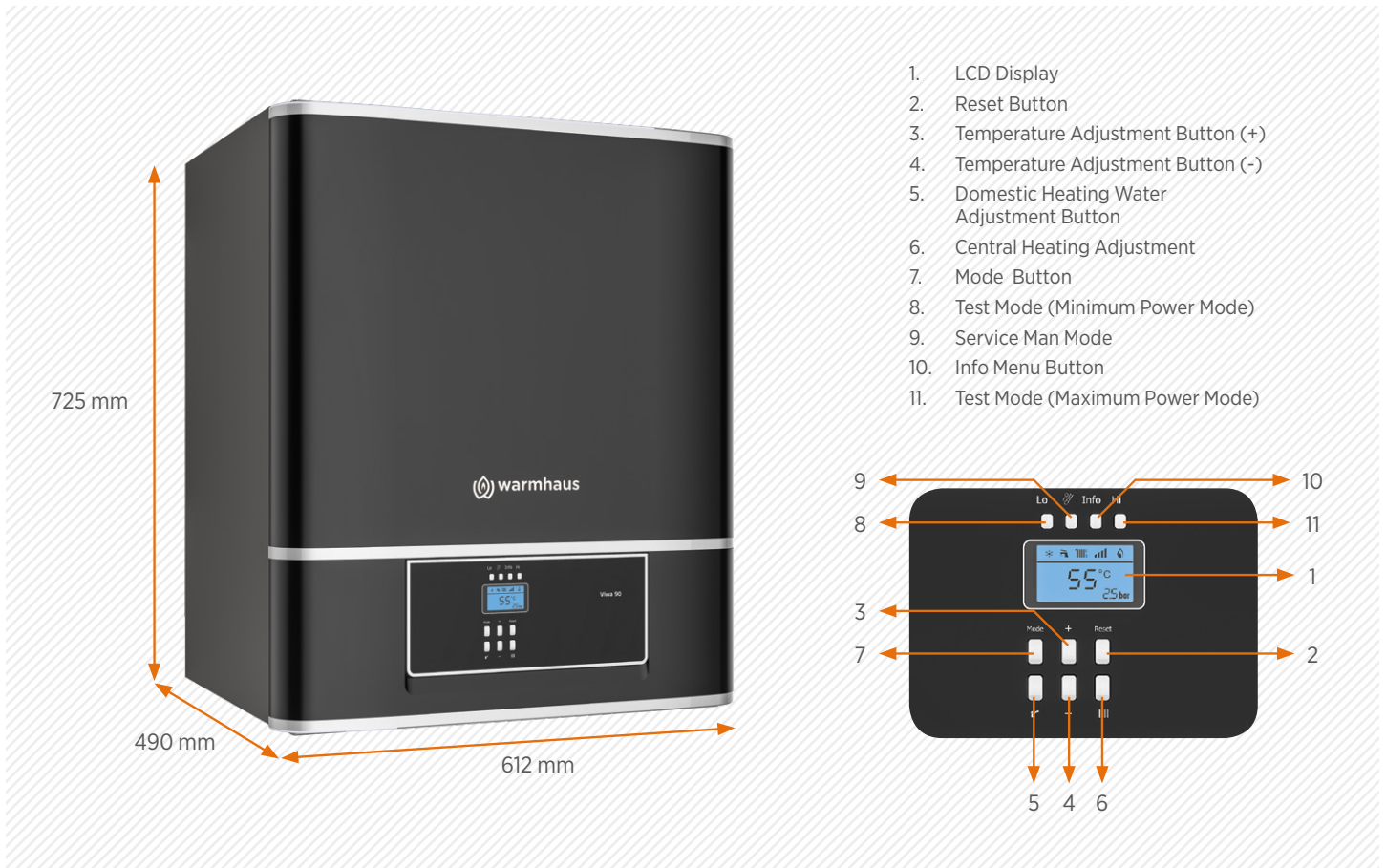
Compact dimensions and adjacent side by side installation capability allows installation with less area.



### Compatibility with different cascade control panels

Warmhaus Viwa boilers are able to communicate with open term communication protocol and work with various cascade control systems available in the market.

# Dimensions

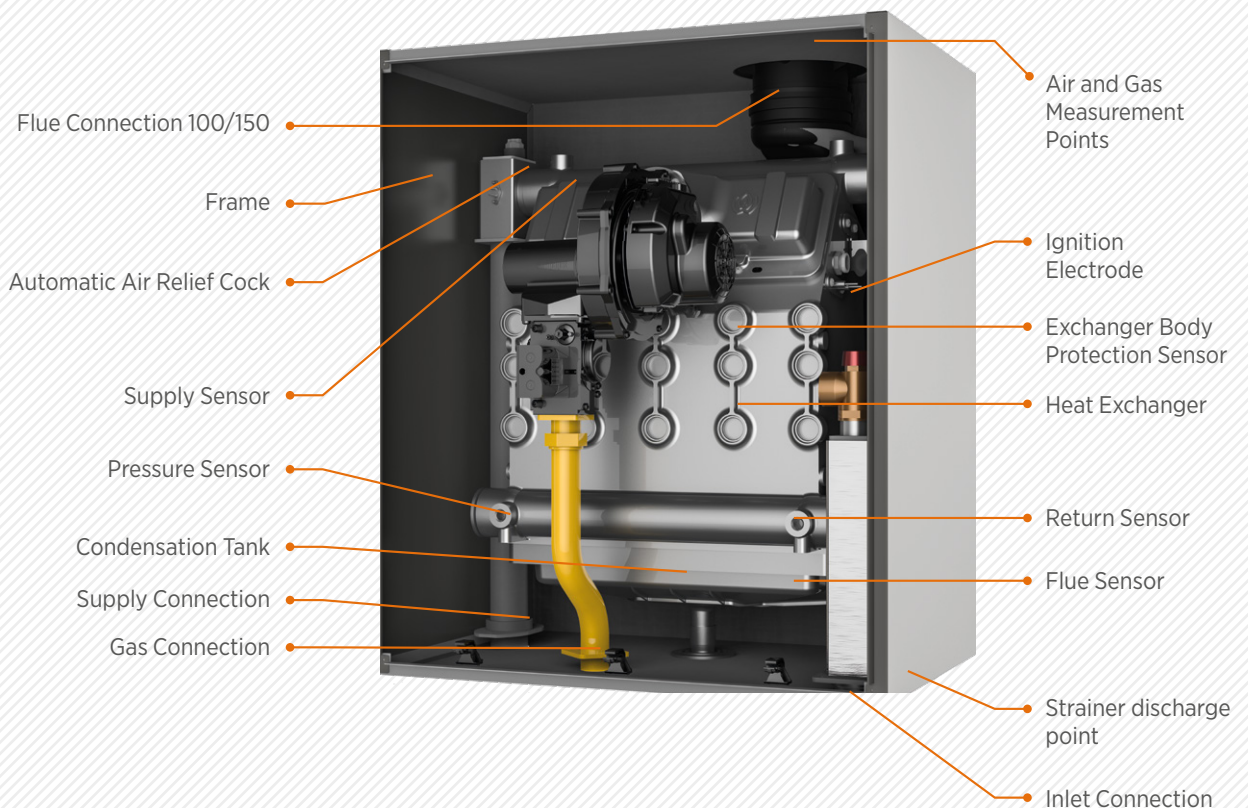
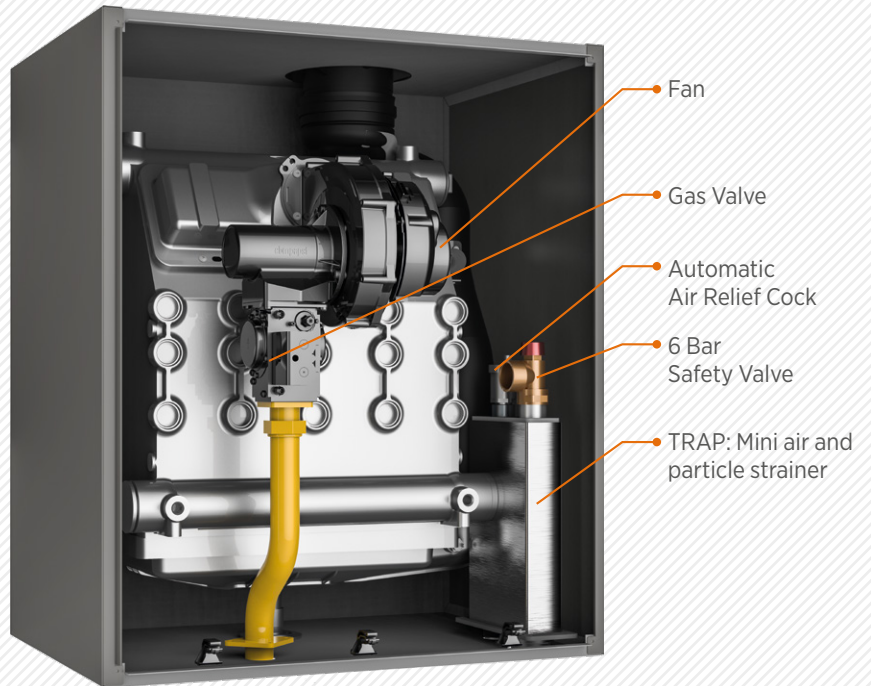


| Technical Data                                                       |             | Viwa 90                            | Viwa 115         | Viwa 125         | Viwa 150         |
|----------------------------------------------------------------------|-------------|------------------------------------|------------------|------------------|------------------|
| <b>Gas Circuit</b>                                                   | <b>Unit</b> |                                    |                  |                  |                  |
| Gas type                                                             |             | G20                                | G20              | G20              | G20              |
| Gas supply pressure                                                  | mbar        | 20-25                              | 20-25            | 20-25            | 20-25            |
| *(Natural Gas G20) Heat Load (Hu=10,56 kWh/m <sup>3</sup> )          |             |                                    |                  |                  |                  |
| Premix System                                                        |             | Gas/Air Pneumatic System           |                  |                  |                  |
| Heat Exchanger Material                                              |             | Aluminum/Silicium Exchanger        |                  |                  |                  |
| <b>Efficiency</b>                                                    |             | <b>G20</b>                         | <b>G20</b>       | <b>G20</b>       | <b>G20</b>       |
| (80/60 °C) Efficiency at Maximum Heat Output                         | %           | % 97                               | % 97             | % 97             | % 97             |
| (50/30 °C) Efficiency at Maximum Heat Output                         | %           | % 103                              | % 103            | % 103            | % 103            |
| Efficiency at 30% load at 36/30 °C                                   | %           | % 107                              | % 107            | % 107            | % 107            |
| Seasonal space heating energy efficiency (expressed in terms of GCV) | %           | Class A                            | Class A          | Class A          | Class A          |
| <b>Radiator Circuit</b>                                              |             | <b>G20</b>                         | <b>G20</b>       | <b>G20</b>       | <b>G20</b>       |
| Maximum Heat Output Pn (50/30 °C)                                    | kW          | 90                                 | 115              | 125              | 150              |
| Temperature selection range (min÷max) high temperature               | °C          | 25÷80                              | 25÷80            | 25÷80            | 25÷80            |
| Temperature selection range (min÷max) low temperature                | °C          | 25÷47                              | 25÷47            | 25÷47            | 25÷47            |
| Operating Pressure (Minimum / Maximum)                               | bar         | 0,8 / 6                            | 0,8 / 6          | 0,8 / 6          | 0,8 / 6          |
| <b>Electricity Circuit</b>                                           |             |                                    |                  |                  |                  |
| Electricity Supply                                                   | V AC-50 Hz  | 230 V +%10; -%15                   | 230 V +%10; -%15 | 230 V +%10; -%15 | 230 V +%10; -%15 |
| Electricity Consumption (Max./Min.)                                  | Watt        |                                    |                  |                  |                  |
| Protection Index                                                     | IP          | IPX5D                              | IPX5D            | IPX5D            | IPX5D            |
| NOx                                                                  | Class       | 5                                  | 5                | 5                | 5                |
| <b>General</b>                                                       |             |                                    |                  |                  |                  |
| Dimensions (H x W x D)                                               | mm          | 725 x 615 x 490                    |                  |                  |                  |
| Net Weight                                                           | kg          |                                    |                  |                  |                  |
| Type                                                                 |             | B 23, C 13, C 33, C 53, C 63, C 83 |                  |                  |                  |
| Category                                                             |             | I2H (G20=20 mbar)                  |                  |                  |                  |





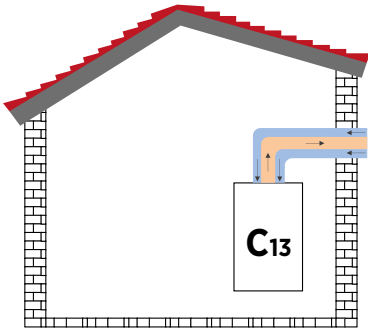
# Components

Long Lasting  
and Smooth  
Use With  
High-Quality  
Components

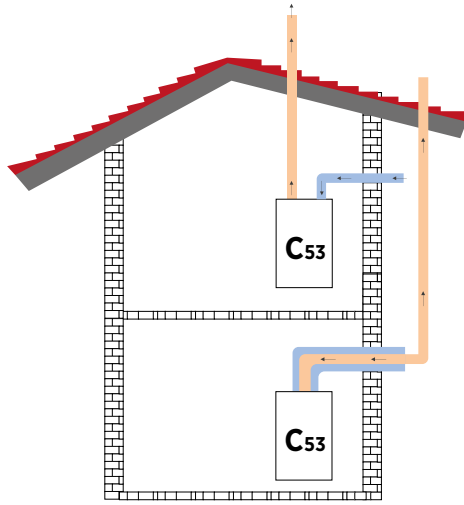


# Flue Connection Types

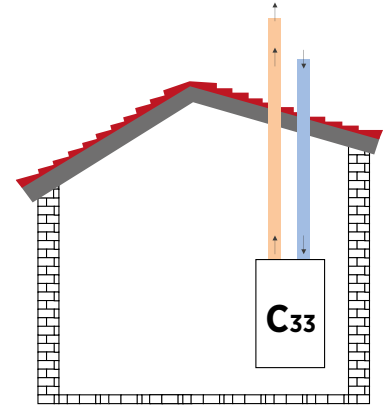
 Air  
 Exhaust gas



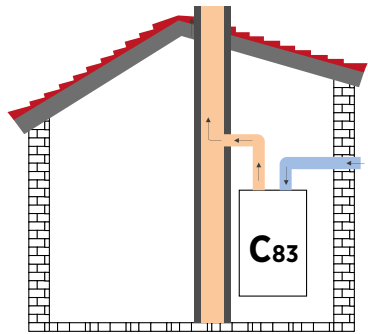
Discharge with concentric flue connection



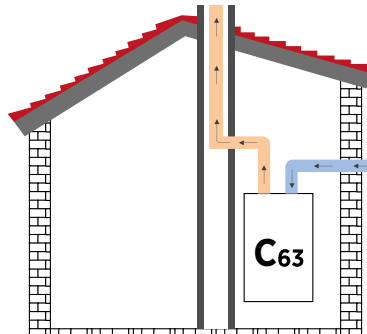
Exhaust gas discharge and fresh air intake with concentric flue kit and separate flue kits



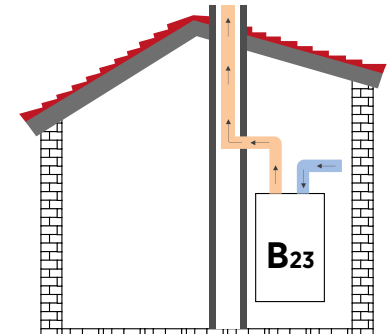
Exhaust gas discharge and fresh air intake with separate flue kits



Discharge to building chimney and fresh air intake with separate flue connection



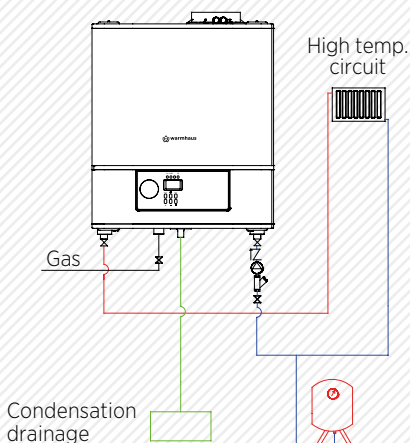
Exhaust gas discharge through building chimney and fresh air intake with separate flue sets



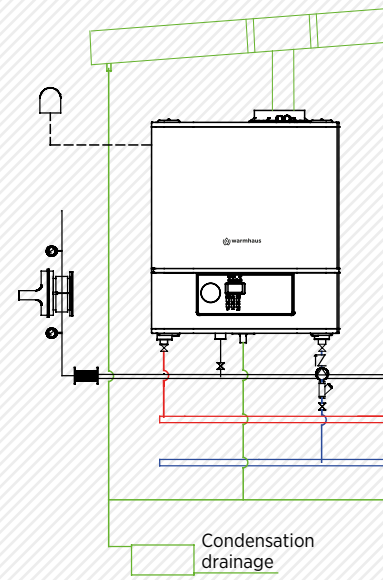
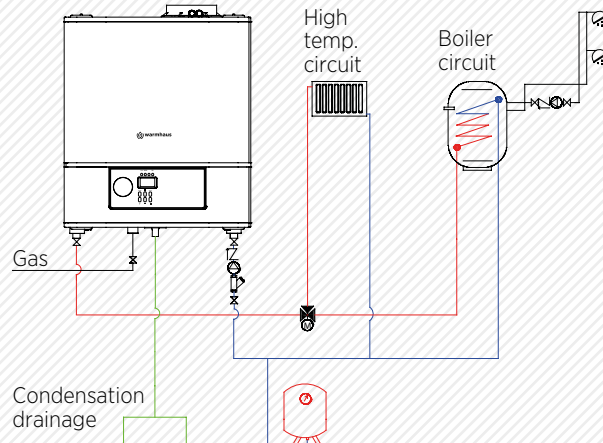
Exhaust gas discharge through building chimney and fresh air intake from inside of the building with separate flue sets.

# Installation Diagrams

Connection diagram for single boiler and 1 high temperature zone



1 high temperature zone with single boiler and boiler connection diagram



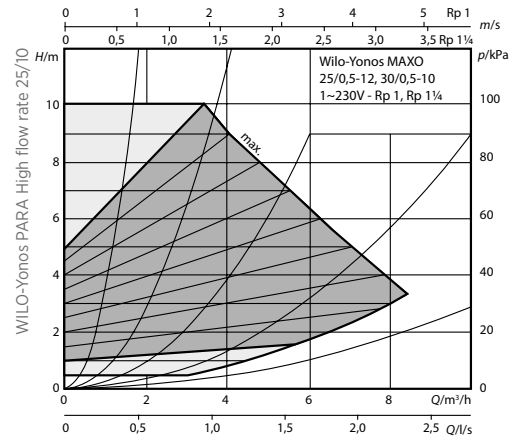
# Pump Set Accessories for Boilers

Pump with high pressure and flow rate for Warmhaus Viwa wall hung boilers.



## WILO-Yonos PARA

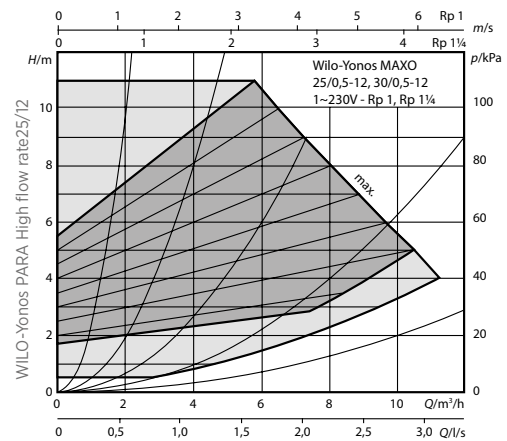
High flow rate 25/12-30/10, High flow rate 25/12-30/12



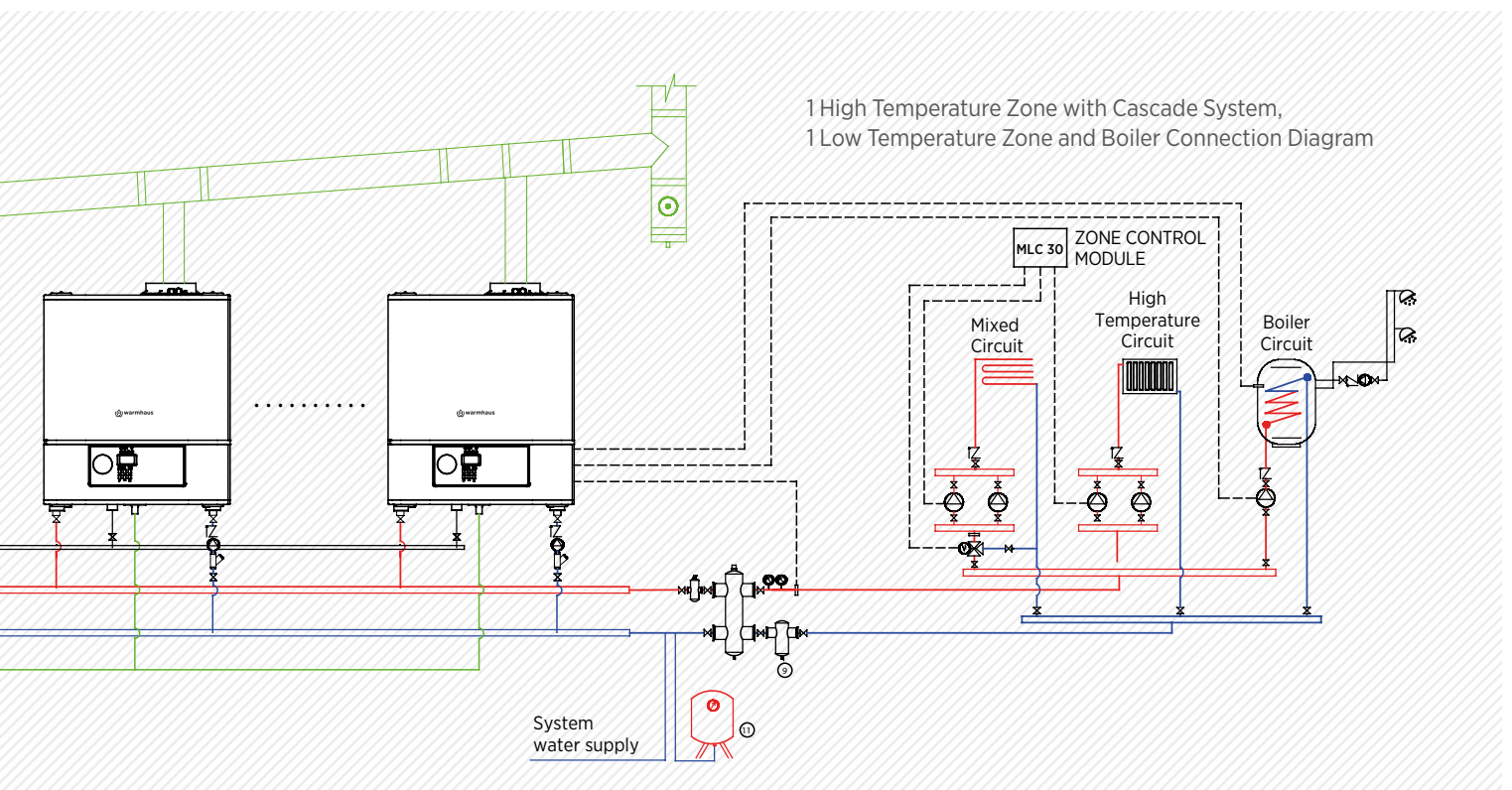
Pump set for Viwa 125 and 150



Pump set for Viwa 90 and 115



Hydraulic operation area  $\Delta p-v$  /  $\Delta p-C$



# Support



## Warmhaus Technical Trainings

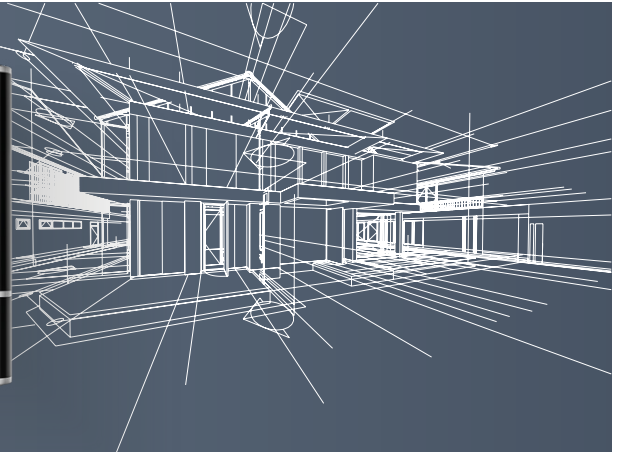
We support our business partners with comprehensive trainings and technical documentation.  
We provide you to experience both practical and theoretical on the production site.

## Warmhaus Production Facility

Our products are certified and tested by the international institutions to meet the highest industry standards.  
Please ask for certificate for your region.



## Project specific support and cascade system accessory selection tool



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