

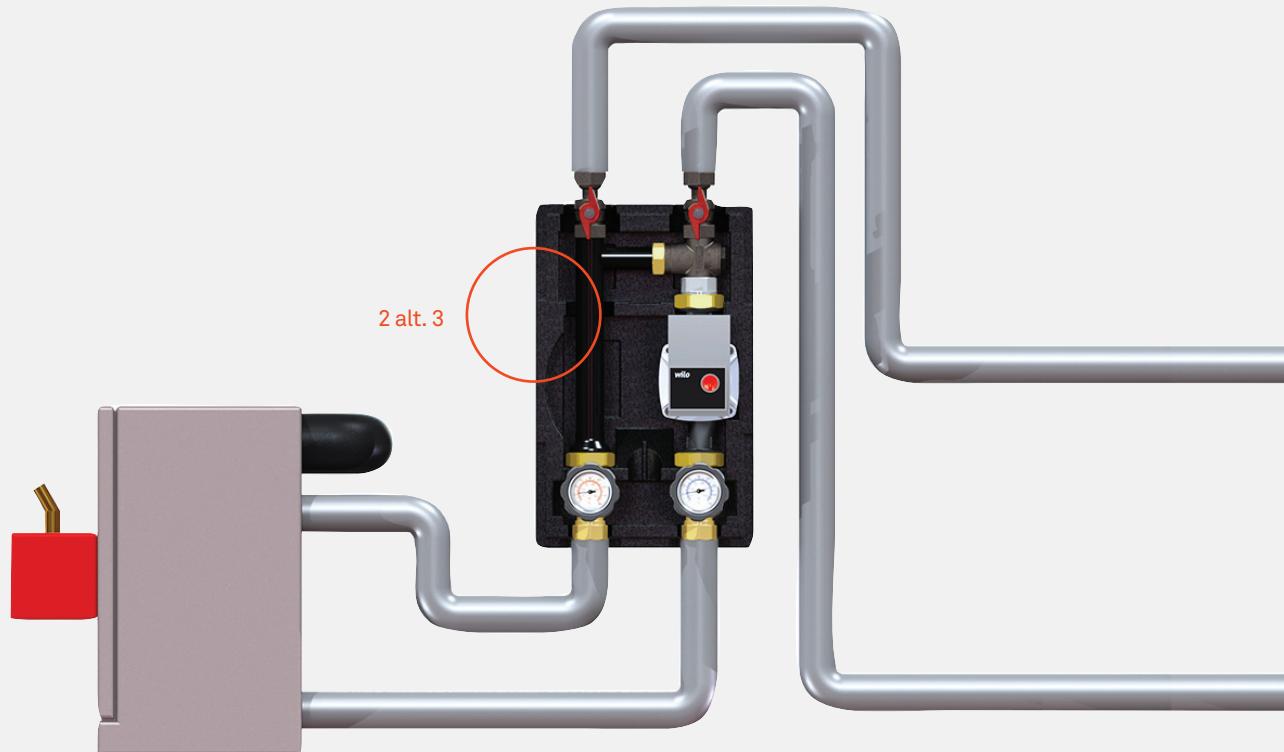
4H Groups

sustainable
energy
solutions



4H Groups

Complete, insulated package solutions in standard dimensions (125 or 160 cc), to facilitate installation of heating systems.



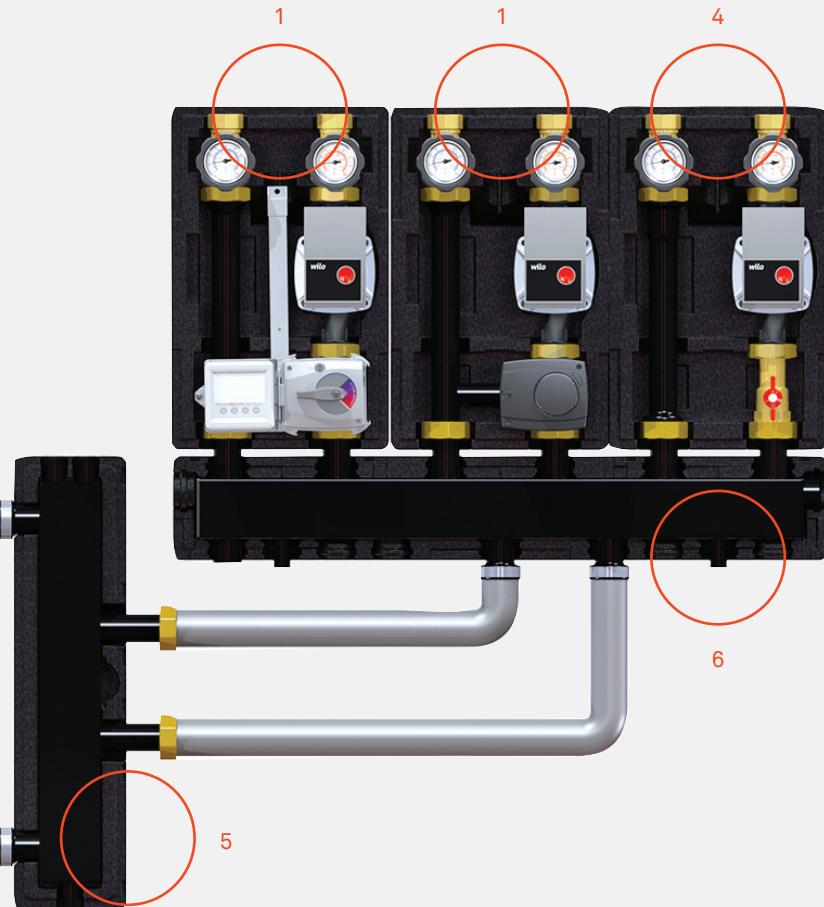
1. Thermomatic
See page 4-9

2. Laddomatic
See page 10-15

3. Laddomat
See page 16-21



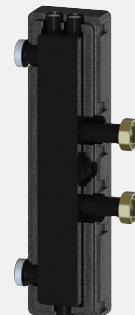
Connection example:



4. Laddomat Pump unit
See page 20-25

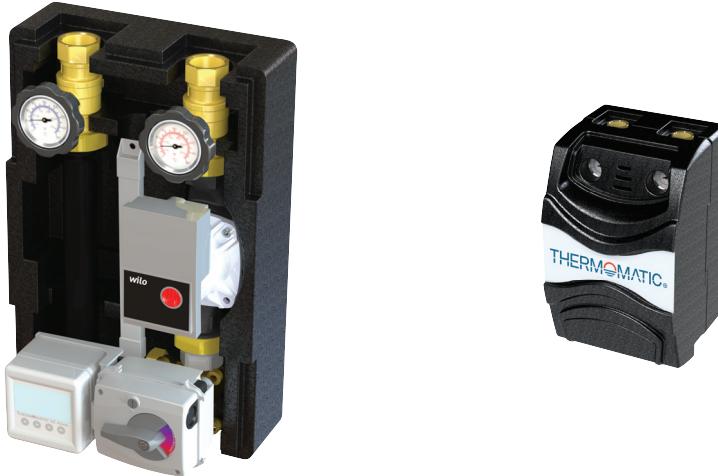
5. Hydraulic separator

6. Manifold



THERMOMATIC® 125 DN25

Distrubition group for control of heating or cooling systems, DN25.



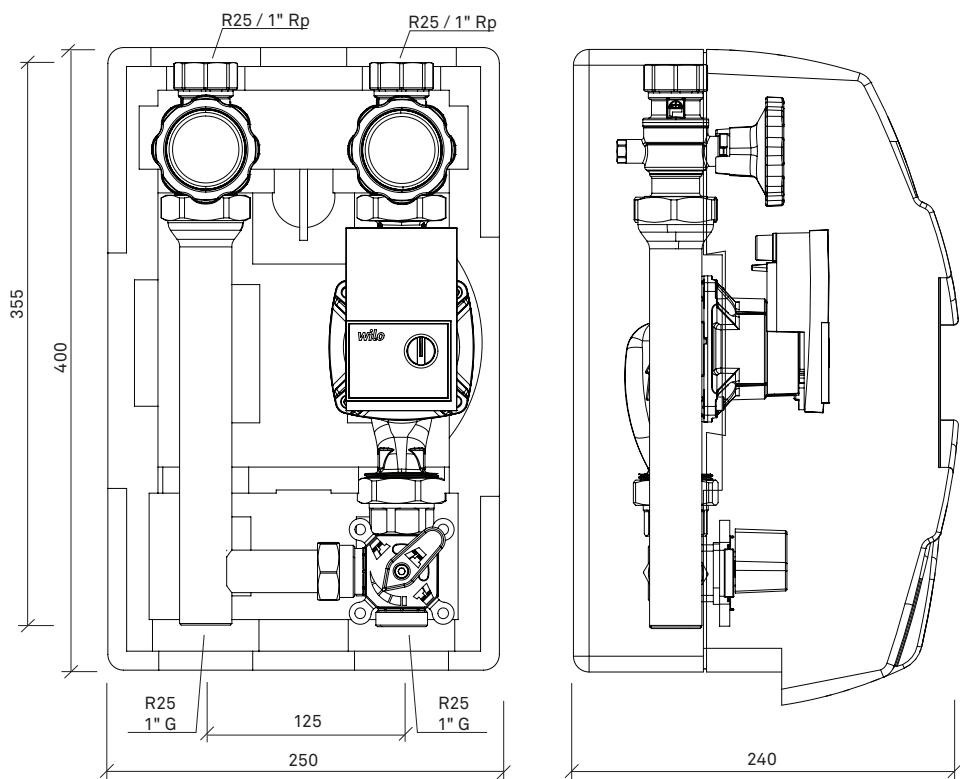
Thermomatic 125 is a range of complete distrubition groups with the mixing operation for both heating and cooling applications. The range is based on our reliable mixing valves and our renowned Thermomatic range.

- The distrubition groups are optimised to meet the system's energy needs safely and perfectly, thanks to the available actuator options.
- The insulation's ventilation function protects the device from condensation during cooling applications.
- The highly efficient energy-saving pump, together with dense insulation, provides an energy-efficient distrubition group.
- Simple and tidy installation thanks to its standard installation dimensions.
- Wall bracket included as standard.
- When installing more than one distrubition group the manifold makes a neat and easy installation.

Technical data

Actuator:	Without actuator Thermomatic TVM Thermomatic CC Thermomatic EC Home Thermomatic EC Home WL
Pump:	6 m, 180 mm
Connections:	R25
Kvs value:	6,0 alt 10,0

Dimensions and connections



Accessories

Manifold – For connecting 2, 3, 4 or 5 units. All needed gaskets and reducers included

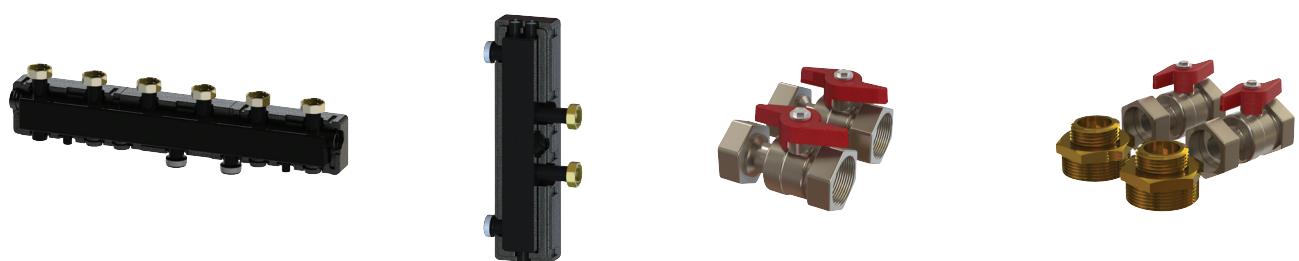
Wall bracket for manifold

Hydraulic separator– For systems without natural separator, i.e. without accumulator tank

Check valve – Prevents self-circulation

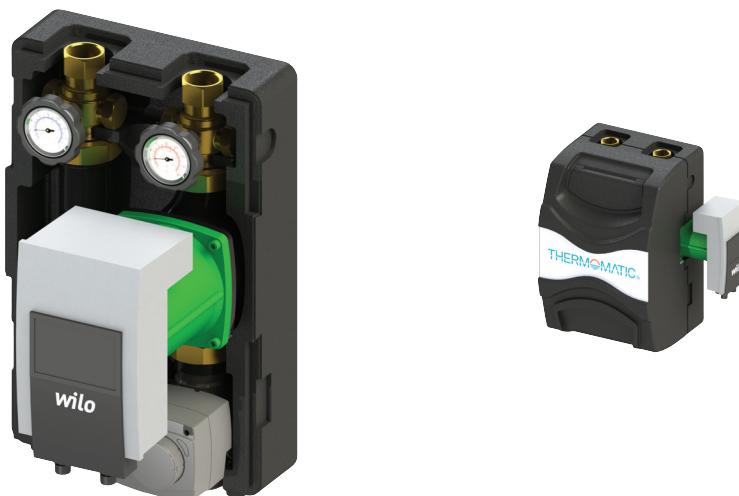
Connection kit – 2 pcs R25-R25 (1" Rp) shut off valves

Connection kit for manifold – 2 pcs R25-R25 (1" Rp) shut off valves + 2 pcs R25-R40 (1" G - 1½" G) double nipple



THERMOMATIC® 125 DN32

Distrubition group for control of heating or cooling systems, DN32.



Thermomatic 125 is a range of complete distrubition groups with the mixing operation for both heating and cooling applications. The range is based on our reliable mixing valves and our renowned Thermomatic range.

- The distrubition groups are optimised to meet the system's energy needs safely and perfectly, thanks to the available actuator options.
- The insulation's ventilation function protects the device from condensation during cooling applications.
- The highly efficient energy-saving pump, together with dense insulation, provides an energy-efficient distrubition group.
- Simple and tidy installation thanks to its standard installation dimensions.
- Wall bracket included as standard.
- When installing more than one distrubition group the manifold makes a neat and easy installation.

Technical data

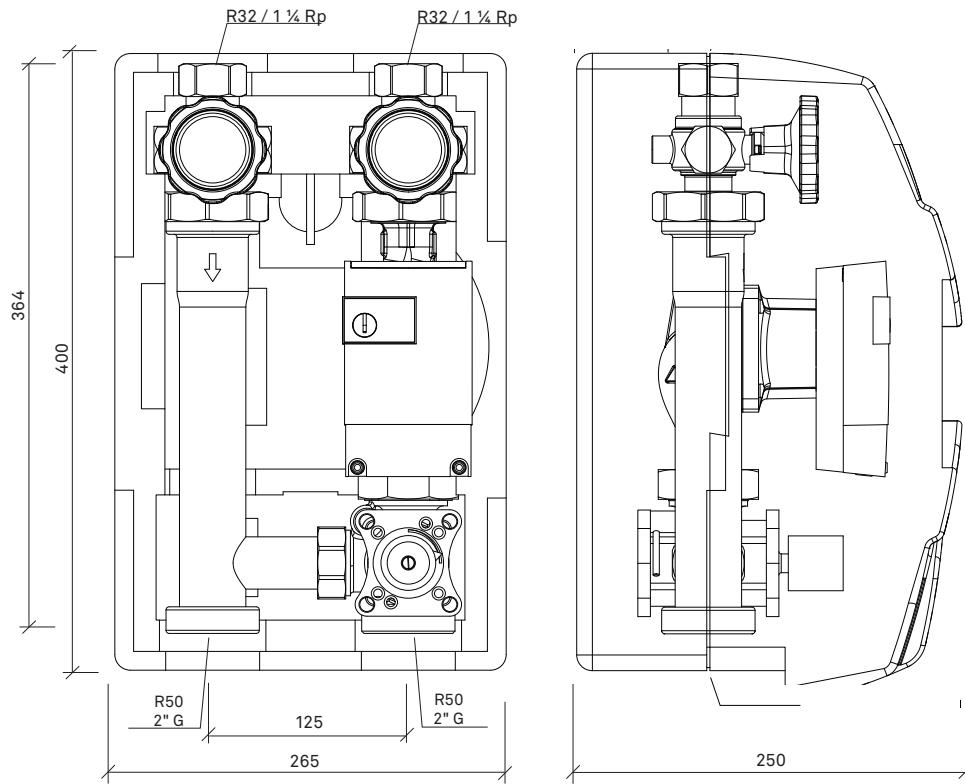
Actuator:	Without actuator Thermomatic TVM Thermomatic CC Thermomatic EC Home Thermomatic EC Home WL
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Pump:	7,5 m, 180 mm 10 m, 180 mm
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Connections:	R32
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Kvs value:	17,0
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Dimensions and connections



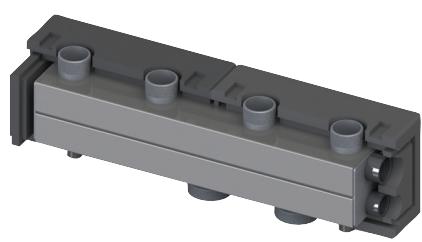
Accessories

Manifold – For connecting 2, 3, 4 or 5 units. All needed gaskets and reducers included

Wall bracket for manifold

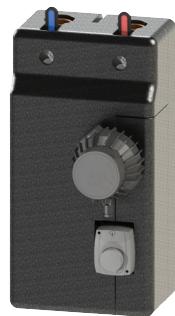
Hydraulic separator – For systems without natural separator, i.e. without accumulator tank

Connection kit – 2 pcs R50-R32 (2" - 1 1/4" Rp) shut off valves



THERMOMATIC® 160 DN40

Distrubition group for control of heating or cooling systems, DN40.



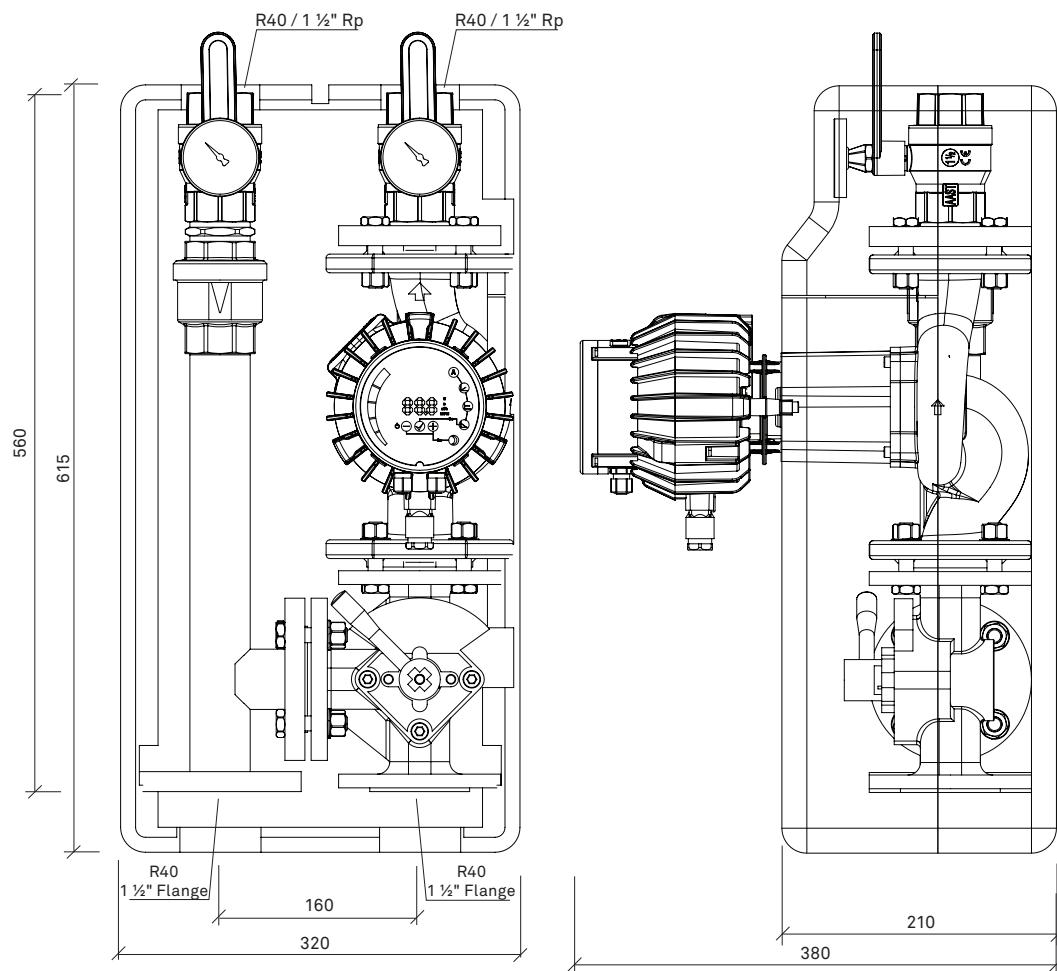
Thermomatic 125 is a range of complete distrubition groups with the mixing operation for both heating and cooling applications. The range is based on our reliable mixing valves and our renowned Thermomatic range.

- The distrubition groups are optimised to meet the system's energy needs safely and perfectly, thanks to the available actuator options.
- The insulation's ventilation function protects the device from condensation during cooling applications.
- The highly efficient energy-saving pump, together with dense insulation, provides an energy-efficient distrubition group.
- Simple and tidy installation thanks to its standard installation dimensions.
- Wall bracket included as standard.
- When installing more than one distrubition group the manifold makes a neat and easy installation.

Technical data

Actuator:	Without actuator Thermomatic TVM (15 Nm) Thermomatic CC
Pump:	NMT Max 40 12 m, 250 mm
Connections:	R40 - R40 flange (PN6)
Kvs value:	30,0

Dimensions and connections



Accessories

Manifold – For connecting 2, 3, 4 or 5 units. All needed gaskets and reducers included

Wall bracket for manifold

Hydraulic separator – For systems without natural separator, i.e. without accumulator tank

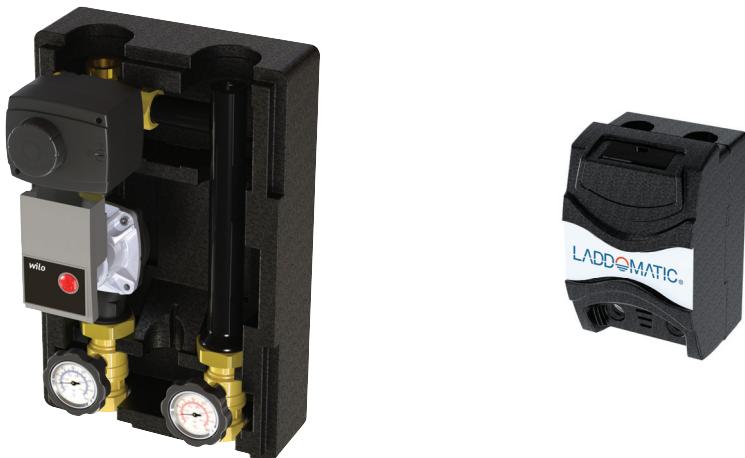
Support legs – For holding the unit up. Adjustable height.

Reduction DN40-DN32 – For connection of units DN32, CC125, to manifold DN40, CC160



LADDOMATIC® 125 DN25

Motorised charging and anti-condensation group, DN25.



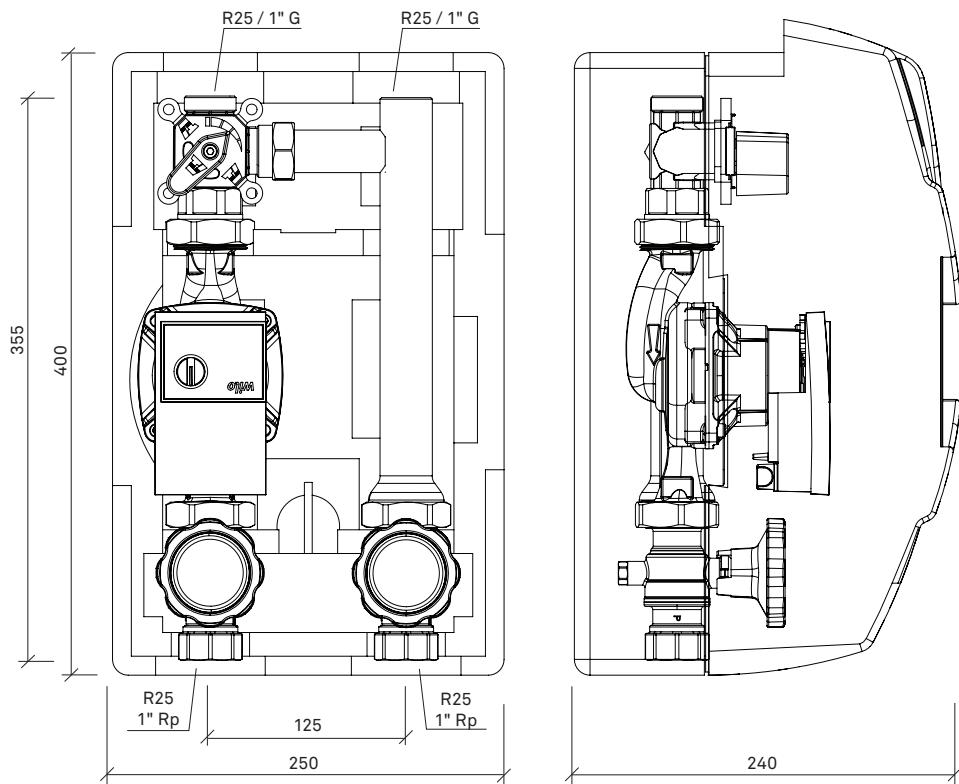
Laddomatic 125 is a series of motorised charging groups for biofuel boilers based on our trusted mixing valves and our renowned Thermomatic range.

- The charging groups have a capacity of up to 70 kW.
- The unit increases the boiler's efficiency by rapidly ensuring that the correct operating temperature is reached.
- The charging groups raise the return temperature to the boiler, which protects the boiler from corrosion and extends its life.
- Our Thermomatic range optimises control perfectly for all kinds of systems.
- The accumulator tank is charged at a low flow in order to ensure that perfect separation is achieved.
- The highly efficient energy-saving pump, together with dense insulation, provides an energy-efficient charging group.
- Easy installation through standardised installation dimensions and connections.
- Wall bracket included as standard.

Technical data

Actuator:	Without actuator Thermomatic TVM Thermomatic CC
Pump	6 m, 180 mm
Connections:	R25
Kvs value:	10,0
Max. boiler output:	70 kW

Dimensions and connections

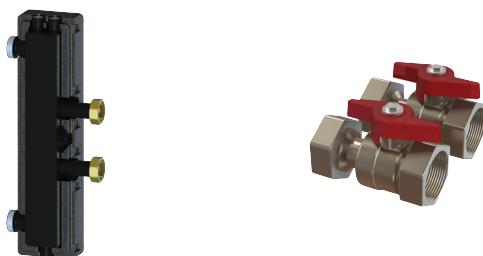


Accessories

Hydraulic separator – For systems without natural separator, i.e. without accumulator tank

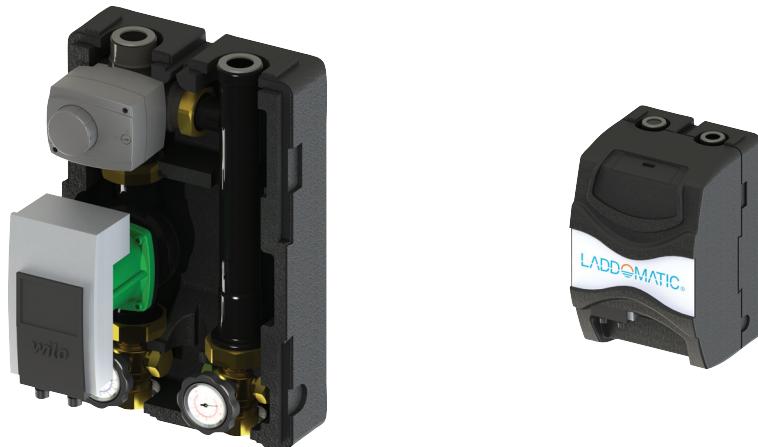
Check valve – Prevents self-circulation

Connection kit – 2 pcs R25-R25 (1" Rp) shut off valves



LADDOMATIC® 125 DN32

Motorised charging and anti-condensation group, DN32.



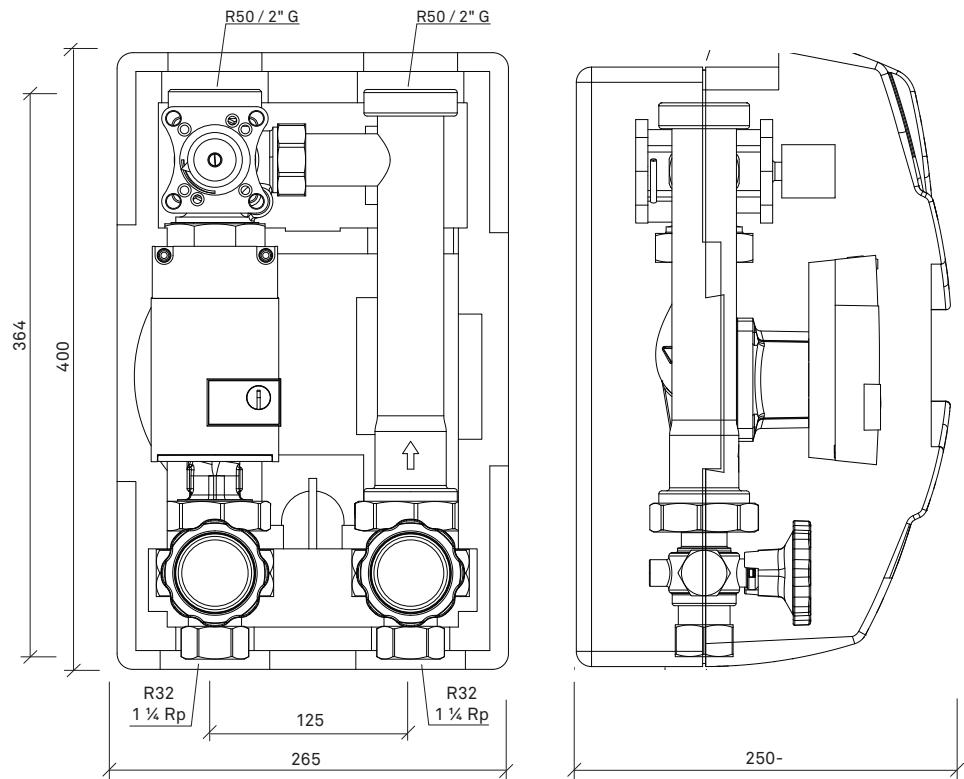
Laddomatic 125 is a series of motorised charging groups for biofuel boilers based on our trusted mixing valves and our renowned Thermomatic range.

- The charging groups have a capacity of up to 170 kW.
- The unit increases the boiler's efficiency by rapidly ensuring that the correct operating temperature is reached.
- The charging groups raise the return temperature to the boiler, which protects the boiler from corrosion and extends its life.
- Our Thermomatic range optimises control perfectly for all kinds of systems.
- The accumulator tank is charged at a low flow in order to ensure that perfect separation is achieved.
- The highly efficient energy-saving pump, together with dense insulation, provides an energy-efficient charging group.
- Easy installation through standardised installation dimensions and connections.
- Wall bracket included as standard.

Technical data

Actuator:	Without actuator Thermomatic TVM Thermomatic CC
Pump:	7,5 m, 180 mm (max 95 kW) 10 m, 180 mm (max 170 kW)
Connections:	R32
Kvs value:	17,0
Max. boiler output:	170 kW

Dimensions and connections



Accessories

Hydraulic separator – For systems without natural separator, i.e. without accumulator tank

Connection kit – 2 pcs R50-R32 (2" - 1 1/4" Rp) shut off valves



LADDOMATIC. 160 DN40

Motorised charging and anti-condensation group, DN40



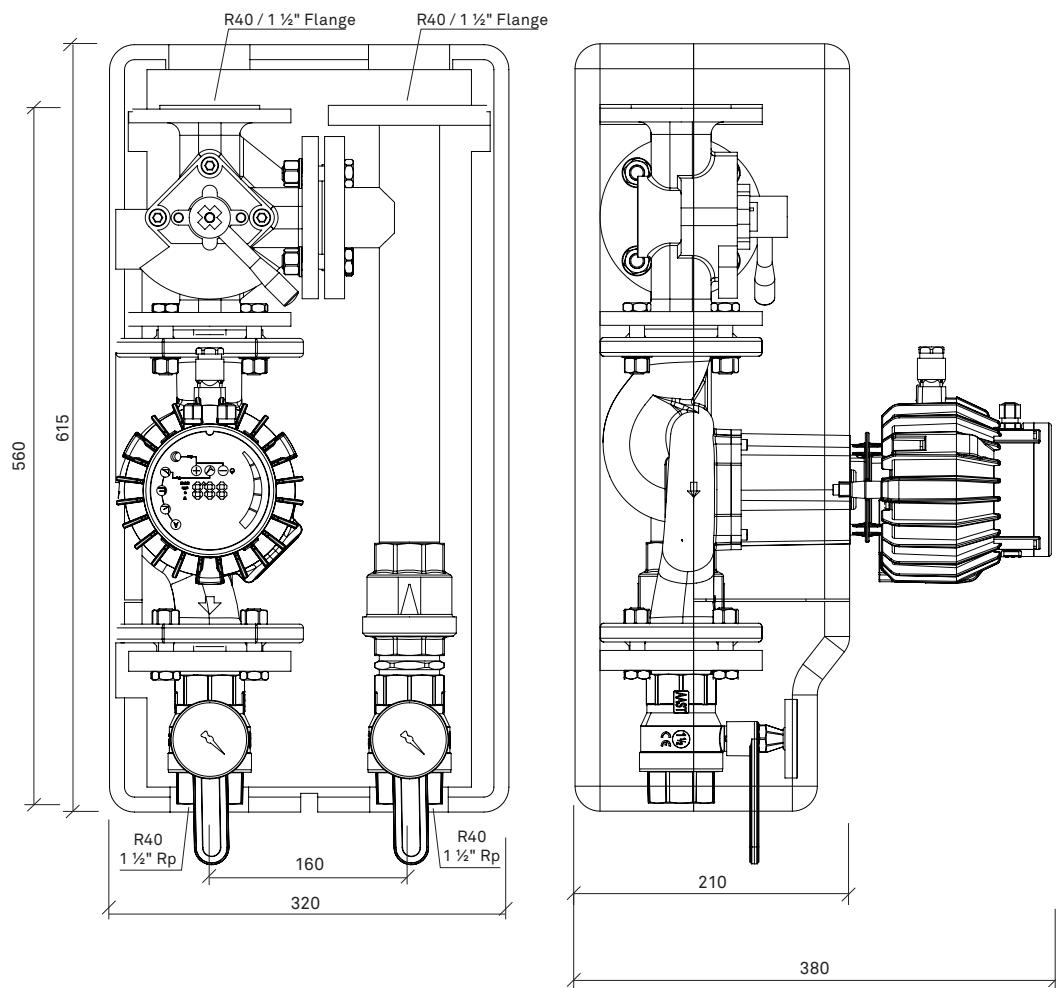
Laddomatic 160 is a series of motorised charging groups for biofuel boilers. The charging group is specially designed to manage larger installations and buildings.

- The charging groups have a capacity of up to 460 kW.
- The unit increases the boiler's efficiency by rapidly ensuring that the correct operating temperature is reached.
- The charging groups raise the return temperature to the boiler, which protects the boiler from corrosion and extends its life.
- Our Thermomatic range optimises control perfectly for all kinds of systems.
- The accumulator tank is charged at a low flow in order to ensure that perfect separation is achieved.
- The highly efficient energy-saving pump, together with dense insulation, provides an energy-efficient charging group.
- Easy installation through standardised installation dimensions and connections.

Technical data

Actuator:	Without actuator Thermomatic TVM (15 Nm) Thermomatic CC
Pump:	NMT Max 40 12 m, 250 mm
Connections:	R40 - R40 flange (PN6)
Kvs value:	30,0
Max. boiler output:	460 KW

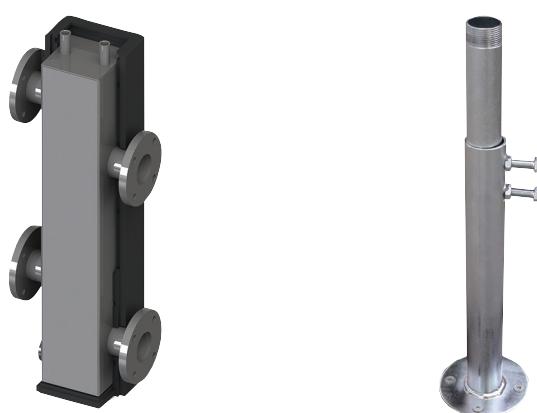
Dimensions and connections



Accessories

Hydraulic separator – For systems without natural separator, i.e. without accumulator tank

Support legs – For holding the unit up. Adjustable height



LADDOMAT® 125 DN25

Thermal charging and anti-condensation group, DN25.



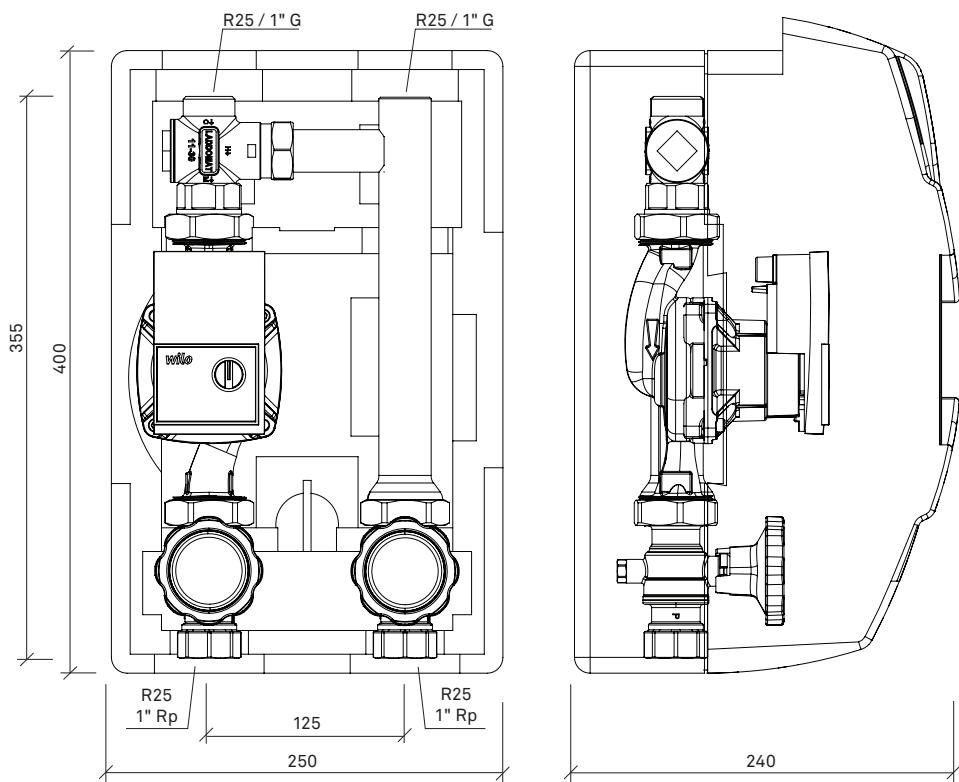
Laddomat 125 is a thermal charging group for biofuel boilers, based on our well-known Laddomat 11-series.

- The charging group have a capacity of up to 60 kW.
- The charging group raise the return temperature to the boiler, which protects the boiler from corrosion and extends its life.
- The integrated thermal valve increases the boiler's efficiency by rapidly ensuring that the correct operating temperature is reached.
- The accumulator tank is charged at a low flow in order to ensure that perfect separation is achieved.
- The highly efficient energy-saving pump, together with dense insulation, provides an energy-efficient charging group.
- Easy installation through standardised installation dimensions and connections.
- Wall bracket included as standard.

Technical data

Thermal valve:	Laddomat 11-30
Thermostat cartridge:	45°, 53°, 57°, 63°, 66°, 72°, 78°, 83° or 87°C
Pump:	6 m, 180 mm
Connections:	R25
Max boiler output:	60 kW

Dimensions and connections



Accessories

Hydraulic separator – For systems without natural separator, i.e. without accumulator tank

Check valve – Prevents self-circulation

Connection kit – 2 pcs R25-R25 (1" Rp) shut off valves



LADDOMAT® 125 DN32

Thermal charging and anti-condensation group, DN32.



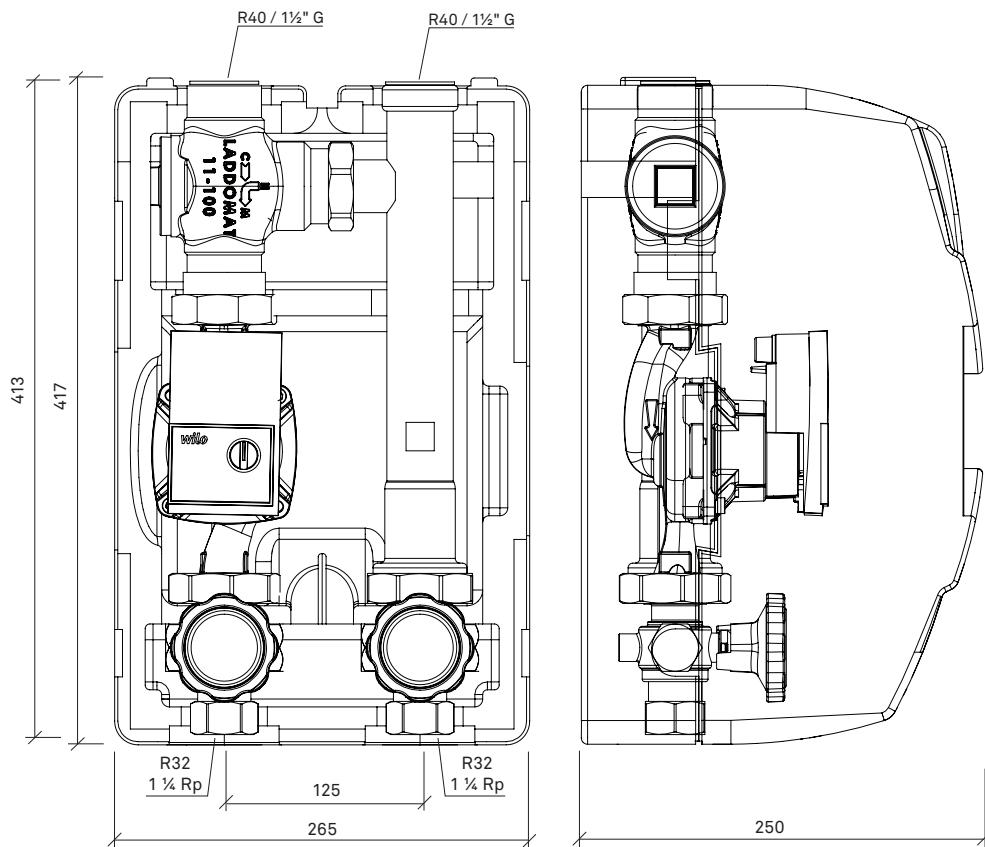
Laddomat 125 is a thermal charging group for biofuel boilers, based on our well-known Laddomat 11-series.

- The charging group have a capacity of up to 90 kW.
- The charging group raise the return temperature to the boiler, which protects the boiler from corrosion and extends its life.
- The integrated thermal valve increases the boiler's efficiency by rapidly ensuring that the correct operating temperature is reached.
- The accumulator tank is charged at a low flow in order to ensure that perfect separation is achieved.
- The highly efficient energy-saving pump, together with dense insulation, provides an energy-efficient charging group.
- Easy installation through standardised installation dimensions and connections.
- Wall bracket included as standard.

Technical data

Thermal valve:	Laddomat 11-200
Thermostat cartridge:	45°, 53°, 57°, 63°, 66°, 72°, 78°, 83° or 87°C
Pump:	7,5 m, 180 mm
Connections:	R32
Max boiler output:	90 kW

Dimensions and connections



Accessories

Hydraulic separator – For systems without natural separator, i.e. without accumulator tank

Connection kit – 2 pcs R50-R32 (2" - 1¼" Rp) shut off valves



LADDOMAT® Pump unit 125

Distrubition group for optimised direct supply of heating or cooling. DN25.



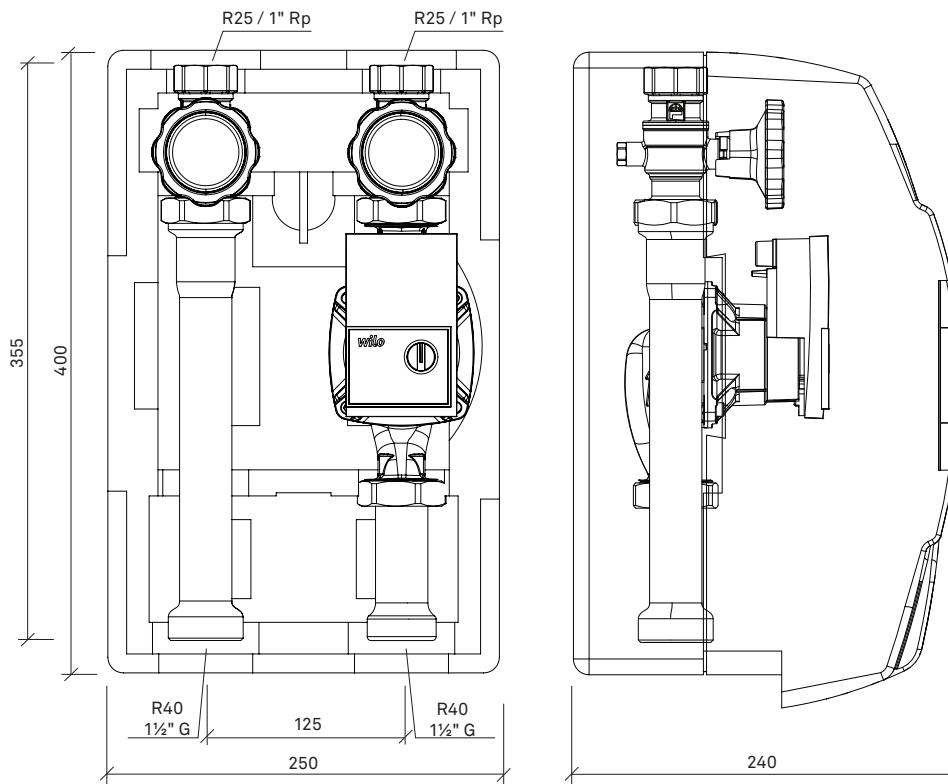
Laddomat Pump unit 125 is a device for direct supply of heating or cooling.

- The insulation's ventilation function protects the device from condensation during cooling applications.
- The highly efficient energy-saving pump, together with dense insulation, provides an energy-efficient unit.
- Simple installation thanks to its standard installation dimensions.
- Wall bracket included as standard.
- When installing more than one distribution unit the manifold makes a neat and easy installation.

Technical data

Pump:	6 m, 180 mm
Connections:	R40 - R25

Dimensions and connections



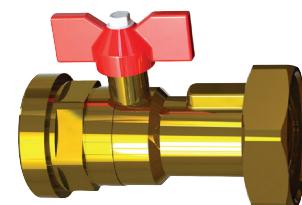
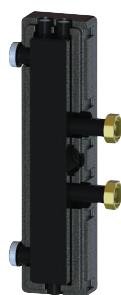
Accessories

Manifold – For connecting 2, 3, 4 or 5 units. All needed gaskets and reducers included

Wall bracket for manifold

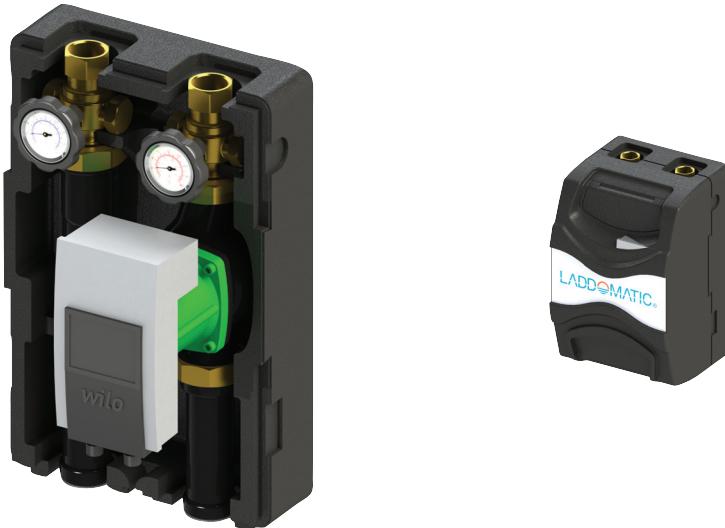
Hydraulic separator – For systems without natural separator, i.e. without accumulator tank

Shut off valve R40-R40 (1½" Rp)



LADDOMAT® Pump unit 125

Distrubition group for optimised direct supply of heating or cooling. DN32.



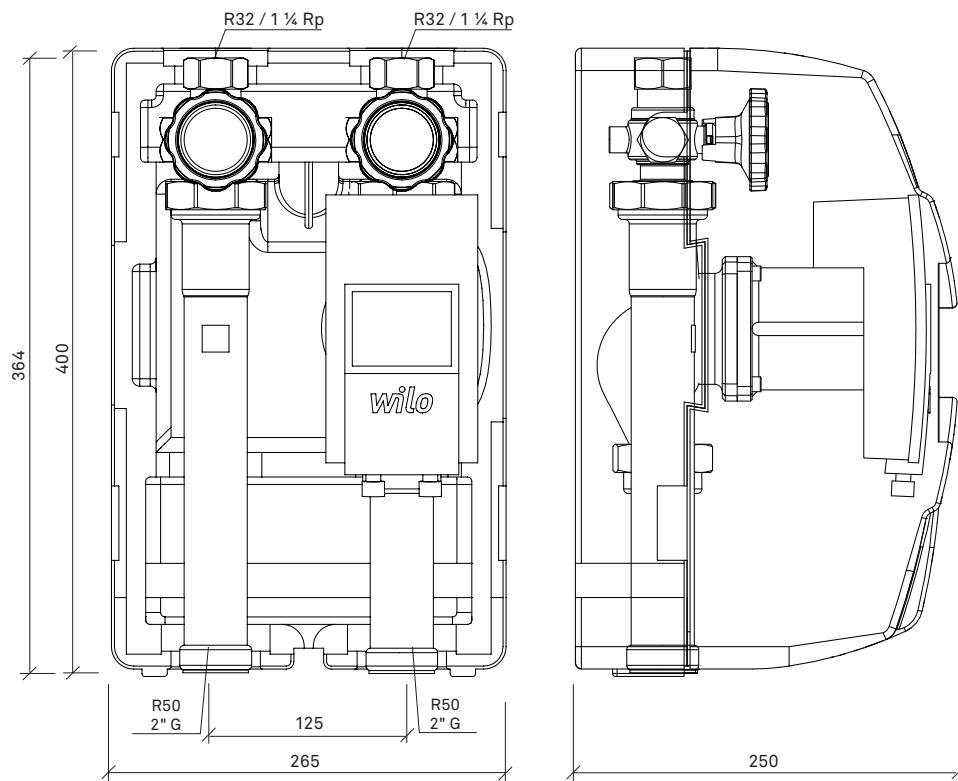
Laddomat Pump unit 125 is a device for direct supply of heating or cooling.

- The insulation's ventilation function protects the device from condensation during cooling applications.
- The highly efficient energy-saving pump, together with dense insulation, provides an energy-efficient unit.
- Simple installation thanks to its standard installation dimensions.
- Wall bracket included as standard.
- When installing more than one distrubition unit the manifold makes a neat and easy installation.

Technical data

Pump:	7,5 m, 180 mm 10 m, 180 mm
Connections:	R50 – R32

Dimensions and connections



Accessories

Manifold – For connecting 2, 3, 4 or 5 units. All needed gaskets and reducers included

Wall bracket for manifold

Hydraulic separator – For systems without natural separator, i.e. without accumulator tank



LADDOMAT® Pump unit 160

Distrubition group for optimised direct supply of heating or cooling. DN40.



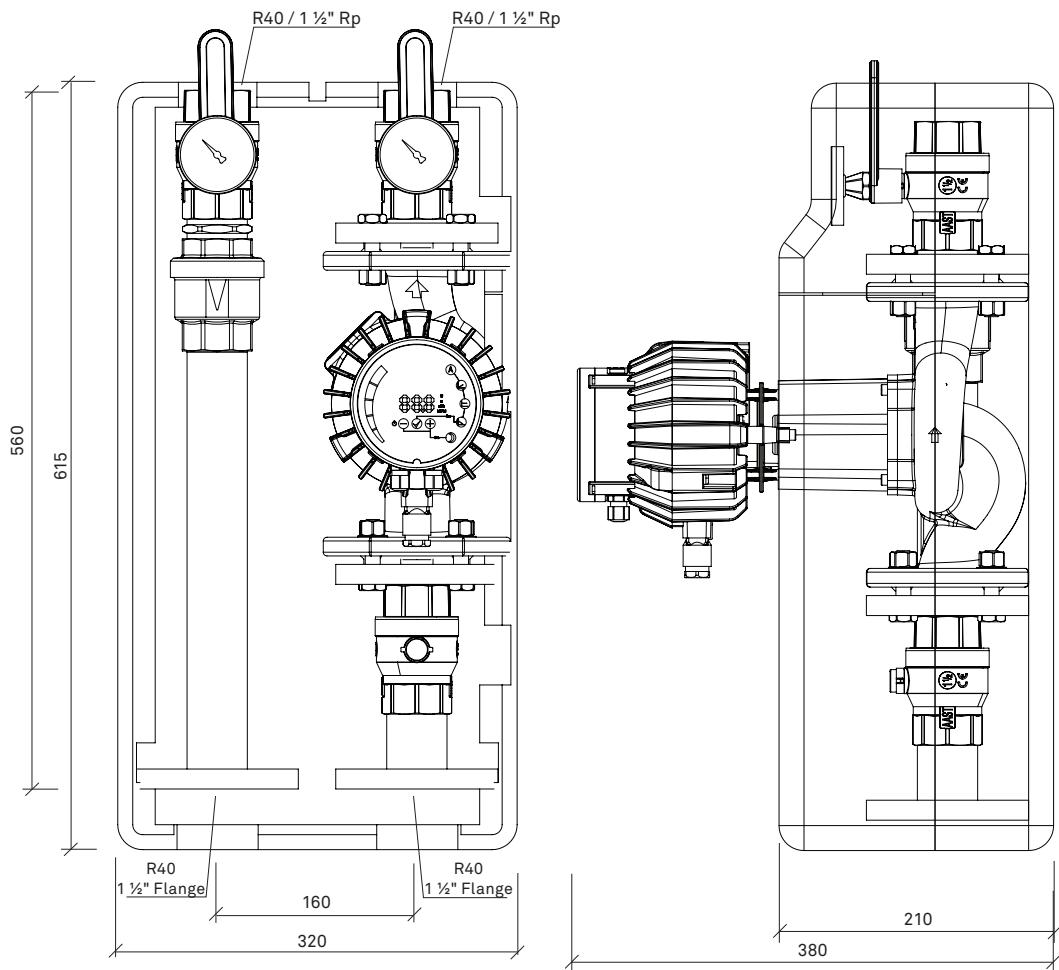
Laddomat Pump unit 160 is a device for direct supply of heating or cooling.

- The insulation's ventilation function protects the device from condensation during cooling applications.
- The highly efficient energy-saving pump, together with dense insulation, provides an energy-efficient unit.
- Simple installation thanks to its standard installation dimensions.
- Wall bracket included as standard.
- When installing more than one distrubition unit the manifold makes a neat and easy installation

Technical data

Pump:	NMT Max 40 12 m, 180 mm
Connections:	R40

Dimensions and connections



Accessories

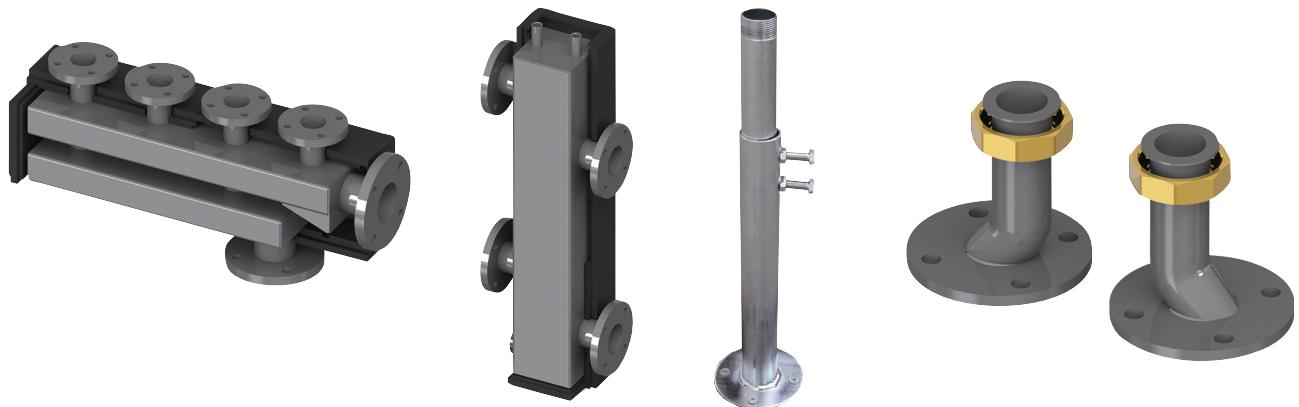
Manifold – For connecting 2, 3, 4 or 5 units. All needed gaskets and reducers included

Wall bracket for manifold

Hydraulic separator– For systems without natural separator, i.e. without accumulator tank

Support legs – For holding the unit up. Adjustable height

Reduction DN40-DN32 – For connection of units DN32, CC125, to manifold DN40, CC160



Made in Sweden

Assar Thomasson started a plumbing company in Marbäck in 1951. Like most plumbers, he considered different ways of improving and developing the products within the industry.

The result was the company BT-ventiler, which manufactured the so-called vacuum clip valve that prevented drips from the injectors in oil burners. Another product was Termoshunt, which used bimetal regulation of the supply temperature, and was controlled by a liquid-filled bulb placed outdoors. In 1981 Termoventiler AB was established with the aim of developing and selling valves and automatic controls for accumulating heating systems under the trademarks Laddomat® and Thermomatic®.

After running the company successfully, Assar retired and handed over to his son Anders who further developed the company and the products. In 1998 the operations moved to purpose-built premises in Marbäck in the beautiful Ulricehamn Municipality, where all the company's products are manufactured. In 2006, Anders Thomasson sold the company to the Pomona Group – a strong and long-term industrial owner that is owned by the Rapp family.

The company is very well equipped to meet the future, both in terms of financial position and product development.

**Termoventiler AB is represented
in the following countries:**

Australia, Belgium, Bulgaria, Chile, Denmark, Estonia, Finland, France, Greece, Ireland, Italy, Canada, Croatia, Latvia, Liechtenstein, Lithuania, Moldova, the Netherlands, New Zealand, Norway, Austria, Poland, Portugal, Romania, Russia, Switzerland, Serbia, Slovakia, Slovenia, Spain, Sweden, the Czech Republic, Turkey, Germany, Ukraine, Hungary, USA and Belarus.

EC – Declaration of conformity: Laddomat® products, as delivered,
are CE-certified according to relevant provisions.



All high efficiency pumps applies to European directive for energy related products. ErP 2009/125/EC.
For deliveries inside EU, only high efficiency pumps are used.





Termoventiler AB
Nolhagavägen 12
SE-523 93 Marbäck
Sweden

Tel. +46 (0) 321 261 80
info@termoventiler.se

TV Termoventiler GmbH
Chemnitzer Straße 71
DE-09212 Limbach-Oberfrohna
Germany

Tel. +49 (0) 3722 50 57 00
info@termoventiler.de



termoventiler.eu

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