



MADE BY REAL HUMANS



ROBOT[®]

CLIMATE COMFORT SYSTEMS

MADE BY REAL HUMANS

Robot Climate Comfort Systems

Robot produces high quality manifolds and besides that offers all products needed for a complete solution. You could think of calculations, drawings, pipes, room controls and installation materials.

Is that all? Are we not more than that?

As Robot we are convinced that we should not be just another producer, but we should be different. Better!

Our customers are happy with what we do. Not just for our products, but also because of the personal attention that we give to everyone. From distributor to installer. From multinational up to sole proprietorship. Your challenges become our challenge. We walk the extra mile with pleasure.

We are Robot, but work as real humans, personal service is our focus.

Because we just want the best for our customers, we simply manufacture all our products in The Netherlands. High quality, consistent and near by.



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OUR TEAM



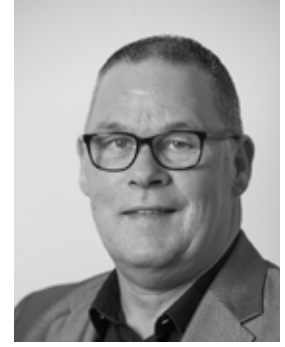
SIM WOUD



CHRISTIAN SCHNEIDER



H LEN KILJAN



DANNY BOEKHOLT



TAMARA VAN STAALDIJNEN



RONALD VERVAT



MIRANDA VAN WEEL



CHLOE HARING



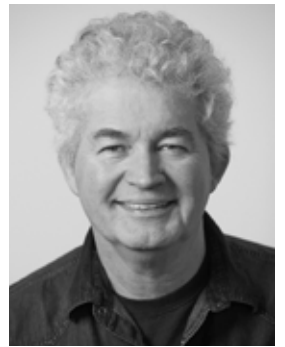
TERRY RENNEKE



WESLEY VAN RIJN



ROLAND VAN SONSBEEK



HENK VAN ZANTEN



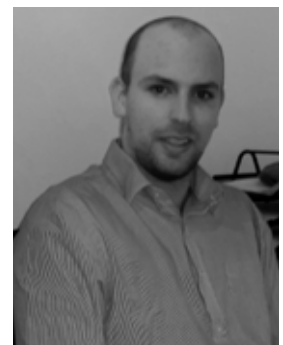
ILONA VAN DER LINDEN



MARCEL VERVAT



STUART ALLEN



KYLE SCOTT



MANIFOLDS

COMPACT

HIGH PERFORMANCE ALLROUNDER

The Robot Compact manifold is a premium allrounder, which is suitable for main- or secondary heating. Solid and compact.

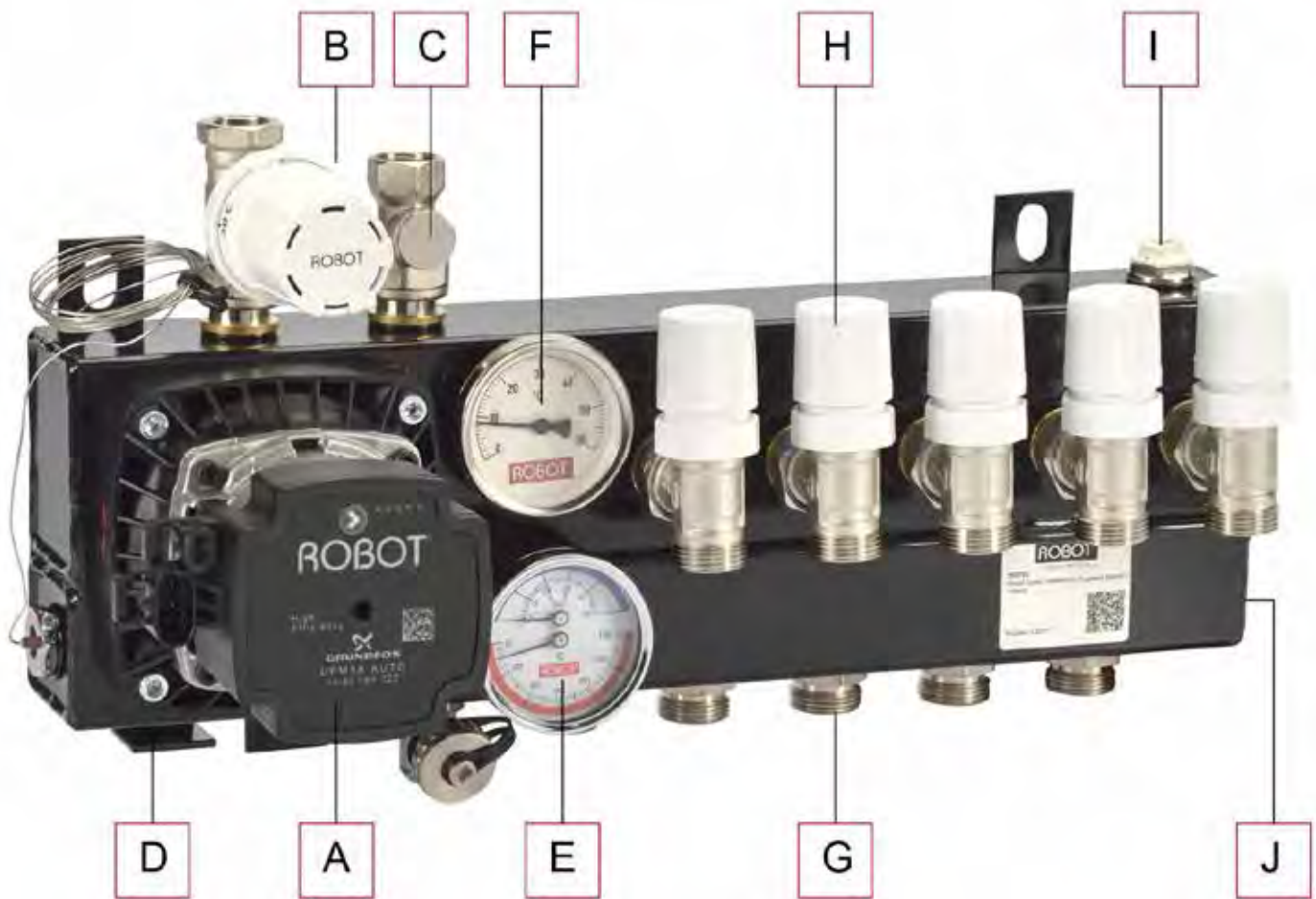


- Compact manifold: from 235 mm wide (1-group)
- Available 1-15 group
- Hydraulically neutral (can be changed to positive)
- High-temperature system: 70-90°C supply (primary) / 40°C return (primary)
- Grundfos circulation pump
- Available with A-exact TA balancing valve (optional)

SPECIFICATIONS

- Energy Label A circulation pump:
 - Grundfos pump UPM3-O 15-60 AUTOadapt
 - Wilo Yonos
- Thermostatic control, with temperature sensor and sensor pocket
- Central heating supply valve and adjustable return valve:
 - 1-5 group manifold: ½" connection
 - 6-10 group manifold: ¾" connection
 - 11-15 group manifold: 1" connection
- Overheating safety device with set temperature of 60°C +/- 5K
- Temperature gauges for the underfloor flow and return water
- Group valves prepared for thermal actuators (M30x1,5)
- ¾" eurocone connections
- ½" air bleed valve
- Blanking cap for hydraulic active connection of the manifold

COMPACT



Note to image:

- A. Energy label A circulation pump (Grundfos UPM3-O 15-60 AUTOadapt)
- B. Thermostatic regulating valve
- C. Manifold return valve
- D. Temperature safety stat 60°C +/- 5K
- E. Flow pressure/temperature gauge 63 mm 0-6 bar/0-120°C
- F. Return temperature gauge
- G. Euro connectors for connection of pipe
- H. Thermostatic valve (M30x1,5) for manual adjustment or connecting a thermal actuator
- I. Air bleed valve
- J. Connection for creating a hydraulically positive manifold

COMPACT

Art.no.	Description	Length mm	Depth mm	Height mm	Weight kg	Product group
250701	Compact manifold 1-Group, with Grundfos UPM3-O 15-60 AUTOadapt, conn. ½"	235	180	130	6	1
250702	Compact manifold 2-Group, with Grundfos UPM3-O 15-60 AUTOadapt, conn. ½"	285	180	130	7	1
250703	Compact manifold 3-Group, with Grundfos UPM3-O 15-60 AUTOadapt, conn. ½"	335	180	130	8	1
250704	Compact manifold 4-Group, with Grundfos UPM3-O 15-60 AUTOadapt, conn. ½"	385	180	130	9	1
250705	Compact manifold 5-Group, with Grundfos UPM3-O 15-60 AUTOadapt, conn. ½"	435	180	130	10	1
250706	Compact manifold 6-Group, with Grundfos UPM3-O 15-60 AUTOadapt, conn. ¾"	485	180	130	10	1
250707	Compact manifold 7-Group, with Grundfos UPM3-O 15-60 AUTOadapt, conn. ¾"	535	180	130	11	1
250708	Compact manifold 8-Group, with Grundfos UPM3-O 15-60 AUTOadapt, conn. ¾"	585	180	130	12	1
250709	Compact manifold 9-Group, with Grundfos UPM3-O 15-60 AUTOadapt, conn. ¾"	635	180	130	13	1
250710	Compact manifold 10-Group, with Grundfos UPM3-O 15-60 AUTOadapt, conn. ¾"	685	180	130	14	1
250711	Compact manifold 11-Group, with Grundfos UPM3-O 15-60 AUTOadapt, conn. 1"	735	180	130	16	1
250712	Compact manifold 12-Group, with Grundfos UPM3-O 15-60 AUTOadapt, conn. 1"	785	180	130	16	1
250713	Compact manifold 13-Group, with Grundfos UPM3-O 15-60 AUTOadapt, conn. 1"	835	180	130	18	1
250714	Compact manifold 14-Group, with Grundfos UPM3-O 15-60 AUTOadapt, conn. 1"	885	180	130	18	1
250715	Compact manifold 15-Group, with Grundfos UPM3-O 15-60 AUTOadapt, conn. 1"	935	180	130	19	1
402420	Pre-mounted Robot TA A-exact group valve ½" angeled eurocone (optional)					4

OPTIMUM FLOW

THE OPTIMAL UNDERFLOOR HEATING TECHNIQUE

With the Robot Optimum Flow manifold you have all the options for fine tuning the installation and saving energy. Our absolute top line!

The best materials for maximum comfort with excellent value for money. Robot underfloor manifolds are manufactured from European produced steel hollow sections with a thickness of 3mm and unique with a composite Grundfos pumphouse. The pump housing is mounted stress-free, so no annoying pump noise may occur.

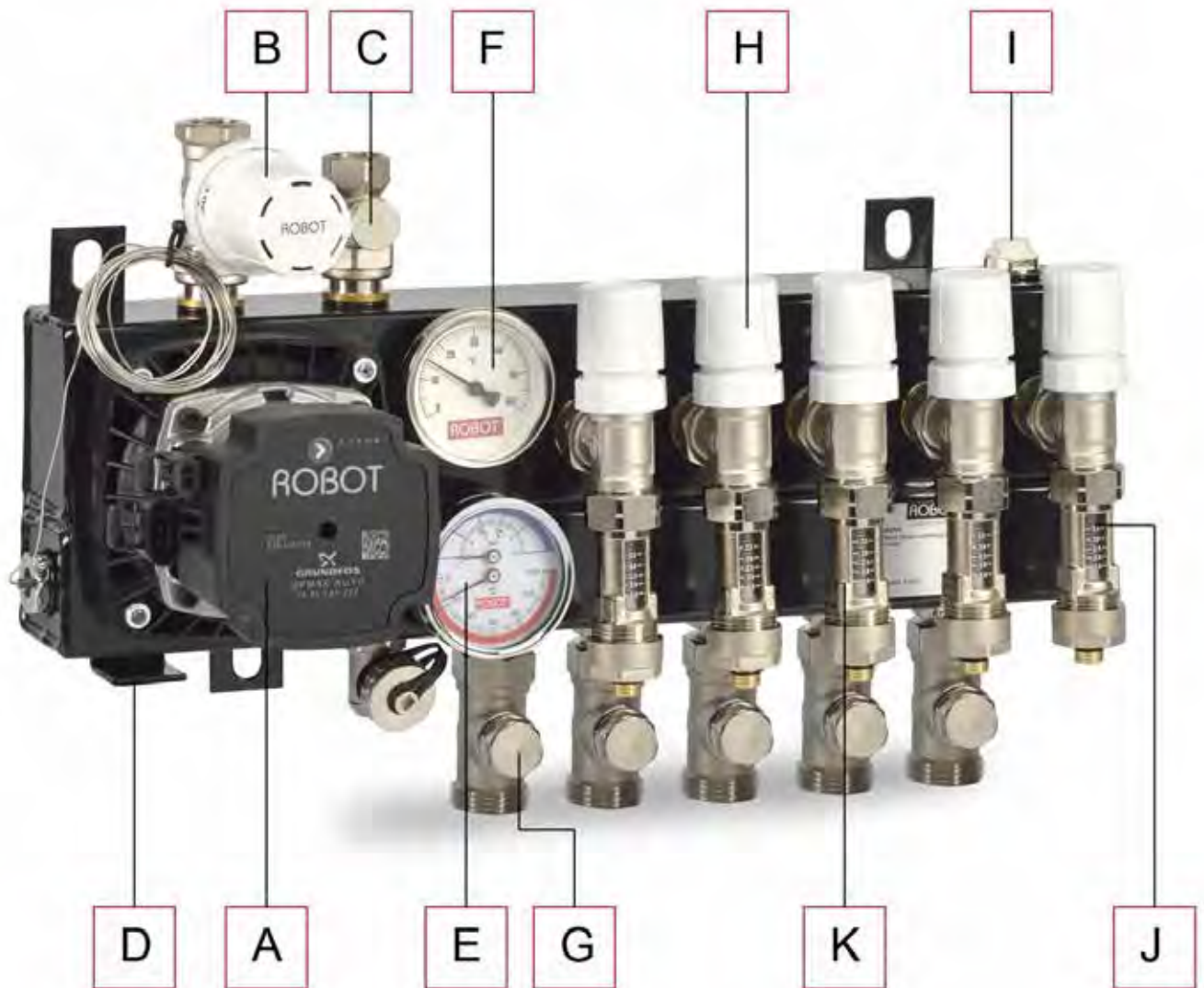


- Compact manifold units
- Low energy consumption
- Easy to install and fine tuning the installation
- Available with A-exact TA balancing valve (optional)
- Optimum value for money

SPECIFICATIONS

- Grundfos UPM3-O 15-60 AUTOadapt circulation pump
 - no pump switch needed
 - automatic stable pressure and flow
 - energy Label A
- Available in 1 - 15 groups
- Hydraulically neutral (can be changed to positive)
- Thermostatic control, with temperature sensor and sensor pocket
- Central heating supply valve and adjustable return valve:
 - 1-5 group manifold: ½" connection
 - 6-10 group manifold: ¾" connection
 - 11-15 group manifold: 1" connection
- Overheating safety device with set temperature of 60°C +/- 5°K
- Temperature gauges for the underfloor flow and return water
- Group valves prepared for thermal actuators (M30x1,5)
- Flow valve ½" x ¾" eurocone connection
- Brass flow meters ½" x ¾" eurocone connection
- ½" air bleed valve
- Blanking cap for hydraulic active connection of the manifold
- Flowmeters

OPTIMUM FLOW



Note to image:

- A. Energy label A circulation pump (Grundfos UPM3-O 15-60 AUTOadapt)
- B. Thermostatic regulating valve
- C. Manifold return valve
- D. Temperature safety stat 60°C +/- 5K
- E. Flow pressure/temperature gauge 63 mm 0-6 bar/0-120°C
- F. Return temperature gauge
- G. Robot single adjustable flow valve ½" x ¾" EC
- H. Thermostatic valve (M30x1,5) for manual adjustment or connecting a thermal actuator
- I. Air bleed valve
- J. Connection for creating a hydraulically positive manifold
- K. Robot flowmeter (½" x ¾" eurocone)

OPTIMUM FLOW

Art.no.	Description	Length mm	Depth mm	Height mm	Weight kg	Product group
220721	Optimum Flow unit with flow valve and flow meter 1-Group, with Grundfos UPM3-O 15-60 AUTOadapt, conn. ½"	235	210	180	6	1
220722	Optimum Flow unit with flow valve and flow meter 2-Group, with Grundfos UPM3-O 15-60 AUTOadapt, conn. ½"	285	210	180	7	1
220723	Optimum Flow unit with flow valve and flow meter 3-Group, with Grundfos UPM3-O 15-60 AUTOadapt, conn. ½"	335	210	180	8	1
220724	Optimum Flow unit with flow valve and flow meter 4-Group, with Grundfos UPM3-O 15-60 AUTOadapt, conn. ½"	385	210	180	9	1
220725	Optimum Flow unit with flow valve and flow meter 5-Group, with Grundfos UPM3-O 15-60 AUTOadapt, conn. ½"	435	210	180	10	1
220726	Optimum Flow unit with flow valve and flow meter 6-Group, with Grundfos UPM3-O 15-60 AUTOadapt, conn. ¾"	485	210	180	10	1
220727	Optimum Flow unit with flow valve and flow meter 7-Group, with Grundfos UPM3-O 15-60 AUTOadapt, conn. ¾"	535	210	180	11	1
220728	Optimum Flow unit with flow valve and flow meter 8-Group, with Grundfos UPM3-O 15-60 AUTOadapt, conn. ¾"	585	210	180	12	1
220729	Optimum Flow unit with flow valve and flow meter 9-Group, with Grundfos UPM3-O 15-60 AUTOadapt, conn. ¾"	635	210	180	13	1
220730	Optimum Flow unit with flow valve and flow meter 10-Group, with Grundfos UPM3-O 15-60 AUTOadapt, conn. ¾"	685	210	180	14	1
220731	Optimum Flow unit with flow valve and flow meter 11-Group, with Grundfos UPM3-O 15-60 AUTOadapt, conn. 1"	785	210	180	16	1
220732	Optimum Flow unit with flow valve and flow meter 12-Group, with Grundfos UPM3-O 15-60 AUTOadapt, conn. 1"	785	210	180	16	1
220733	Optimum Flow unit with flow valve and flow meter 13-Group, with Grundfos UPM3-O 15-60 AUTOadapt, conn. 1"	885	210	180	18	1
220734	Optimum Flow unit with flow valve and flow meter 14-Group, with Grundfos UPM3-O 15-60 AUTOadapt, conn. 1"	885	210	180	18	1
220735	Optimum Flow unit with flow valve and flow meter 15-Group, with Grundfos UPM3-O 15-60 AUTOadapt, conn. 1"	935	210	180	19	1
402420	Pre-mounted Robot TA A-exact group valve ½" angeled eurocone (optional)					4

LOW TEMPERATURE, HIGH EFFICIENCY

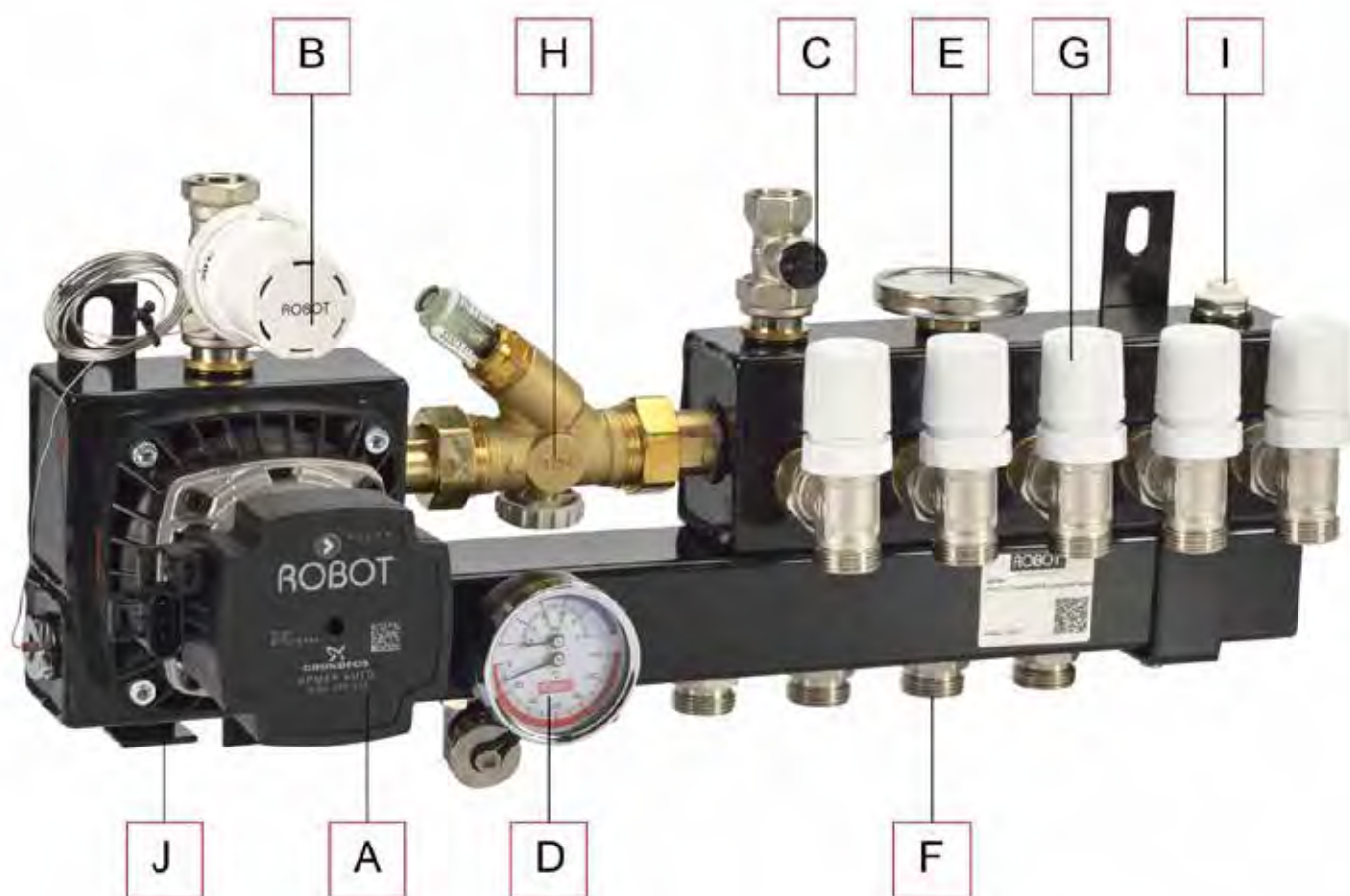
Suitable for connection to a low-temperature heat source, such as boilers with low flow temperatures (60 ° C/40 ° C), HR boilers with modulating burners, heating systems, solar and heat pumps. Clever technique for a competitive price.



- Suitable for systems with low temperature supply, HR CV-boiler with modulating heater, heating systems on solar energy and heat pumps
- Low-temperature system: up to 60°C supply (primary)
- Available 1-10 group
- Return water adjustable (secondary)
- Grundfos circulation pump

SPECIFICATIONS

- WattFlow regulating valve
- Energy Label A circulation pump:
 - Grundfos pump UPM3-O 15-60 AUTOadapt
 - Wilo Yonos
- Thermostatic control, with temperature sensor and sensor socket
- Central heating supply valve and adjustable return valve:
 - 1-5 group manifold: ½" connection
 - 6-10 group manifold: ¾" connection
- Overheating safety device with set temperature of 60°C +/- 5°K
- Temperature gauges for the underfloor flow and return water
- Group valves prepared for thermal actuators (M30x1,5)
- ¾" eurocone connections
- ½" air bleed valve



Note to Image:

- A. Grundfos circulation pump (Grundfos UPM3-O 15-60 AUTOadapt)
- B. Thermostatic regulating valve
- C. Manifold return valve
- D. Flow pressure/temperature gauge 63 mm 0-6 bar/0-120°C
- E. Return temperature gauge
- F. Euro connectors for connection of pipe
- G. Thermostatic valve (M30x1,5) For manual adjustment or connecting a thermal actuator
- H. Watts Adjustable valve, Type Wattflow 1"
- I. Air bleed valve
- J. Temperature safety stat 60°C +/- 5K

Art.no.	Description	Length mm	Depth mm	Height mm	Weight kg	Product group
250781	LTV manifold 1-Group, with Grundfos UPM3-O 15-60 AUTOadapt, conn. ½"	420	180	130	8	1
250782	LTV manifold 2-Group, with Grundfos UPM3-O 15-60 AUTOadapt, conn. ½"	420	180	130	9	1
250783	LTV manifold 3-Group, with Grundfos UPM3-O 15-60 AUTOadapt, conn. ½"	420	180	130	9	1
250784	LTV manifold 4-Group, with Grundfos UPM3-O 15-60 AUTOadapt, conn. ½"	470	180	130	10	1
250785	LTV manifold 5-Group, with Grundfos UPM3-O 15-60 AUTOadapt, conn. ½"	520	180	130	11	1
250786	LTV manifold 6-Group, with Grundfos UPM3-O 15-60 AUTOadapt, conn. ¾"	570	180	130	12	1
250787	LTV manifold 7-Group, with Grundfos UPM3-O 15-60 AUTOadapt, conn. ¾"	620	180	130	13	1
250788	LTV manifold 8-Group, with Grundfos UPM3-O 15-60 AUTOadapt, conn. ¾"	670	180	130	14	1
250789	LTV manifold 9-Group, with Grundfos UPM3-O 15-60 AUTOadapt, conn. ¾"	720	180	130	15	1
250790	LTV manifold 10-Group, with Grundfos UPM3-O 15-60 AUTOadapt, conn. ¾"	770	180	130	15	1
402420	Pre-mounted Robot TA A-exact group valve ½" angeled eurocone (optional)					4

DISTRICT HEATING

ECO-HEAT AT ITS BEST

The Robot District Heating manifold is specially designed for use in district heating. In addition, this unit is very compact.

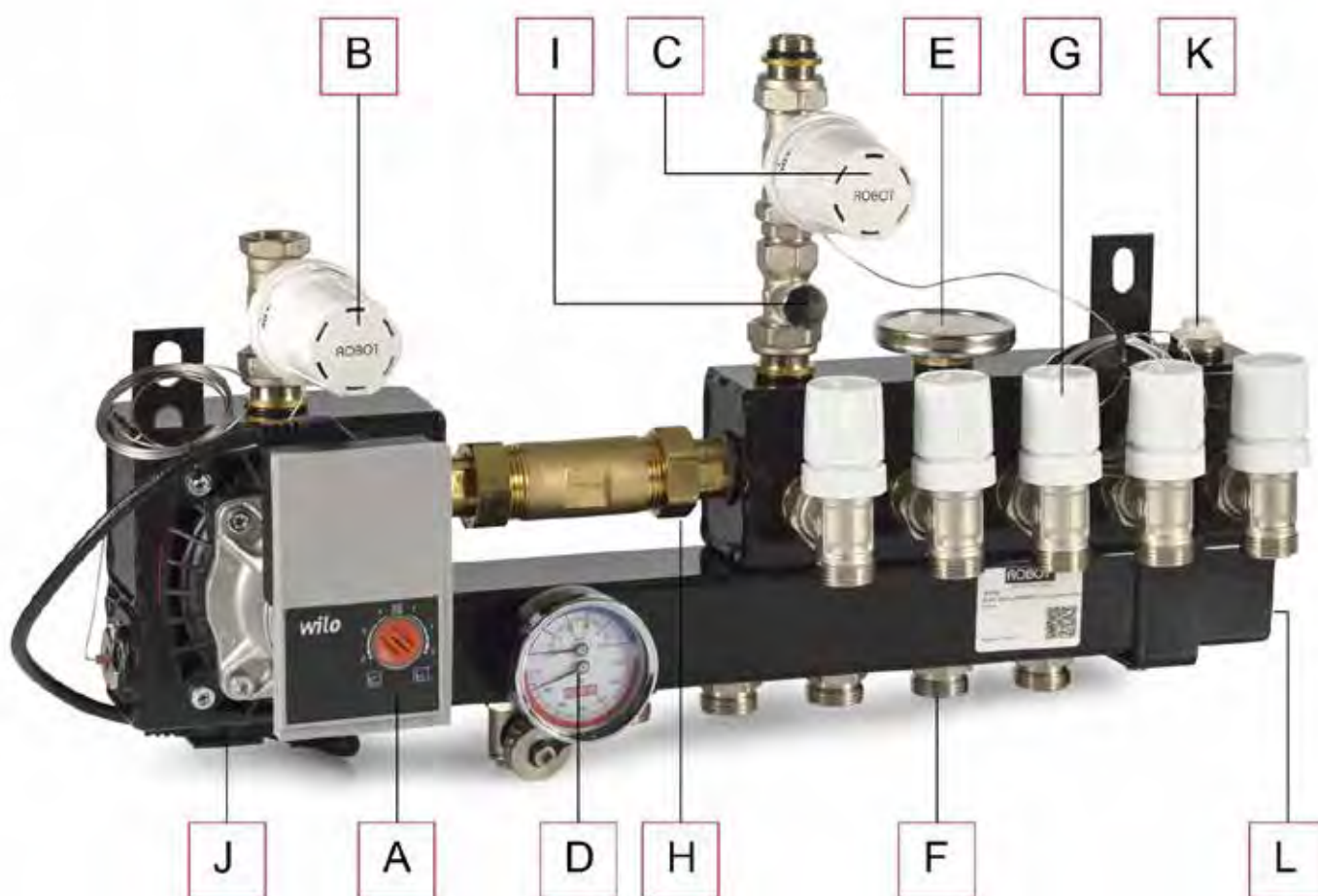


SPECIFICATIONS

- Energy Label A circulation pump:
 - Grundfos pomp UPM3-O 15-60 AUTOadapt
 - Wilo Yonos
- Double thermostatic control (primary)
- Overheating safety device with set temperature of 60°C +/- 5°K
- Robot brass check valve 1" (no flow from inlet- to return valve)
- Thermostatic control, with temperature sensor and sensor socket
- Central heating supply valve and adjustable return valve:
 - 1-5 group manifold: ½" connection
 - 6-10 group manifold: ¾" connection
- Temperature gauges for the underfloor flow and return water
- Group valves prepared for thermal actuators (M30x1,5)
- ¾" eurocone connections
- ½" air bleed valve

Art.no.	Description	Length mm	Depth mm	Height mm	Weight kg	Product group
250741	District heating manifold 1-Group, with Grundfos UPM3-O 15-60 AUTOadapt, conn. ½"	420	180	130	8	1
250742	District heating manifold 2-Group, with Grundfos UPM3-O 15-60 AUTOadapt, conn. ½"	420	180	130	8	1
250743	District heating manifold 3-Group, with Grundfos UPM3-O 15-60 AUTOadapt, conn. ½"	420	180	130	9	1
250744	District heating manifold 4-Group, with Grundfos UPM3-O 15-60 AUTOadapt, conn. ½"	470	180	130	10	1
250745	District heating manifold 5-Group, with Grundfos UPM3-O 15-60 AUTOadapt, conn. ½"	520	180	130	11	1
250746	District heating manifold 6-Group, with Grundfos UPM3-O 15-60 AUTOadapt, conn. ¾"	570	180	130	12	1
250747	District heating manifold 7-Group, with Grundfos UPM3-O 15-60 AUTOadapt, conn. ¾"	620	180	130	12	1
250748	District heating manifold 8-Group, with Grundfos UPM3-O 15-60 AUTOadapt, conn. ¾"	670	180	130	12	1
250749	District heating manifold 9-Group, with Grundfos UPM3-O 15-60 AUTOadapt, conn. ¾"	720	180	130	13	1
250750	District heating manifold 10-Group, with Grundfos UPM3-O 15-60 AUTOadapt, conn. ¾"	770	180	130	14	1
402420	Pre-mounted Robot TA A-exact group valve ½" angled eurocone (optional)					4

DISTRICT HEATING



Note to Image:

- A. Wilo circulation pump
- B. Thermostatic regulating valve, heating supply water (adjustable)
- C. Thermostatic regulating valve, heating return water (adjustable)
- D. Flow pressure/temperature gauge 63 mm 0-6 bar/0-120°C
- E. Return temperature gauge
- F. Thermostatic valve (M30x1,5) for manual adjustment or connecting a thermal actuator
- G. Robot brass check valve 1"
- H. Manifold return valve
- I. Temperature safety stat 60°C +/- 5K
- J. Air bleed valve

THE SOLUTION FOR APPLICATION WITH HEATPUMPS

For low-temperature systems with an external pump, we recommend our LT-manifold. The ideal combination with your heat pump.

- Suitable for systems with low temperature supply, heating systems on solar energy and heat pumps with external pump
- Low-temperature system: up to 45°C supply (primary)
- Compact manifold: from 175 mm wide (2-group)
- Available 2-20 group
- Adjustable flow and return water (secondary)
- Available with A-exact TA balancing valve (optional)
- Both left and right connected (blinded)



SPECIFICATIONS

- Flow valve ½" x ¾" eurocone connection
- Group valves prepared for thermal actuators:
 - 2 - 6 group manifold: ¾" supply and return connections (primary)
 - 7 to 20 group manifold: 1" supply and return connections (primary)
- Temperature gauges for under-floor supply and return water
- Group valves prepared for thermal actuators (M30x1,5)
- ¾" eurocone connection
- 2 pieces ½" air bleed valve



Note to Image:

- A. Return temperature gauge
- B. Flow pressure/temperature gauge 63 mm 0-6 bar/0-120°C
- C. Thermostatic valve (M30x1,5) for manual adjustment or connecting a thermal actuator
- D. Robot single adjustable flow valve ½" x ¾" EC
- E. Air bleed valve
- F. Air bleed valve
- G. Blind cap

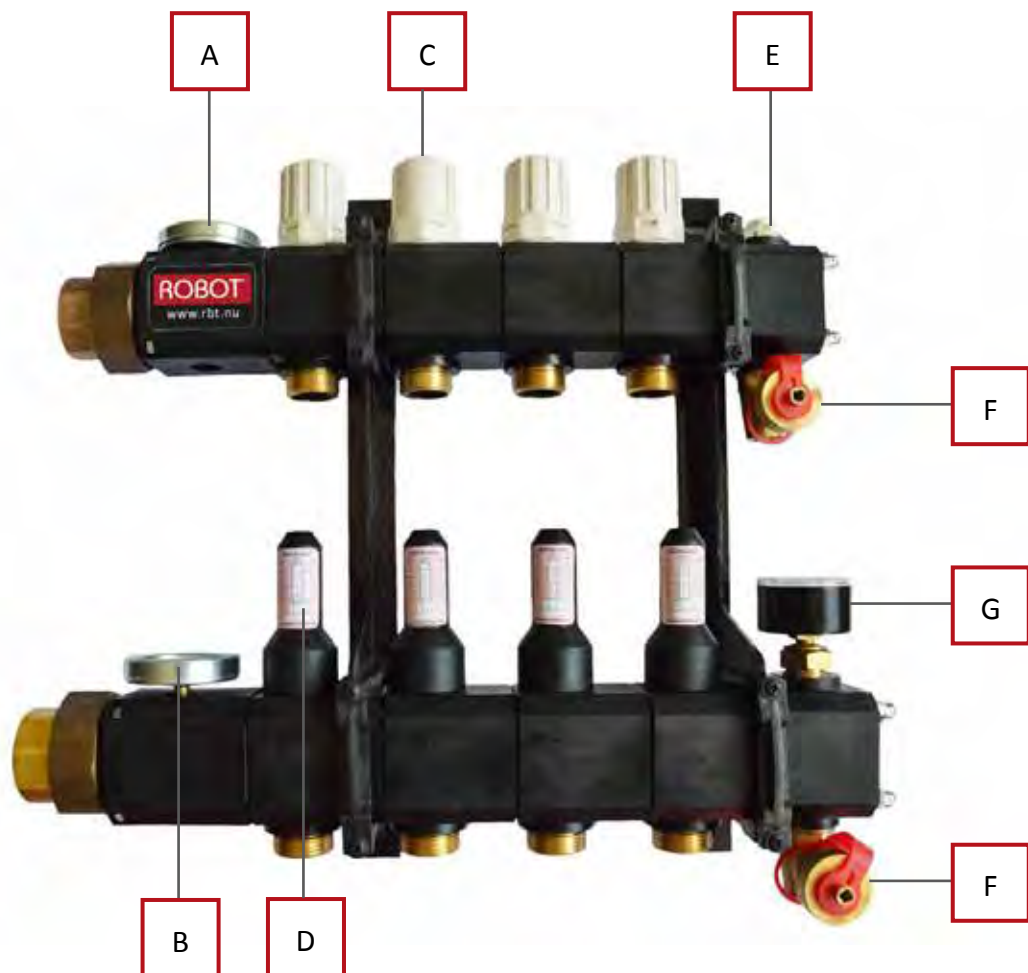
Art.no.	Description	Length mm	Depth mm	Height mm	Weight kg	Product group
201902	LT manifold 2 group, without pump, conn. ¾" left	175	60	120	7	1
201903	LT manifold 3 group, without pump, conn. ¾" left	275	60	120	8	1
201904	LT manifold 4 group, without pump, conn. ¾" left	275	60	120	11	1
201905	LT manifold 5 group, without pump, conn. ¾" left	375	60	120	11	1
201906	LT manifold 6 group, without pump, conn. ¾" left	375	60	120	12	1
201907	LT manifold 7 group, without pump, conn. ¾" left	475	60	120	12	1
201908	LT manifold 8 group, without pump, conn. 1" left	475	60	120	14	1
201909	LT manifold 9 group, without pump, conn. 1" left	575	60	120	14	1
201910	LT manifold 10 group, without pump, conn. 1" left	575	60	120	15	1
201911	LT manifold 11 group, without pump, conn. 1" left	675	60	120	17	1
201912	LT manifold 12 group, without pump, conn. 1" left	675	60	120	17	1
201913	LT manifold 13 group, without pump, conn. 1" left	775	60	120	18	1
201914	LT manifold 14 group, without pump, conn. 1" left	775	60	120	19	1
201915	LT manifold 15 group, without pump, conn. 1" left	875	60	120	19	1
201916	LT manifold 16 group, without pump, conn. 1" left	875	60	120	20	1
201917	LT manifold 17 group, without pump, conn. 1" left	975	60	120	21	1
201918	LT manifold 18 group, without pump, conn. 1" left	975	60	120	21	1
201919	LT manifold 19 group, without pump, conn. 1" left	1075	60	120	22	1
201920	LT manifold 20 group, without pump, conn. 1" left	1075	60	120	23	1
201952	LT manifold 2 group, without pump, conn. ¾" right	175	60	120	7	1
201953	LT manifold 3 group, without pump, conn. ¾" right	275	60	120	8	1
201954	LT manifold 4 group, without pump, conn. ¾" right	275	60	120	11	1
201955	LT manifold 5 group, without pump, conn. ¾" right	375	60	120	11	1
201956	LT manifold 6 group, without pump, conn. ¾" right	375	60	120	12	1
201957	LT manifold 7 group, without pump, conn. 1" right	475	60	120	12	1
201958	LT manifold 8 group, without pump, conn. 1" right	475	60	120	14	1
201959	LT manifold 9 group, without pump, conn. 1" right	575	60	120	14	1
201960	LT manifold 10 group, without pump, conn. 1" right	575	60	120	15	1
201961	LT manifold 11 group, without pump, conn. 1" right	675	60	120	17	1
201962	LT manifold 12 group, without pump, conn. 1" right	675	60	120	17	1
201963	LT manifold 13 group, without pump, conn. 1" right	775	60	120	18	1
201964	LT manifold 14 group, without pump, conn. 1" right	775	60	120	19	1
201965	LT manifold 15 group, without pump, conn. 1" right	875	60	120	19	1
201966	LT manifold 16 group, without pump, conn. 1" right	875	60	120	20	1
201967	LT manifold 17 group, without pump, conn. 1" right	975	60	120	21	1
201968	LT manifold 18 group, without pump, conn. 1" right	975	60	120	21	1
201969	LT manifold 19 group, without pump, conn. 1" right	1075	60	120	22	1
201970	LT manifold 20 group, without pump, conn. 1" right	1075	60	120	23	1
402420	Pre-mounted Robot TA A-exact group valve ½" angled eurocone (optional)					4

LT-C

THE SOLUTION FOR APPLICATION WITH HEATPUMPS

Robot LT-C is a composite manifold suitable, as Robot LT, for systems with a low temperature where a central pump is present.

- Suitable for systems with low temperature supply and heat pumps with external pump
- Available 2-15 group
- Adjustable flow meters
- 1" internal thread connection
- Both left and right connected



Note to Image:

- A. Flow temperature gauge
- B. Return temperature gauge
- C. Group valve
- D. Flow meter
- E. Air bleed valve
- F. Fill and drain valve
- G. Pressure Gauge

LT-C

Art.no.	Description	Length mm	Depth mm	Height mm	Weight kg	Product group
202902	Robot LT-C manifold 2 group, without pump, conn. 1"	255	103	335	3	1
202903	Robot LT-C manifold 3 group, without pump, conn. 1"	310	103	335	3	1
202904	Robot LT-C manifold 4 group, without pump, conn. 1"	365	103	335	4	1
202905	Robot LT-C manifold 5 group, without pump, conn. 1"	420	103	335	4	1
202906	Robot LT-C manifold 6 group, without pump, conn. 1"	475	103	335	5	1
202907	Robot LT-C manifold 7 group, without pump, conn. 1"	530	103	335	5	1
202908	Robot LT-C manifold 8 group, without pump, conn. 1"	585	103	335	6	1
202909	Robot LT-C manifold 9 group, without pump, conn. 1"	640	103	335	6	1
202910	Robot LT-C manifold 10 group, without pump, conn. 1"	695	103	335	7	1
202911	Robot LT-C manifold 11 group, without pump, conn. 1"	750	103	335	7	1
202912	Robot LT-C manifold 12 group, without pump, conn. 1"	805	103	335	8	1
202913	Robot LT-C manifold 13 group, without pump, conn. 1"	860	103	335	8	1
202914	Robot LT-C manifold 14 group, without pump, conn. 1"	915	103	335	8	1
202915	Robot LT-C manifold 15 group, without pump, conn. 1"	970	103	335	9	1



ROOM CONTROL

ROOM CONTROL EXCLUSIVE (RCE)

THE ROBOT ROOM CONTROL EXCLUSIVE (RCE):

The RCE is a Robot Room Control system. The RCE consists a roomthermostat and receiving unit, which can be connected wireless or hard-wired. The receiver is available in 1 channel or 8 channel. The receiver with 1 channel communicates with 1 thermostat. Receivers with 8 channels can communicate with 1 to 8 thermostats. The system has several intelligent functions, like an adaptive/self learning weekly programme, a holiday function, the possibility to connect external sensors, external temperature control via GSM-switch and more.

The system:

- Timeless & exclusive design
- Remote control via a mobile phone (option)*
- Loggin/analysis function*
- Wired or wireless communication in the same box (868 MHz)*
- Automatic testing for pump and valves*
- Pump logic*
- 2 potential free contacts (for heat source and pump)*
- Simple programming and use
- Simple installation

* Only available on the RCE 8-channel receiver

RCE ROOM THERMOSTATS

- Timeless exclusive design
- Automatic lcd-display
- Available in gloss white, high gloss black and silver grey
- Self-modulation technology as standard
- Adaptive weekly programme
- Holiday function
- Fireplace function
- Simple programming/control



Art.no. from left to right: 647320 - 647302/647309 - 647304/647310 - 647302/647308

ROOM CONTROL EXCLUSIVE (RCE)

RCE 1 CHANNEL RECEIVER

RCE 1 channel receiver (slave) unit. The Robot RCE 1 channel receiver (slave) RF/W NC has one channel, allowing one Robot RCE thermostat to be connected to the unit. The receiver collects data from each room thermostat and sends control signals to Robot actuators. Since the communication between the receiver unit and actuators is via cable, the receiver unit should be placed adjacent to the manifold. With the (optional) Robot RCE Antenna you have the possibility to communicate with the wireless (RF) thermostat.



Art.no. 647317

RCE 8 CHANNEL RECEIVER (MASTER/SLAVE) UNIT

RCE 8 channel receiver (Master/Slave) unit. The Robot RCE 8 channel receiver (master/slave) RF/W NC has eight channels, allowing up to eight Robot RCE thermostat to be connected to the unit. The receiver collects data from each room thermostat and sends control signals to Robot actuators. Since the communication between the receiver unit and actuators is via cable, the receiver unit should be placed adjacent to the manifold. With the (optional) Robot RCE Antenna you have the possibility to communicate with the wireless (RF) thermostat.



Art.no. 647320

Art.no.	Description	Product group
647302	RCE Thermostat RF, high gloss white	2
647303	RCE Thermostat RF, high gloss black	2
647304	RCE Thermostat RF, high gloss silver grey	2
647308	RCE Thermostat wired, high gloss white	2
647309	RCE Thermostat wired, high gloss black	2
647310	RCE Thermostat wired, high gloss silver grey	2
647317	RCE 1-channel receiver (slave) RF/W 24V - NC	2
647320	RCE 8-channel receiver (master/slave) RF/W 24V - NC	2
647321	RCE Repeater	2
647322	RCE Antenna	2
647323	RCE External Sensor	2
647328	RCE GSM module	2
647335	RCE Antenna cable 10mtr.	2
647338	RCE USB Stick	2
601610	Robot Thermal actuator 24V AC/DC	2

ROBOT BASIC

A TRADITIONAL DESIGN WITH A MODERN LOOK

The Basic thermostat controls the temperatures in the respective rooms/zones by sending signals via the cable connection to the Robot Basic Connection Box, placed next to the manifold. The actuators for the different zones are controlled via the connection boxes.

ROBOT BASIC THERMOSTATS

Robot Basic offers two models of room thermostat of modern design: Robot Basic Thermostat S1 NC and Robot Basic Thermostat S2 NC. All units in the system are actuator is closed when there is no electrical current.



Art.no. 648308



Art.no. 648310

Art.no.	Description	Product group
648308	Robot Basic thermostat wired S1 - 24V, NC	2
648310	Robot Basic thermostat wired S2 digitaal - 24V, NC	2
648320	Robot Basic master 8-channel receiver - 24V, NC	2
648450	Basic Line relay*	2
648350	Basic Line Transformer 72 VA - 230/24V	2
601610	Robot Thermal actuator 24V AC/DC	2

* Excl. transformer, order in combination with 648350



PIPE

PIPE

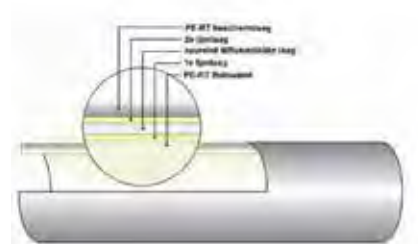
ROBOTFLOOR 5-LAYER PE-RT PIPE

Robot delivers pipe and pipe-adapters for a complete underfloor heating system. The highly flexible and easy-to-process pipe consists of a base pipe and an outer layer of oxygen-impermeable PE-RT. The oxygen-impermeable jacket is resistant to damage during installation.



SPECIFICATIONS

- made of Dowlex 2344 raw material
- temperature and pressure resistant
- minimum linear expansion
- durable
- 50 year warranty (with consequential-loss cover for the first 10 years)
- other roll lengths and pipe diameters are available upon request
- Kiwa/KOMO approved and EVOH-barrier (DIN 4726)



Art.no.	Description	Weight kg	Product group
302460	RobotFloor 5-layer PE-RT-pipe 14x2 mm - 600 mtr, diffusion proof Type 1 KOMO approved 5	54	3
302609	RobotFloor 5-layer PE-RT-pipe 16x2 mm - 90 mtr. diffusion proof Type 1 KOMO approved 5	9	3
302612	RobotFloor 5-layer PE-RT-pipe 16x2 mm - 120 mtr. diffusion proof Type 1 KOMO approved 5	12	3
302620	RobotFloor 5-layer PE-RT-pipe 16x2 mm - 200 mtr. diffusion proof Type 1 KOMO approved 5	19	3
302640	RobotFloor 5-layer PE-RT-pipe 16x2 mm - 400 mtr. diffusion proof Type 1 KOMO approved 5	38	3
302660	RobotFloor 5-layer PE-RT-pipe 16x2 mm - 600 mtr. diffusion proof Type 1 KOMO approved 5	57	3
302860	RobotFloor 5-layer PE-RT-pipe 18x2 mm - 600 mtr, diffusion proof Type 1 KOMO approved 5	70	3
302260	RobotFloor 5-layer PE-RT-pipe 20x2 mm - 600 mtr, diffusion proof Type 1 KOMO approved 5	60	3

PIPE COUPLINGS

SPECIFICATIONS:

- brass clamping-ring set
- swivel nut included
- suitable for (full) plastic and multilayer plastic aluminium pipe
- eurocone
- nickel plated surface protection



Art.no.	Description	Product group
300601	Adapter 14 x 2 mm - Kiwa Komo approved	3
300603	Adapter 16 x 2 mm - Kiwa Komo approved	3
300607	Adapter 18 x 2 mm - Kiwa Komo approved	3
300609	Adapter 20 x 2 mm - Kiwa Komo approved	3
300610	Adapter 14 x 2 mm	3
300615	Adapter 16 x 2 mm	3
300625	Adapter 18 x 2 mm	3
300635	Adapter 20 x 2 mm	3
300640	Repair connection 16 x 2 / 16 x 2 mm	3
300645	Repair connection 18 x 2 / 18 x 2 mm	3
300655	Repair connection 20 x 2 / 20 x 2 mm	3
300665	Repair connection eurocone / eurocone, without adapters	3
300670	Reducer coupling ½" to ¾" eurocone chrome plated	3



PUMPS

PUMPS

The Robot underfloor heating manifold feature a composite Grundfos pump housing. This pump housing has been fitted tension free on the manifold, so that there is no noise from the pump. Robot underfloor heating has been fitting Grundfos pumps to its manifolds for years. In addition, it is possible to opt for a Wilo pump.

By default, the energy-efficient Grundfos UPM3-O 15-60 AUTOadapt will be mounted on the manifold and option for the Wilo Yonos will be offered.

These Circulation pumps - meet all the latest European energy legislation.

SPECIFICATIONS

- Grundfos UPM3-O 15-60 AUTOadapt and Wilo Yonos circulation pump:
 - Automatically controlled stable pressure and flow
 - No pump switch required
 - Energy Label A



Art.no.	Description	Voltage (V)	Energy (EEI)	Power max. (W)	Product group
500200	Grundfos pump UPM3-O 15-60 AUTOadapt	230	A	43	5
500100	Grundfos pump Alpha2 L 15-60	230	A	45	5
500130	Grundfos pump Alpha2 15-60 AUTOadapt	230	A	45	5
500230	Wilo Yonos Para HU 25/6	230	A	45	5



INSTALLATION MATERIALS

INSTALLATION MATERIALS

ROBOT UNDERFLOOR HEATING FROM A TO Z

In order to install an (underfloor) heating system Robot provides several additional products. So you have all the necessary items from one supplier. TopNop foam insulation, aluminum foil to edge insulation rolls; Robot underfloor heating is your full line supplier.



Art.no.	Description	Product group
900550	Reinforcement Mesh 2003*1003*3mm / 10cm galvanized (230 per pallet)	7
900560	Reinforcement Mesh 1953*1053*3mm / 15cm galvanized (230 per pallet)	7
900630	Aluminium Foil AV 75 M2 per roll	7
900660	Aluminium Foil Coated Foam 4mm (1.2 x 25 mtr) 30 M2 per roll	7
900715	Edge Insulation 10cm High 5mm thick, 25mtr length	7
900850	Tie Wires 20cm per 100 pieces white	7
900855	Tie Wires 40cm per 100 pieces black	7
900450	Hammer Clips Single 13-16 mm (6mm Drill) per 100 pieces black	7
900454	Hammer Clips Single 20-24 mm (6mm Drill) per 100 pieces black	7
900456	Hammer Clips Single 25-30 mm (6mm Drill) per 100 pieces black	7
900460	Hammer Clips Double 13-16 mm (6mm Drill) per 100 pieces black	7
900462	Hammer Clips Double 16-19 mm (6mm Drill) per 100 pieces black	7
900464	Hammer Clips Double 20-24 mm (6mm Drill) per 100 pieces black	7
900466	Hammer Clips Double 25-30 mm (6mm Drill) per 50 pieces black	7
900470	Hammer Clips Double 30-40 mm (6mm Drill) per 100 pieces black	7
900475	Hammer Clips Double 30-40 mm (6mm Drill) per 100 pieces black	7
900480	Screw Clips black 15-20mm Per 100 pieces	7
900495	Screw Clip Tool Each	7
900497	Staple Tool Each	7
900483	Robot Tackernail 35 mm 15-20 mm - per 1.000 pieces	7
900525	Robot Tackerplate 20-2 mm on roll AK (per 10m2)	7
900535	Robot Tackerplate 30-2 mm on roll AK (per 10m2)	7



CERTIFICATIONS

OUR CERTIFICATIONS

ROBOT FLOOR STANDS FOR:

Quality;

ISO 9001: proven quality

Our ISO 9001 certification indicates that Robot performs a defined and integrated into the organization's quality policy. We are increasing to meet regulatory requirements and customer satisfaction especially good to listen. To the wishes of our customers in addition, we have demonstrated the ability to manage our business processes.

All certificates are included in the list of Foundation KOMO: www.komo.nl and www.kiwa.nl



CERTIFICATIONS

Environmentally conscious;

ISO 14001: strong environmental policy

With the awarding of ISO 14001 Robot has proven that it conforms to an internationally accepted standard for good environmental management. To obtain the ISO 14001 certification, we have high environmental demands in five parts:

- Environmental policy
- Planning, including environmental risk assessment and environmental plan
- Implementation and execution
- Control and corrective measures
- Management review



NOTES

[illegible]

NOTES

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

Disclaimer

Robot Vloerverwarming B.V.
March 2018

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MADE BY REAL HUMANS

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ROBOT[®]

CLIMATE COMFORT SYSTEMS

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CONTACT

Robot Vloerverwarming B.V.
Nieuwland Parc 151
3351 LJ Papendrecht

T +31 78 641 1619
F +31 78 641 3636
info@robotclimate.com
www.robotclimate.com
