

GF Building Flow Solutions

Uponor Vario cabinets

EN

Technical information

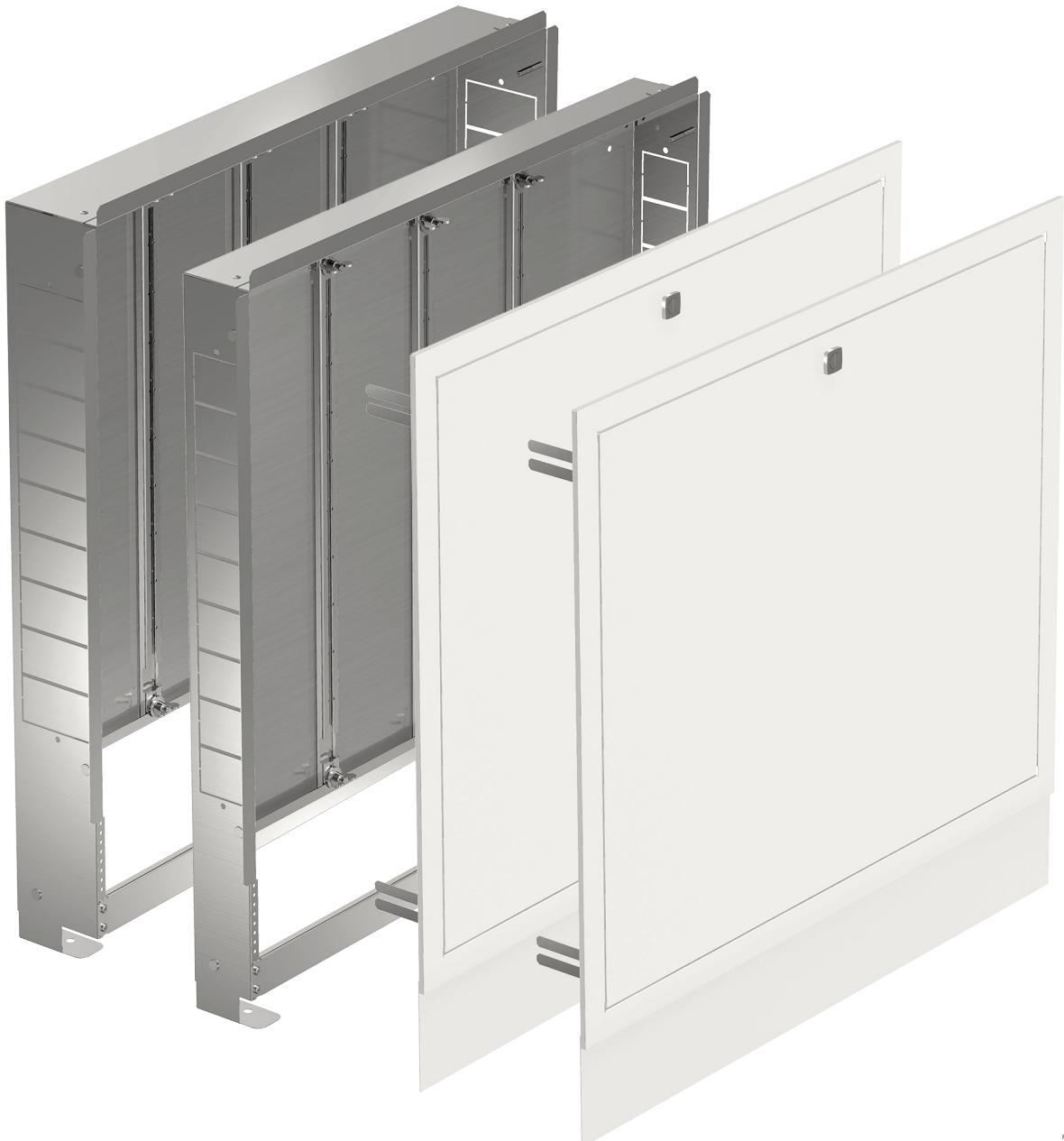


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1 System description

The Uponor Vario cabinets are available in various designs and dimensions. They provide sufficient space for manifolds and other components. For example, you can install Uponor control components, heat meters and Uponor Fluvia T and E pump groups even in small cabinets.

The height- and depth-adjustable Uponor Vario cabinets can be installed in wall niches or on-wall. The universal rail fastener and the supplied fastening material allows easy and quick installation of the manifolds and other components.

The Uponor Vario in-wall cabinet (IW) is installed in a wall niche. The Uponor Vario on-wall cabinet (OW) is installed on the wall surface. All installation components are installed on the supplied rails (included in delivery). Refer to the IM Uponor Vario cabinets.

1.1 Components



Note

For more detailed information, product range and documentation, please visit the Uponor website: www.uponor.com.



Note

For detailed information about the product range, dimensions and availability, please refer to the Uponor price list.

Cabinets for in-wall installation



RP0000028

The range of Uponor Vario cabinets IW includes six different cabinet widths for universal use, even in large projects. These cabinets are available in two wall installation depths: IW 110 and IW 80. They are made of rigid galvanised sheet steel construction with all visible components white powder-coated (RAL 9016).

The cabinet body inside the wall is equipped with removable rails that simplify the pre-mounting of the manifold and additional components on the workbench. The fixing set for the rail fastening is included in the delivery.

The frame with an integrated front panel allows a depth adjustment for installation of Uponor Vario PLUS, Vario M and Vario S manifolds, as well as Uponor control components, heat meters and Uponor Fluvia T and Move pump groups.

The cabinets are adjustable in height and depth:

- Height adjustment: max. 200 mm
- Depth adjustability: 80 – 120 mm or 110 – 150 mm

Cabinets for on-wall installation



RP0000026

White powder-coated Uponor Vario cabinet OW for installation of Uponor Vario PLUS, Vario M and Vario S manifolds, as well as Uponor control components, heat meters and Uponor Fluvia T and Move pump groups.

The installation components are either installed directly inside the on-wall cabinet or optionally on the Uponor Vario rear board using rails.

The revolving door includes a lock **and can be extended with an** Uponor cylinder lock, for example, in public buildings.

The rear board has rectangular holes to allow cabinet height adjustment of ± 15 mm if necessary.

1.2 Copyright and disclaimer

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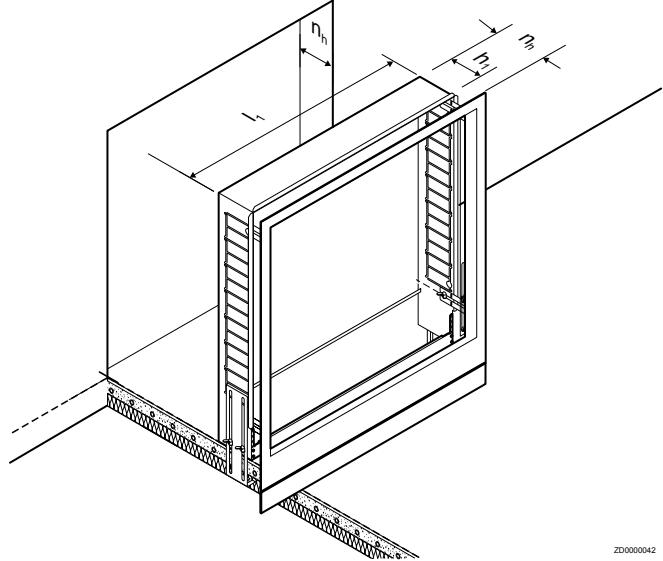
For any questions or queries, please visit the local Uponor website or speak to your Uponor representative.

2 Planning/design

2.1 Configuration

Refer to the chapter Technical Data for configuring Uponor manifolds, pump groups and connection sets in in-wall and on wall cabinets.

Uponor Vario cabinets in-wall (IW)



Type	l_1
IW Vario distribution cabinet (flush-mounted distribution cabinet)	550
	700
	850
	1000
	1150
	1300

Uponor Vario PLUS manifold



Connection at manifold	Cabinet width l_1						h_1	n_h
	550	700	850	1000	1150	1300		
Amount of circuits								
Vertical without heat meter connection set	2-4	5-7	8-10	11-13	14-15	-	80	95
Vertical with heat meter connection set	2-4	5-7	8-10	11-13	14-15	-	80	95
Horizontal with ball valve	2-5	6-8	9-11	12-14	15	-	80	80
Horizontal with heat meter connection set	-	2-3	4-6	7-9	10-12	13-15	80	95
Vertical with Fluvia pump group Push-23-B	2-3	4-6	7-9	10-12	13-15	-	110	110
Vertical with Fluvia pump group MPG 10/ Push-23-A	-	2-4	5-7	8-10	11-13	14-15	110	110
Horizontal with Vario differential pressure regulator + ball valve	2-4	5-7	8-10	11-13	14-15	-	80	80
Horizontal with Vario differential pressure regulator + ball valve + heat meter connection set	-	2	3-5	6-8	9-11	12-14	95	95
Vertical with Vario differential pressure regulator + ball valve with heat meter connection set	2	3-5	6-8	9-11	12-14	15	95	95
Vertical with Vario differential pressure regulator + ball valve without heat meter connection set	2	3-5	6-8	9-11	12-14	15	95	95

Dimensions in mm

Uponor Vario M manifold

	Connection at manifold	Cabinet width l_1						h_1	n_h
		550	700	850	1000	1150	1300		
Amount of circuits									
	Vertical without heat meter connection set	2-5	6-8	9-10	11-13	14-16	-	80	95
	Vertical with heat meter connection set	2-5	6-8	9-10	11-13	14-16	-	80	95
	Horizontal with ball valve	2-6	7-9	10-11	12-14	15-16	-	80	80
	Horizontal with heat meter connection set	-	2-4	5-7	8-10	11-12	13-15	80	95
	Vertical with Fluvia pump group Push-23-B	2-4	5-7	8-10	11-12	13-15	16	110	110
	Vertical with Fluvia pump group MPG 10/ Push-23-A	2	3-5	6-8	9-10	11-13	14-16	110	110
	Horizontal with Vario differential pressure regulator + ball valve	2-4	5-7	8-10	11-12	13-15	16	80	80
	Horizontal with Vario differential pressure regulator + ball valve + heat meter connection set	-	2	3-5	6-8	9-11	12-15	80	95
	Vertical with Vario differential pressure regulator + ball valve with heat meter connection set	2-3	4-6	7-9	10-11	12-14	15-16	80	95
	Vertical with Vario differential pressure regulator + ball valve without heat meter connection set	2-3	4-6	7-9	10-11	12-14	15-16	80	95

Dimensions in mm

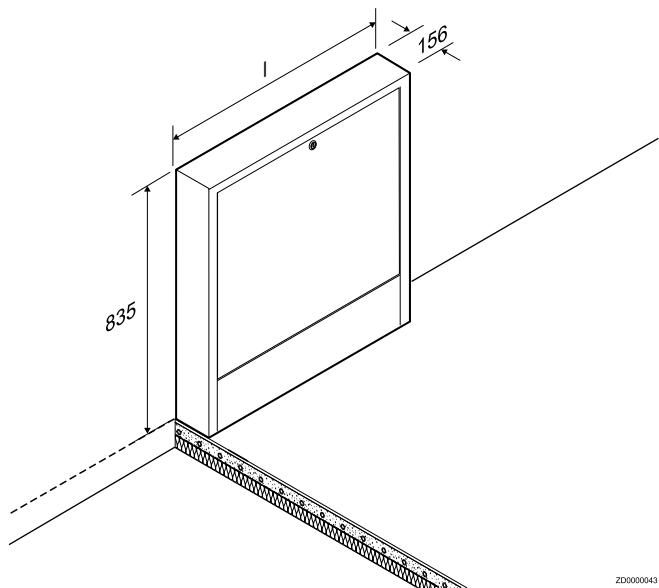
Uponor Vario S manifold

	Connection at manifold	Cabinet width l_1						h_1	n_h
		550	700	850	1000	1150	1300		
Amount of circuits									
	Vertical without heat meter connection set	2-5	6-8	9-10	11-13	14-16	-	80	95
	Vertical with heat meter connection set	2-5	6-8	9-10	11-13	14-16	-	80	95
	Horizontal with ball valve	2-6	7-9	10-11	12-14	15-16	-	80	80
	Horizontal with heat meter connection set	-	2-4	5-7	8-10	11-12	13-15	80	95
	Vertical with Fluvia pump group Push-23-B	2-4	5-7	8-10	11-12	13-15	16	110	110
	Vertical with Fluvia pump group MPG 10/ Push-23-A	2	3-5	6-8	9-10	11-13	14-16	110	110
	Horizontal with Vario differential pressure regulator + ball valve	2-4	5-7	8-10	11-12	13-15	16	80	80
	Horizontal with Vario differential pressure regulator + ball valve + heat meter connection set	-	2	3-5	6-8	9-11	12-15	80	95
	Vertical with Vario differential pressure regulator + ball valve with heat meter connection set	2-3	4-6	7-9	10-11	12-14	15-16	80	95
	Vertical with Vario differential pressure regulator + ball valve without heat meter connection set	2-3	4-6	7-9	10-11	12-14	15-16	80	95

Dimensions in mm

Uponor Vario S body FM is excluded.

Uponor Vario cabinets on wall (OW)



Type	I
OW Vario distribution cabinet (Surface-mounted distribution cabinet)	450
	600
	750
	900
	1050
	1200
	1350
	1550

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Uponor Vario PLUS manifold

Connection at manifold	Cabinet width I							
	450	600	750	900	1050	1200	1350	1550
Amount of circuits								
Vertical without heat meter connection set	-	2-4	5-7	8-10	11-13	14-15	-	-
Vertical with heat meter connection set	-	2-4	5-7	8-10	11-13	14-15	-	-
Horizontal with ball valve	2	3-5	6-8	9-11	12-14	15	-	-
Horizontal with heat meter connection set	-	-	2-3	4-6	7-9	10-12	13-15	-
Vertical with Fluvia pump group Push-23-B	-	2-3	4-6	7-9	10-12	13-15	-	-
Vertical with Fluvia pump group MPG 10/ Push-23-A	-	-	2-4	5-7	8-10	11-13	14-15	-
Horizontal with Vario differential pressure regulator + ball valve	-	2-4	5-7	8-10	11-13	14-15	-	-
Horizontal with Vario differential pressure regulator + ball valve + heat meter connection set	-	-	2	3-5	6-8	9-11	12-14	15
Vertical with Vario differential pressure regulator + ball valve with heat meter connection set	-	2	3-5	6-8	9-11	12-14	15	-
Vertical with Vario differential pressure regulator + ball valve without heat meter connection set	-	2	3-5	6-8	9-11	12-14	15	-

Dimensions in mm

Uponor Vario M manifold

Connection at manifold	Cabinet width I							
	450	600	750	900	1050	1200	1350	1550
Amount of circuits								
Vertical without heat meter connection set	2	3-5	6-8	9-10	11-13	14-16	-	-
Vertical with heat meter connection set	2	3-5	6-8	9-10	11-13	14-16	-	-
Horizontal with ball valve	2-3	4-6	7-9	10-11	12-14	15-16	-	-
Horizontal with heat meter connection set	-	-	2-4	5-7	8-10	11-12	13-15	16
Vertical with Fluvia pump group Push-23-B	-	2-4	5-7	8-10	11-12	13-15	16	-
Vertical with Fluvia pump group MPG 10/ Push-23-A	-	2	3-5	6-8	9-10	11-13	14-16	-



RP0000029

	Connection at manifold	Cabinet width I							
		450	600	750	900	1050	1200	1350	1550
	Horizontal with Vario differential pressure regulator + ball valve	-	2-4	5-7	8-10	11-12	13-15	16	-
	Horizontal with Vario differential pressure regulator + ball valve + heat meter connection set	-	-	2	3-5	6-8	9-11	12-15	16
	Vertical with Vario differential pressure regulator + ball valve with heat meter connection set	-	2-3	4-6	7-9	10-11	12-14	15-16	-
	Vertical with Vario differential pressure regulator + ball valve without heat meter connection set	-	2-3	4-6	7-9	10-11	12-14	15-16	-

Dimensions in mm

Uponor Vario S manifold

	Connection at manifold	Cabinet width I							
		450	600	750	900	1050	1200	1350	1550
Amount of circuits									
	Vertical without heat meter connection set	2	3-5	6-8	9-10	11-13	14-16	-	-
	Vertical with heat meter connection set	2	3-5	6-8	9-10	11-13	14-16	-	-
	Horizontal with ball valve	2-3	4-6	7-9	10-11	12-14	15-16	-	-
	Horizontal with heat meter connection set	-	-	2-4	5-7	8-10	11-12	13-15	16
	Vertical with Fluvia pump group Push-23-B	-	2-4	5-7	8-10	11-12	13-15	16	-
	Vertical with Fluvia pump group MPG 10/ Push-23-A	-	2	3-5	6-8	9-10	11-13	14-16	-
	Horizontal with Vario differential pressure regulator + ball valve	-	2-4	5-7	8-10	11-12	13-15	16	-
	Horizontal with Vario differential pressure regulator + ball valve + heat meter connection set	-	-	2	3-5	6-8	9-11	12-15	16
	Vertical with Vario differential pressure regulator + ball valve with heat meter connection set	-	2-3	4-6	7-9	10-11	12-14	15-16	-
	Vertical with Vario differential pressure regulator + ball valve without heat meter connection set	-	2-3	4-6	7-9	10-11	12-14	15-16	-

Dimensions in mm

Uponor Vario S body FM is excluded.

3 Installation and operation



Note

The installation must be performed by a qualified person in accordance with local standards and regulations.

As a guidance, always read and follow the instructions given in respective Uponor installation manual. The instructions are available for download on the Uponor website.



Uponor IM Vario manifolds

Uponor Smatrix and Base control units

Uponor Vario actuators



www.uponor.com/services/download-centre

3.1 Preparing for installation



Caution!

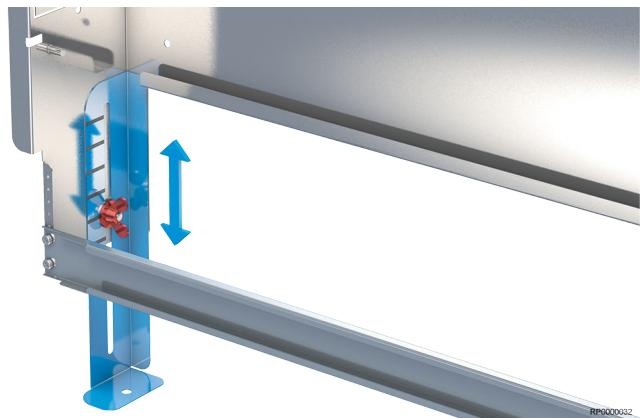
Uponor is not liable for any damage resulting from improper use of Uponor products.

Conform to the following measures when installing the Uponor Vario cabinet:

1. The Uponor Vario cabinet is used as installation and operation place for Uponor components like manifolds, room control equipment, pump groups, corresponding heat meter sets, valves and similar. After installation, the pipe loops for the Uponor underfloor heating system are connected and ready for operation.
2. Check the cabinet for completeness prior to installation. Retighten screws that have loosened due to transport.
3. Read and follow the instructions in the installation manual.
4. Conversion or modification to the Uponor Vario cabinet is only permitted upon agreement with Uponor.
5. Damage caused to an Uponor Vario cabinet as a result of an infringement will void the Uponor warranty.
6. Properly inform the end user about the cabinet installation and hand over this technical information together with the inventory documents.
7. For further information regarding the application or operation of Uponor products, please contact your local Uponor office or visit www.uponor.com.

3.2 Practical features

Height adjustment



In-wall cabinet: Height adjustment of the feet in the cabinet.

The height-adjustable feet allow millimetre-accurate adjustment of the cabinet height to the floor's level.

Depth adjustment



In-wall cabinets can be depth-adjusted according to the available wall niche.

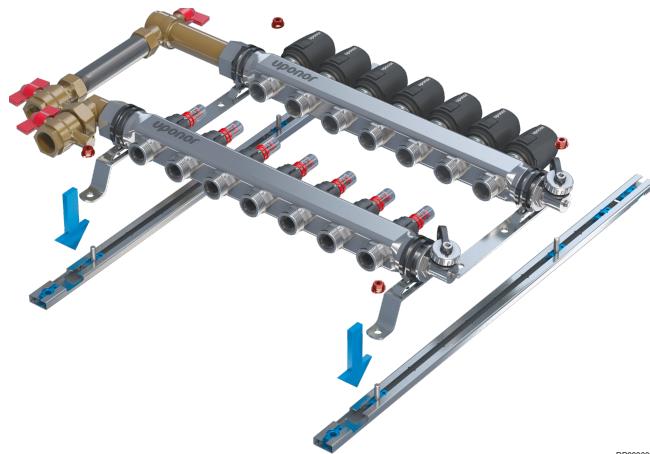
The cabinet depth is set according to the existing wall niche.

The in-wall cabinets IW 80 are typically installed in drywall applications. The depth of the wall planking ($2 \times 12,5 = 25$ mm) must be included in the available cabinet depth.

When installing metering sets in the in-wall cabinet IW 80, a cabinet depth of at least 95 mm must be provided.

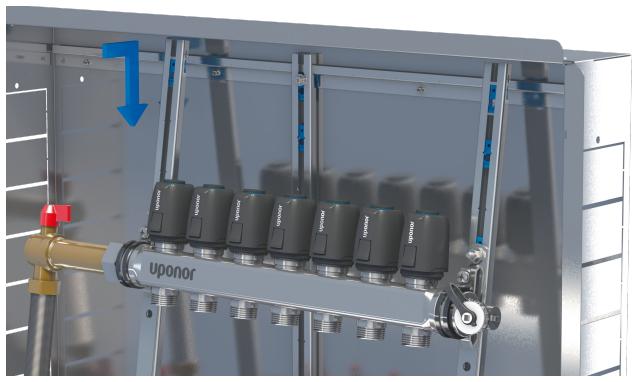
Install Uponor pump groups in the in-wall cabinets IW 110. In-wall cabinets IW 80 are not suitable.

Manifold fixation



Fixing Uponor manifolds in C-rails.

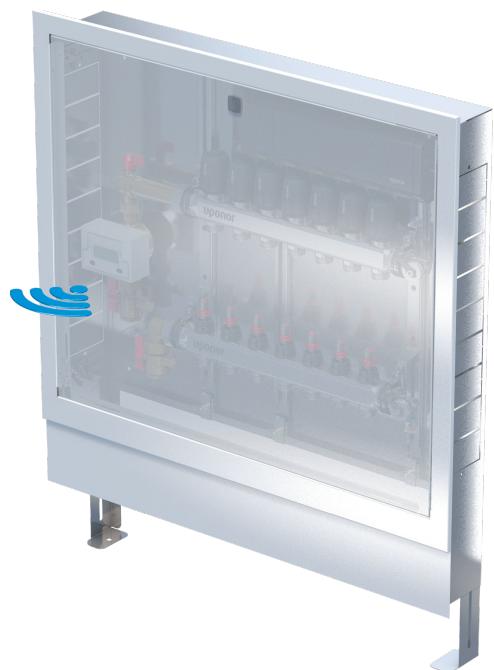
The manifold can be easily mounted on the C-rails at the workbench. Subsequently, the assembly takes place within the in-wall cabinet and will stay there.



Hang the manifold into the cabinet.

The special holding elements allow easy and fast attachment of all pre-assembled components in the cabinet.

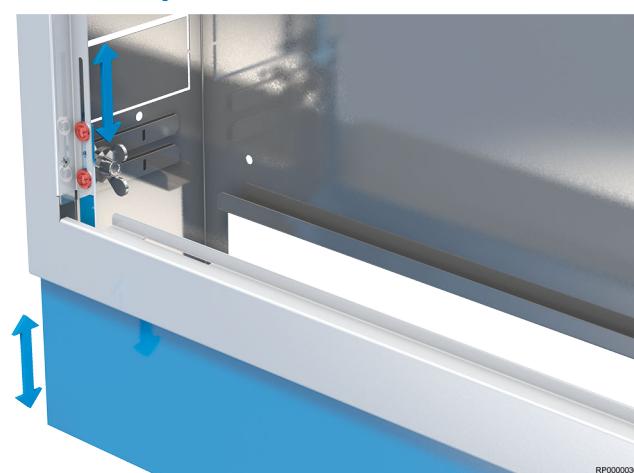
Remote reading



Remote reading at metering sets.

Optionally, the cabinet can be equipped with a plastic door. This allows remote reading of devices such as heat meters.

Frame adaptation



Adaptation of the frame to the floor covering.

If required, the front sheet integrated in the cabinet frame can be adjusted in height. This helps to give an exact fit to the floor level.

4 Technical data

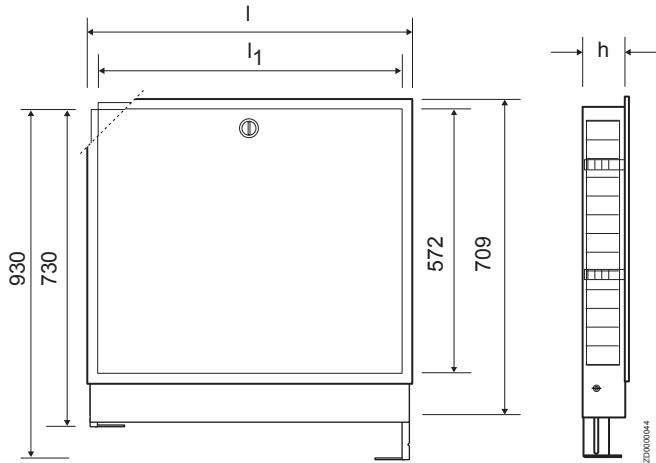
4.1 Dimensions



Note

Detailed information about the range of components, dimensions etc is available in the price list.

Uponor Vario cabinets in-wall (IW)



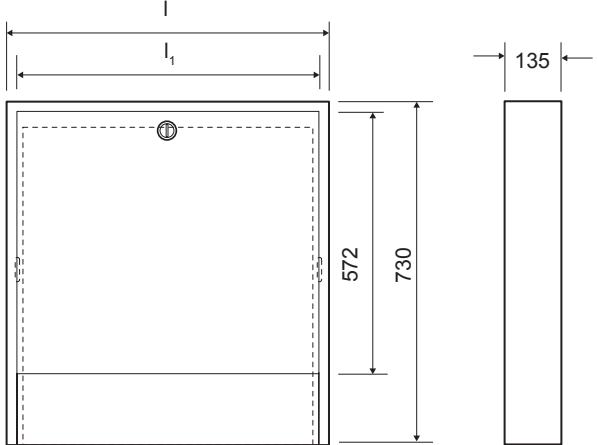
Uponor Vario cabinet IW 110

Type	I	I ₁	h
IW 550/110	605	550	110
IW 700/110	755	700	110
IW 850/110	905	850	110
IW 1000/110	1055	1000	110
IW 1150/110	1205	1150	110
IW 1300/110	1355	1300	110

Uponor Vario cabinet IW 80

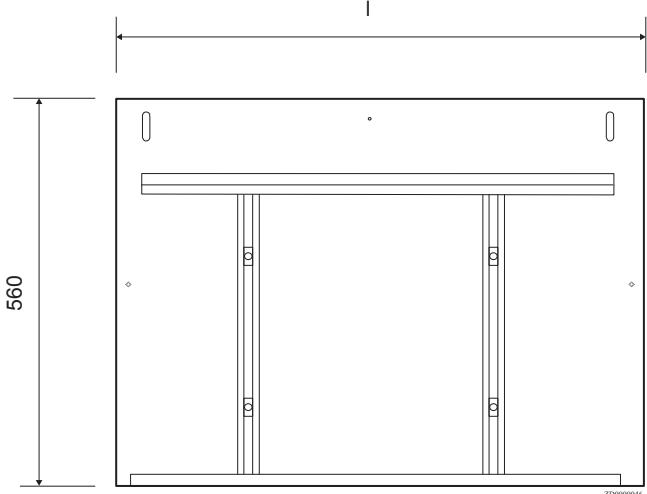
Type	I	I ₁	h
IW 550/80	605	550	80
IW 700/80	755	700	80
IW 850/80	905	850	80
IW 1000/80	1055	1000	80
IW 1150/80	1205	1150	80
IW 1300/80	1355	1300	80

Uponor Vario cabinets on wall (OW)



Type	I	I ₁
OW 450	450	389
OW 600	600	539
OW 750	750	689
OW 900	900	839
OW 1050	1050	989
OW 1200	1200	1139
OW 1350	1350	1289
OW 1550	1550	1489

Uponor Vario cabinet rear board (OW)



Type	I
OW 450	430
OW 600	580
OW 750	730
OW 900	880
OW 1050	1030
OW 1200	1180

Type	I
OW 1350	1330
OW 1550	1530



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Production: GF BFS/SKA

Uponor reserves the right to make changes, without prior notification,
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