

## Uponor Vario cabinets

EN Technical information



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# 1 Uponor Vario cabinets system description

Uponor Vario cabinets are available in different designs and dimensions and thus offer sufficient space for both manifolds and additional components. For example, Uponor control components and heat meters, as well as Uponor Fluvia T and E pump groups, which can be arranged in a confined space.

The height- and depth-adjustable Uponor Vario cabinets can be installed in wall niches or stud walls. The universal rail fastening and

the attached fastening material allow easy and quick installation of the manifolds and additional components.

The Uponor Vario cabinet in-wall (IW) is mounted on the room wall. The installation components can either be fixed directly to the wall using a template or, optionally, on the Uponor Vario rear wall using a rail system, which can be purchased separately,

## 1.1 Cabinets for in-wall installation



HP0000028

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.

Uponor Vario cabinets are optionally available with the frame and door made of sheet steel or plastic. The plastic door should preferably be used when Uponor Smatrix wireless room thermostats are installed to improve radio transmission.

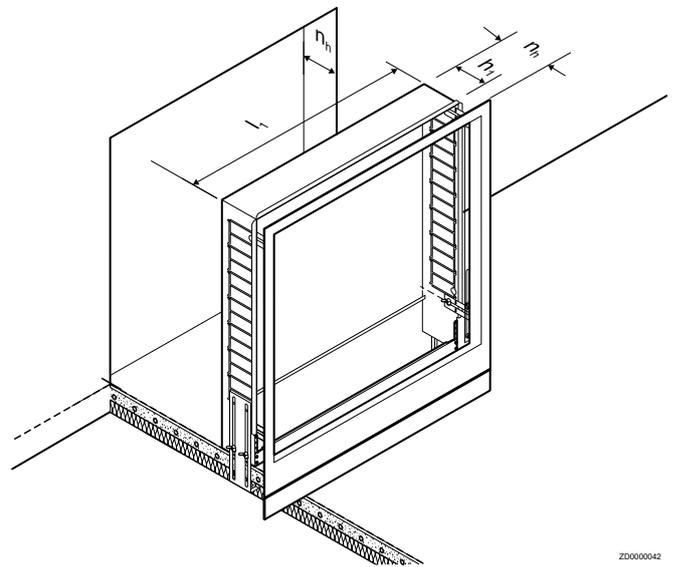
The frame with an integrated front panel allows a depth adjustment for installation of Uponor Vario PLUS, Vario M and Vario S manifolds, as well as Uponor control components, heat meters and Uponor Fluvia T and E pump groups.

The cabinets are adjustable in height and depth:

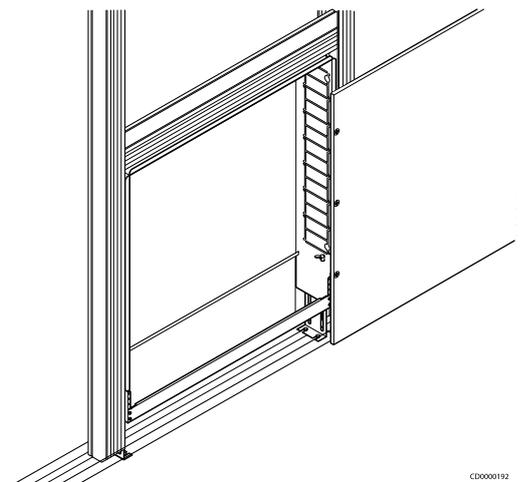
- Height adjustment: max. 200 mm
- Depth adjustability: 80 – 120 mm or 110 – 150 mm

### Configuration

Configuration of Uponor manifolds, Uponor pump groups and corresponding connection sets in in-wall cabinets.



ZD0000042



CD0000192

## With Uponor Vario PLUS manifold

	Connection at manifold	Cabinet width $l_1$						$h_1$	$n_h$
		550	700	850	1000	1150	1300		
<b>Amount of circuits</b>									
	Vertical without heat meter connection set	2-4	5-7	8-10	11-13	14-15	-	80	80*
	Vertical with heat meter connection set	2-4	5-7	8-10	11-13	14-15	-	80	95
	Horizontal without heat meter connection set	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
	With pump group Push-23-B	2-3	4-6	7-9	10-12	13-15	-	110	110*
	With pump group MPG 10/Push-23-A	-	2-4	5-7	8-10	11-13	14-15	110	110*
	Horizontal with Viva differential pressure control and heat meter	-	2	3-5	6-8	9-11	12-14	80	80*
	Vertical with Viva differential pressure control and heat meter	-	2-3	4-6	7-9	10-12	13-15	80	95

Dimensions in mm

\*) Plus 10 mm when using the plastic door

## With Uponor Vario M manifold

	Connection at manifold	Cabinet width $l_1$						$h_1$	$n_h$
		550	700	850	1000	1150	1300		
<b>Amount of circuits</b>									
	Vertical without heat meter connection set	2-4	6-8	9-10	11-13	14-15	-	80	80*
	Vertical with heat meter connection set	2-4	6-8	9-10	11-13	14-15	-	80	95
	Horizontal without heat meter connection set	2-5	7-9	10-11	12-14	15	-	80	80*
	Horizontal with heat meter connection set	-	2-4	5-7	8-10	11-12	13-15	80	95
	With pump group Push-23-B	2-3	5-7	8-10	11-12	13-15	-	110	110*
	With pump group MPG 10/Push-23-A	-	2-4	5-7	8-10	11-13	14-15	110	110*
	Horizontal with Viva differential pressure control and heat meter	-	2-3	4-6	7-9	10-11	12-14	80	80*
	Vertical with Viva differential pressure control and heat meter	-	2-4	5-7	8-10	11-12	13-15	80	95

Dimensions in mm

\*) Plus 10 mm when using the plastic door

## With Uponor Vario S manifold

	Connection at manifold	Cabinet width $l_1$						$h_1$	$n_h$
		550	700	850	1000	1150	1300		
<b>Amount of circuits</b>									
	Vertical without heat meter connection set	2-5	6-8	9-11	12-14	15-16	-	80	80*
	Vertical with heat meter connection set	2-5	6-8	9-11	12-14	15-16	-	80	95
	Horizontal without heat meter connection set	2-6	7-9	10-12	13-15	16	-	80	80*
	Horizontal with heat meter connection set	-	2-4	5-7	8-10	11-13	14-16	80	95
	With pump group Push-23-B	2-4	5-7	8-10	11-13	14-16	-	110	110*
	With pump group MPG 10/Push-23-A	-	2-4	5-7	8-10	11-13	14-16	110	110*
	Horizontal with Viva differential pressure control and heat meter	-	2-3	4-6	7-9	10-12	13-15	80	80*
	Vertical with Viva differential pressure control and heat meter	-	2-4	5-7	8-10	11-13	14-16	80	95

Dimensions in mm

\*) Plus 10 mm when using the plastic door

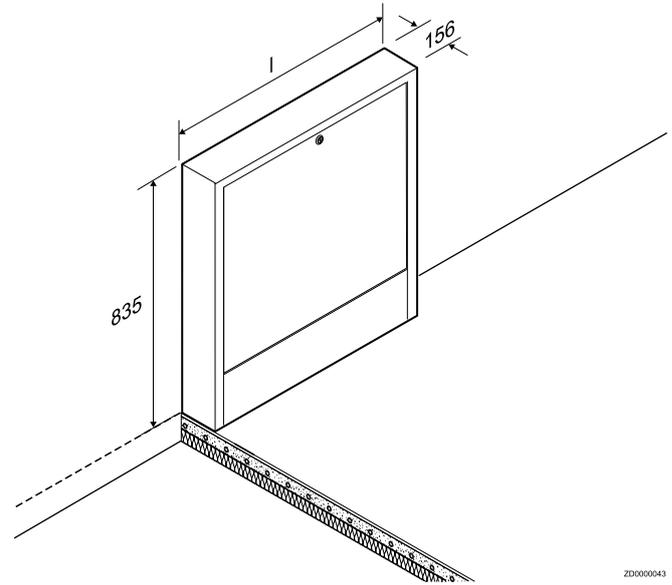
## 1.2 Cabinets for on-wall installation



The backside plate is equipped with rectangular holes, to be able to adjust the cabinet  $\pm 15$  mm in height if needed.

### Configuration

Configuration of Uponor manifolds, Uponor pump groups, and corresponding connection sets in on wall cabinets.



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 E pump groups.

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

The hinged door is equipped with a lock **and can be extended by** Uponor cylinder lock e.g. in public buildings.

### With Uponor Vario PLUS manifold

	Connection at manifold	Cabinet width I			
		600	800	1000	1350
<b>Amount of circuits</b>					
	Vertical without heat meter connection set	2-4	5-8	9-12	13-15
	Vertical with heat meter connection set	2-4	5-8	9-12	13-15
	Horizontal without heat meter connection set	2-5	6-9	10-12	13-15
	Horizontal with heat meter connection set	-	2-5	6-9	10-15
	With pump group Push-23-B	2-3	4-7	8-11	12-15
	With pump group MPG 10/Push-23-A	-	2-5	6-9	10-15
	Horizontal with Viva differential pressure control and heat meter	-	2-4	5-8	9-15
	Vertical with Viva differential pressure control and heat meter	-	2-5	6-9	10-15

Dimensions in mm

\*) Plus 10 mm when using the plastic door

## With Uponor Vario M manifold

	Connection at manifold	Cabinet width I <sub>1</sub>			
		600	800	1000	1350
 <small>RP0000029</small>		<b>Amount of circuits</b>			
	Vertical without heat meter connection set	2-5	6-9	10-12	13-15
	Vertical with heat meter connection set	2-5	6-9	10-12	13-15
	Horizontal without heat meter connection set	2-6	7-10	11-13	14-15
	Horizontal with heat meter connection set	-	2-5	6-9	10-15
	With pump group Push-23-B	2-4	5-8	9-11	12-15
	With pump group MPG 10/Push-23-A	-	2-6	7-10	11-15
	Horizontal with Viva differential pressure control and heat meter	-	2-4	5-8	9-15
	Vertical with Viva differential pressure control and heat meter	-	2-5	6-9	10-15

Dimensions in mm

\*) Plus 10 mm when using the plastic door

## With Uponor Vario S manifold

	Connection at manifold	Cabinet width I <sub>1</sub>			
		600	800	1000	1350
 <small>RP0000031</small>		<b>Amount of circuits</b>			
	Vertical without heat meter connection set	2-5	6-9	10-13	14-16
	Vertical with heat meter connection set	2-5	6-9	10-13	14-16
	Horizontal without heat meter connection set	2-6	7-10	11-14	15-16
	Horizontal with heat meter connection set	-	2-5	6-9	10-16
	With pump group Push-23-B	2-4	5-8	9-12	13-16
	With pump group MPG 10/Push-23-A	-	2-6	7-10	11-16
	Horizontal with Viva differential pressure control and heat meter	-	2-4	5-8	9-15
	Vertical with Viva differential pressure control and heat meter	-	2-5	6-9	10-16

Dimensions in mm

\*) Plus 10 mm when using the plastic door

# 2 Installation and operation

## 2.1 Preparing for installation

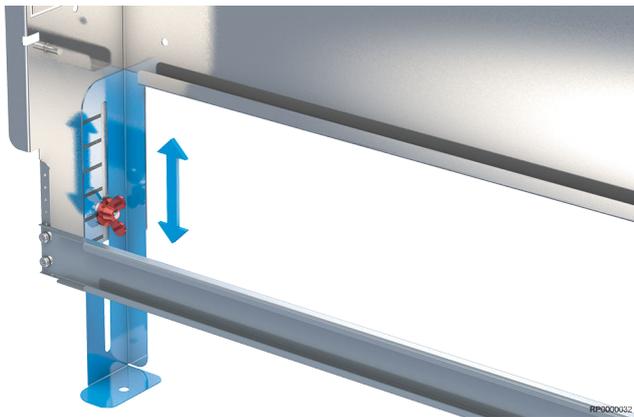
	<b>Caution!</b> Uponor is not liable for any damage resulting from improper use of Uponor products.
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Conform to the following measures when installing the Uponor Vario cabinet:

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](http://www.uponor.com).

## 2.2 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.

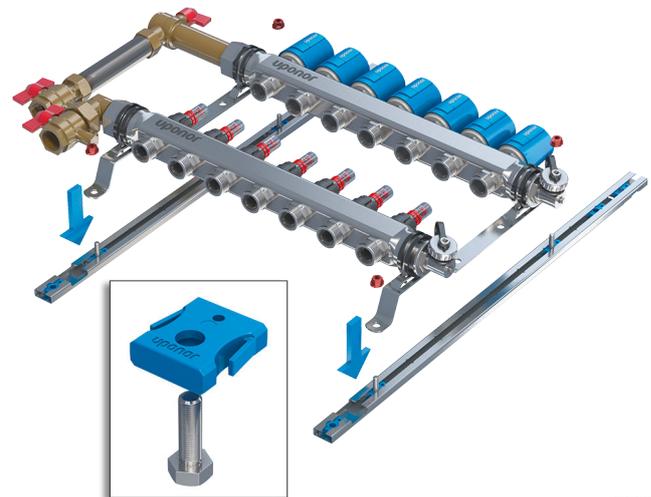
The in-wall cabinets IW 80 are typically installed in drywall applications. The depth of the wall planking ( $2 \times 12.5 = 25 \text{ mm}$ ) must be included in the available cabinet depth.

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

When using plastic doors in conjunction with in-wall cabinets IW 80, please note that the available depth is reduced by 10 mm (door depth = 10 mm).

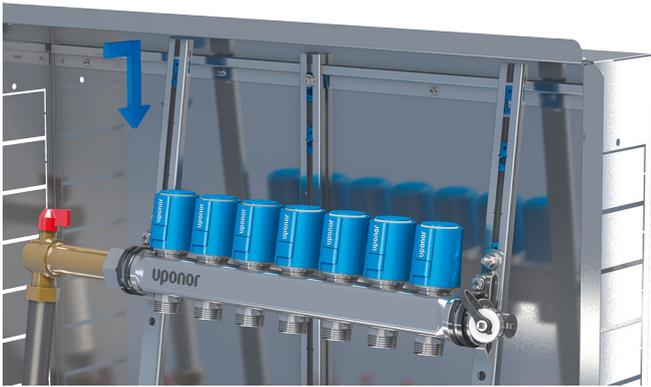
Install Uponor pump groups in the in-wall cabinets IW 110. In-wall cabinets IW 80 are not suitable.

### Manifold fixation



*Fixing Uponor manifolds in C-rails.*

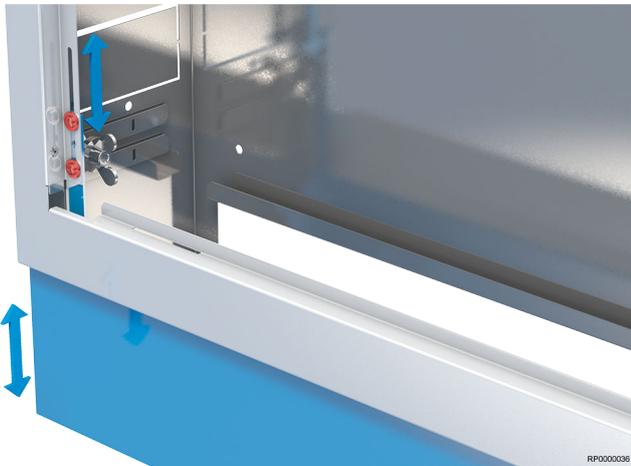
The manifold can be easily mounted on the C-rails at the workbench. Subsequently, the assembly takes place within the in-wall cabinet and will stay there.



*Hang the manifold into the cabinet.*

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

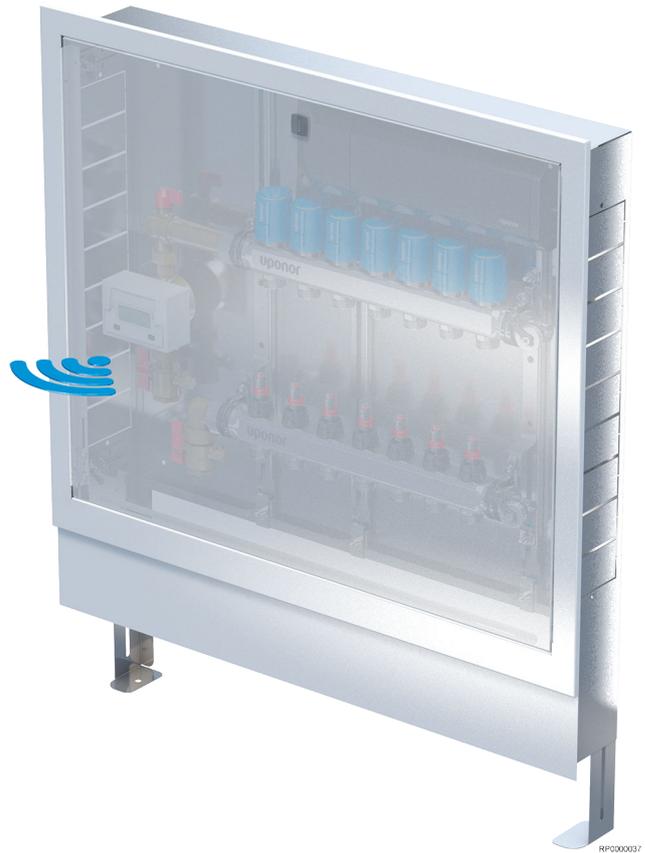
### Frame adaptation



*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.

### 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.

## 2.3 Installation and operation

Read and follow the instructions in the installation manual for Uponor Vario cabinets.

Corresponding instructions are available for download from the Uponor website.



Uponor IM Vario manifolds  
Uponor Smatrix control units  
Uponor Vario actuators

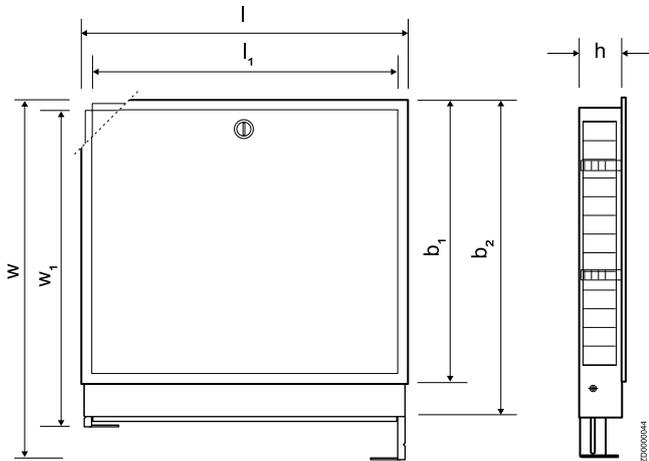


[www.uponor.com/services/download-centre](http://www.uponor.com/services/download-centre)

# 3 Technical data

## 3.1 Dimensions

### In-wall cabinets



Dimensions in mm

### Uponor Vario cabinet IW 110

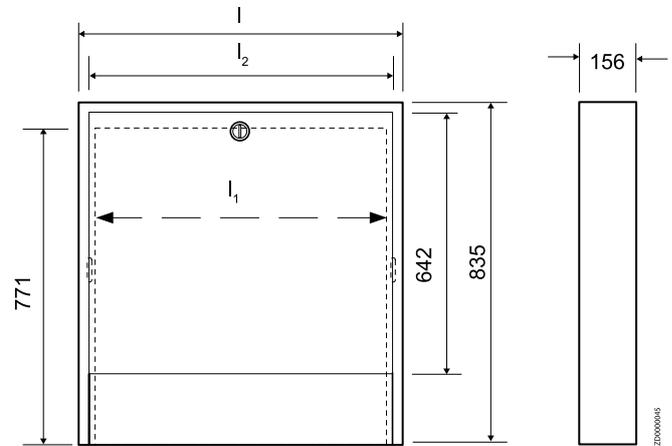
Type	l	l <sub>1</sub>	w	w <sub>1</sub>	b <sub>1</sub>	b <sub>2</sub>	h
UP 550/110	588	550	930	730	659	709	110
UP 700/110	738	700	930	730	659	709	110
UP 850/110	888	850	930	730	659	709	110
UP 1000/110	1038	1000	930	730	659	709	110
UP 1150/110	1188	1150	930	730	659	709	110
UP 1300/110	1338	1300	930	730	659	709	110

### Uponor Vario cabinet IW 80

Type	l	l <sub>1</sub>	w	w <sub>1</sub>	b <sub>1</sub>	b <sub>2</sub>	h
UP 550/80	588	550	930	730	659	709	80
UP 700/80	738	700	930	730	659	709	80
UP 850/80	888	850	930	730	659	709	80
UP 1000/80	1038	1000	930	730	659	709	80
UP 1150/80	1188	1150	930	730	659	709	80
UP 1300/80	1338	1300	930	730	659	709	80

### On-wall cabinets

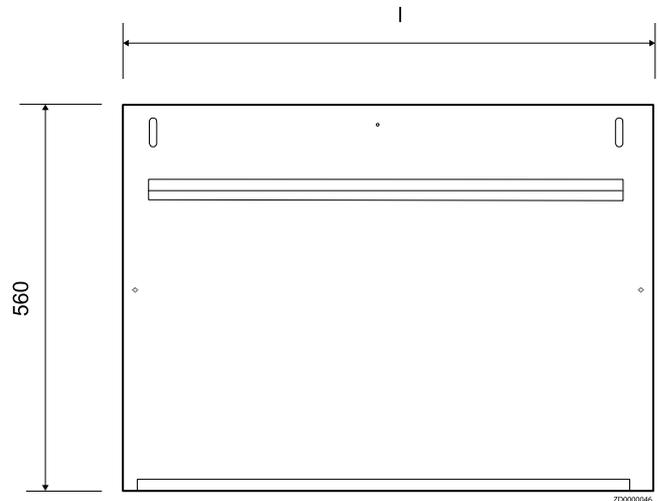
### Uponor Vario cabinet AP



Dimensions in mm

Type	l	l <sub>1</sub>	l <sub>2</sub>
AP 600	600	532	540
AP 800	800	732	740
AP 1000	1000	932	940
AP 1350	1350	1232	1290

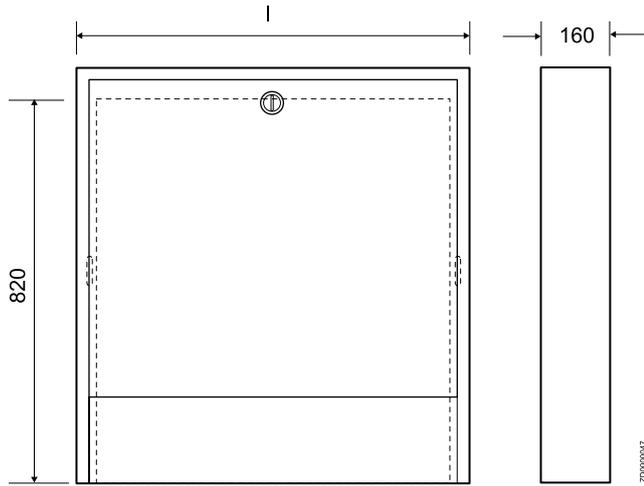
### Uponor Vario cabinet rear board AP



Dimensions in mm

Type	l
AP 580	580
AP 780	780
AP 980	980
AP 1330	1330

## Uponor Vario cabinet NT



Dimensions in mm

Type	l
555x160	555
705x160	705
785x160	785
950x160	950



# Uponor

**Uponor GmbH**

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1095069 05-2019\_EN  
Production: Uponor/ELO

Uponor reserves the right to make changes, without prior notification,  
to the specification of incorporated components in line with its policy of  
continuous improvement and development.



[www.uponor.com](http://www.uponor.com)