

**Danfoss**

**VHX-MONO  
Valve Set for  
Wall Connection**



# Danfoss VHX-MONO Valve Set for Wall Connection Installation Guide

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**Danfoss**

## Danfoss VHX-MONO Valve Set for Wall Connection



## Specifications

- **Product Name:** Danfoss VHX-MONO valve set for wall connection
- **Material:** Soft steel, copper, VPE PEX tubes, AluPEX tubes

- **Dimensions:** 8mm, 10mm, 12mm, 14mm, 15mm, 16mm
- **Danfoss Codes:** 013G4108, 013G4110, 013G4112, 013G4114, 013G4115, 013G4116

## Product Usage Instructions

### Free Connection Setup

- Choose the placement of the thermostatic element (left or right) with the return always on the thermostat side.

### Fit Cu-Tube in Wall

- Fit the copper tube in the wall and cut it to a length of A+B.

### Radiator Placement

Place the radiator on the floor with mounted brackets. Fit the valve loosely and measure distance A from valve to floor.

### Fittings

Use appropriate fittings based on the type of tubes being used (soft steel, copper, VPE PEX, AluPEX). Refer to the table for dimensions and Danfoss codes.

### Hexagon Pads Alignment

- Use hexagon pads in valve inlets to align the radiator on pipes.

### Presetting and KV-Values

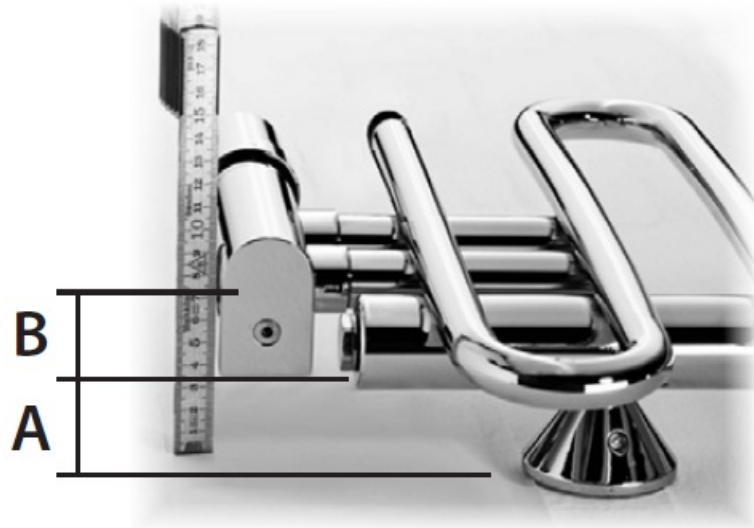
- Set the KV value on the valve based on the desired flow rate. Connect the thermostat if not already done.

## Installation

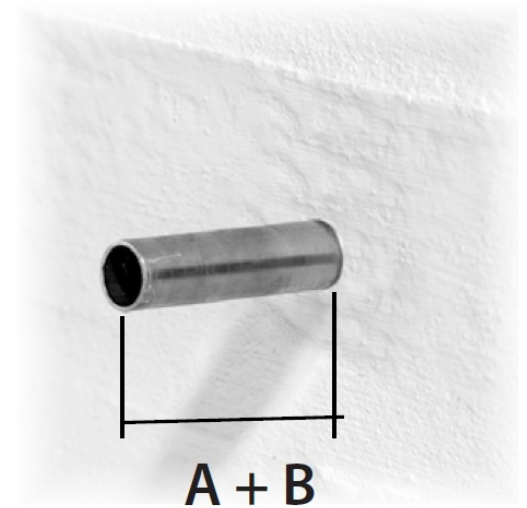
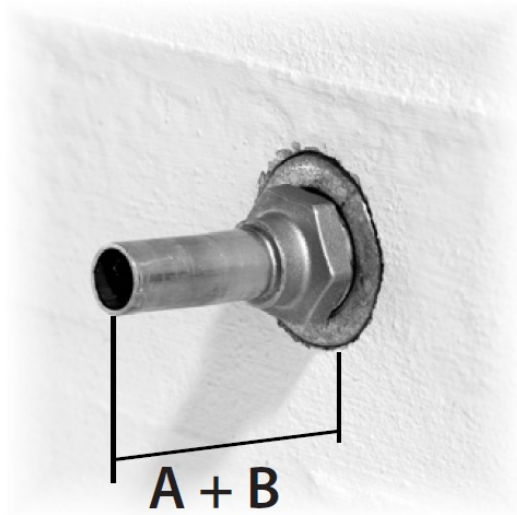
### Installation Guide



- Free connection (left or right) – return always on thermostat side.



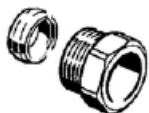
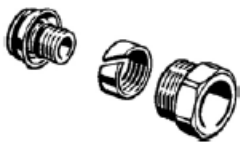
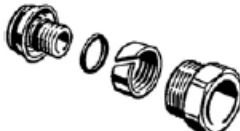
- Place radiator on floor, with mounted brackets, – fit valve (loose) and measure distance A from valve to floor.

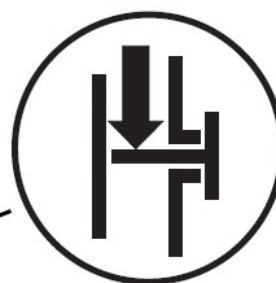
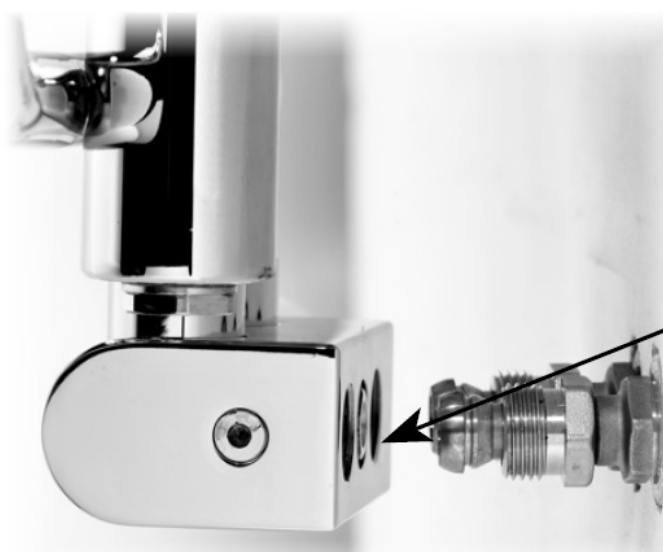


- Fit cu-tube in wall and cut. Length =  $A+B$ .

## Dimensions

# 4

	Dimension	Danfoss code	B (mm)
Fittings for soft steel and copper tubes 	8	013G4108	18
	10	013G4110	18
	12	013G4112	18
	14	013G4114	18
	15	013G4115	24
	16	013G4116	24
Fittings for VPE PEX tubes 	12 x 1.1	013G4143	16
	12 x 2	013G4142	16
	14 x 2	013G4144	16
	15 x 2.5	013G4147	16
	16 x 2	013G4146	16
Fittings for AluPEX tubes 	12 x 2	013G4172	16
	14 x 2	013G4174	16
	16 x 2	013G4176	16



M4 Hex

- Use hexagon pads in valve inlets to align radiator on pipes.



- Mark position and mount radiator on wall.



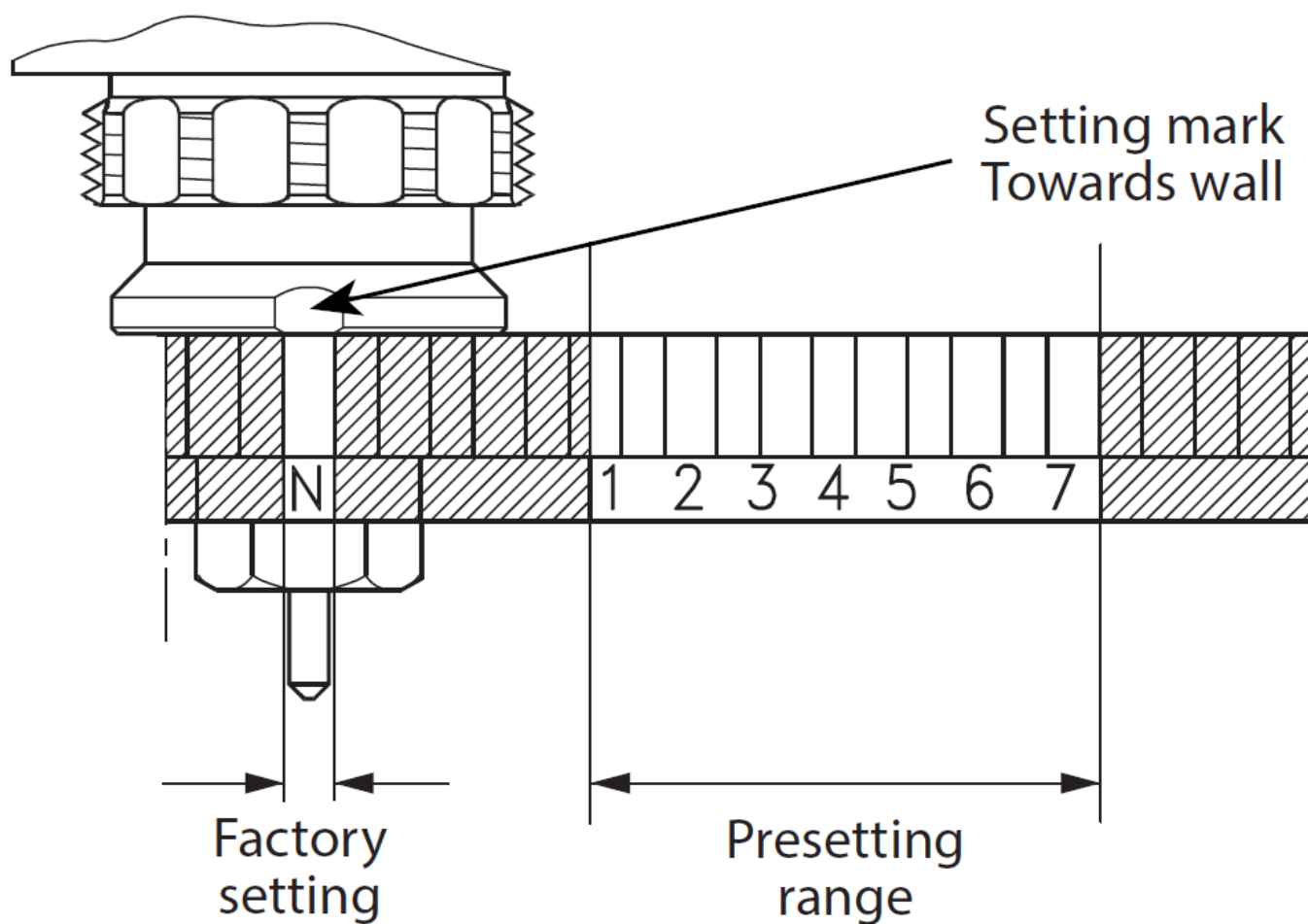
- Place fitting on pipes and tighten into valve.



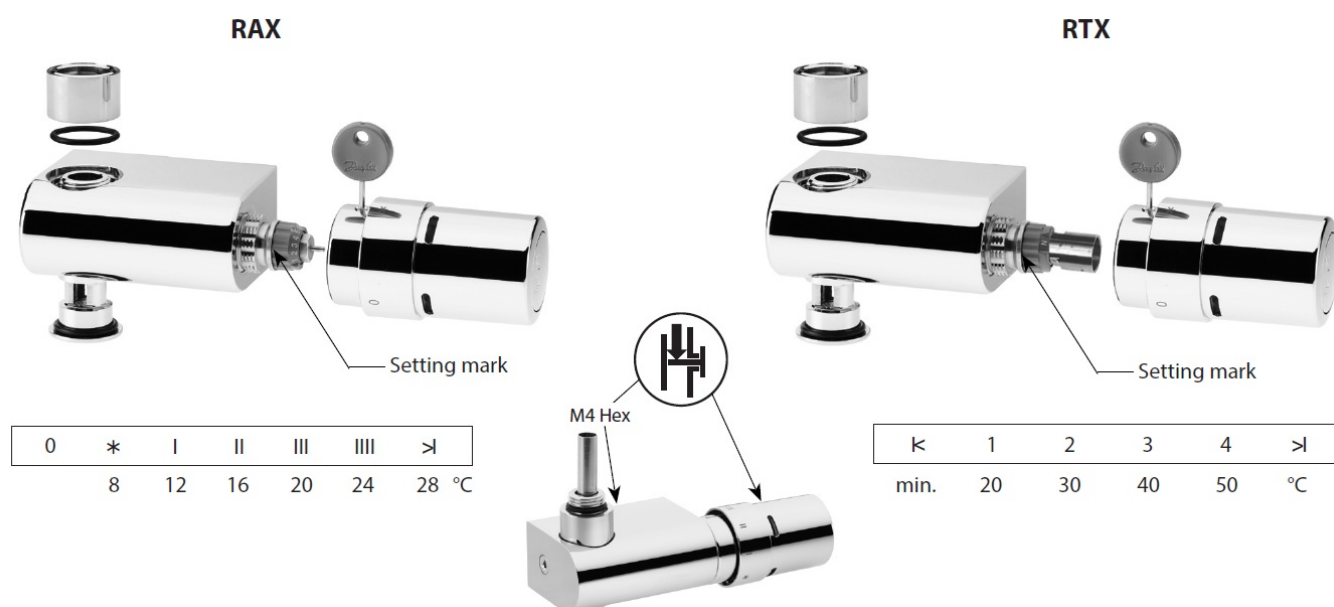
- Tighten valve to radiator.

#### **Presetting and kv-values for Xp = 0.5 -2K**

Valve setting	1	2	3	4	5	6	7	N
3 kv-value (m /h)	0.12	0.15	0.20	0.25	0.30	0.34	0.38	0.40



- Preset kv on valve and connect thermostat, if not already done.



## MORE INFORMATION

### Danfoss A/S


- Climate Solutions
- [danfoss.com](https://danfoss.com)
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Any information, including, but not limited to information on selection of product, its application or use, product design, weight, dimensions, capacity or any other technical data in product manuals, catalogues descriptions, advertisements, etc. and whether made available in writing, orally, electronically, online or via download, shall be considered informative, and is only binding if and to the extent, explicit reference is made in a quotation or order confirmation. Danfoss cannot accept any responsibility for possible errors in catalogues, brochures, videos and other material. Danfoss reserves the right to alter its products without notice. This also applies to products ordered but not delivered provided that such alterations can be made without changes to form, fit or function of the product. All trademarks in this material are property of Danfoss A/S or Danfoss group companies. Danfoss and the Danfoss logo are trademarks of Danfoss A/S. All rights reserved.

## FAQ

- **Q: How do I choose the placement of the thermostatic element?**
  - **A:** You can freely choose to place the thermostatic element on the left or right side, ensuring that the return is always on the thermostat side.
- **Q: What type of fittings should I use for different tube materials?**
  - **A:** Refer to the provided table for specific fittings based on soft steel, copper, VPE PEX, or AluPEX tubes.
- **Q: How do I align the radiator on pipes?**
  - **A:** Use hexagon pads in the valve inlets to properly align the radiator on the pipes.

## Documents / Resources

	<p><a href="#">Danfoss VHX-MONO Valve Set for Wall Connection</a> [pdf] Installation Guide</p> <p>013R9433, 013G4108, 013G4110, 013G4112, 013G4114, 013G4115, 013G4116, 013G4143, 013G4142, 013G4144, 013G4147, 013G4146, 013G4172, 013G4174, 013G4176, VHX-MONO Valve Set for Wall Connection, VHX-MONO, Valve Set for Wall Connection, Set for Wall Connection, Wall Connection</p>
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## References

- [User Manual](#)

[Manuals+](#), [Privacy Policy](#)

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