



Supply technology
in water products

Lindab **LinFlow**

New control valve

The purpose of valves in water systems

In water based ventilation system an effective control valve is important when it comes to adjusting, controlling and regulating the water pressure for both cooling and heating. The correct selection and dimensioning of control valves is important for the total functionality of the ventilation system and in addition it also has a significant impact on the investment, operating costs, safety and energy efficiency.

LinFlow is very silent in combination with active chilled beams. LinFlow is available in a angled and straight model and the regulation of LinFlow valves is done by thermo-electric actuators.

Optimize your water products with LinFlow

The valve is specially developed for Lindab chilled beams but can also be used with any standard application such as radiant panels and facade units etc.

Better temperature control

The new LinFlow achieves a more linear valve characteristics compared to a standard valve. This ensures a more precise water flow, which gives better temperature control and lower energy losses.

Low sound generation

LinFlow also generates extremely low noise, which allows the usage of a wider product range with smaller pipe connections, longer beams and stronger batteries.

Advantages

- Better temperature control
- Lower sound generation
- Toolless pre-settings
- Quick installation with push-on connections



LinFlow - The valve with clear benefits

Lindab actuator A

- the thermo-electric actuator A 40405 with simple ON/OFF function



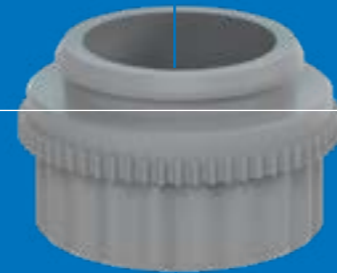
Lindab actuator APR

- the thermo-electric actuator APR 40505 with proportional 0-10V control



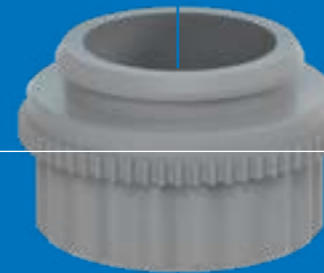
Visible scale

- from position 0.5 to 10



Toolless pre-settings

- adjustment without any tools or adjusting key



Accessories

- Oxygen impermeable flexible hoses with push-on fittings



Connection to actuator

- M28 x 1.5 mm, VA-64



Push-on fittings

- fast, easy and secure connection
- no need for tools or soldering

Easy and simple installation

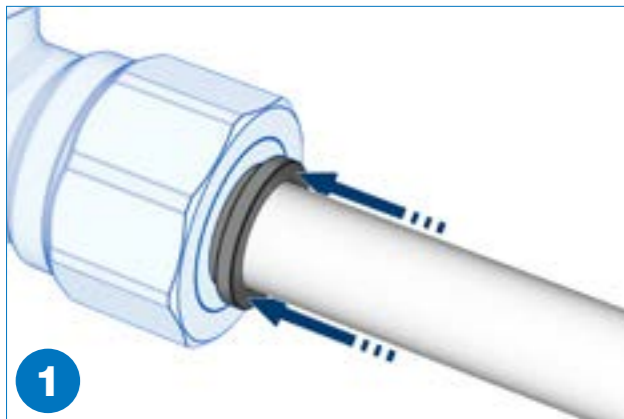


1 Prepare the pipe end with a deburring tool. 1 mm of the end should be angled at 30°. Push the pipe into the pipe stop.



2 Make sure that the pipe is fully inserted and pull on the pipe to confirm it is secure.

Push-on. De-connection



1 Push in the collet/clip toward the fitting.

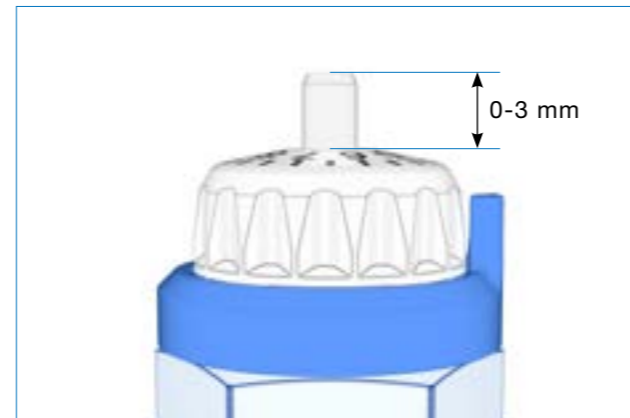


2 Pull out the pipe.

Pre-setting of valve



The KV value varies between the different valve sizes. See the pre-setting position for the desired value in the data sheet.



Stroke 0-3 mm (0 = closed, 3 = open).

Technical data

Actuator connection	M28 x 1.5 mm
Max. static pressure: Copper pipes	at 23°C 10 bar - non shock
	at 70°C 7 bar - non shock
Max. static pressure: PEX pipes	at 23°C 10 bar - non shock
	at 70°C 7 bar - non shock
Pressure class	PN10
Max. differential pressure	2.5 bar
Max. temperature	70°C

Straight control valve LinFlow-S

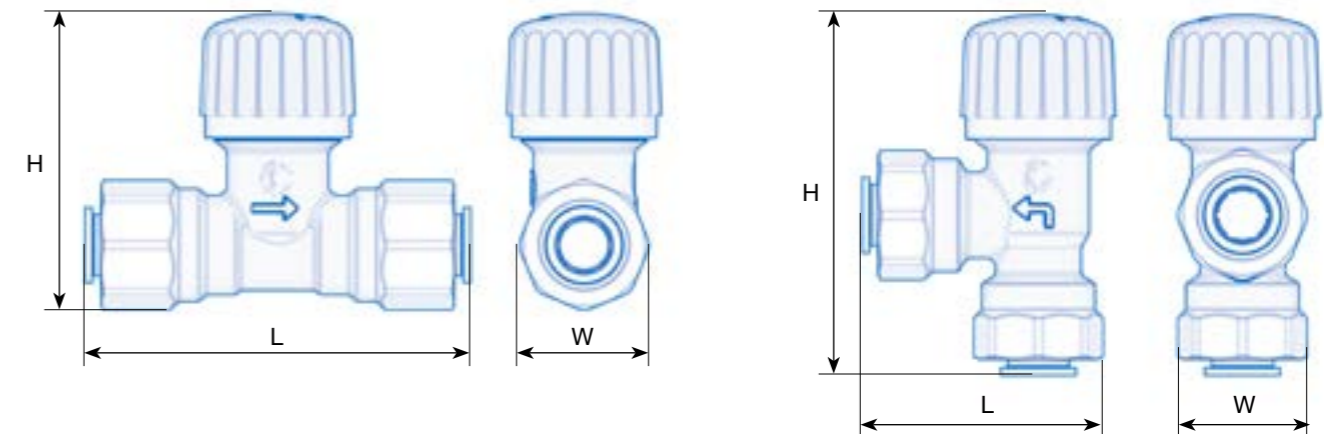
[Click here for more technical info](#)

Connection sizes	L mm	H mm	W mm	Weight g	K _v
DN12	77	65	33.7	280	0,07-0,83
DN15	77	65	33.7	258	0,08-0,98

Angled control valve LinFlow-A

[Click here for more technical info](#)

Connection sizes	L mm	H mm	W mm	Weight g	K _v
DN12	51.8	75.5	33.7	238	0,03-0,92



Supporting IT tool

LindQST is an online tool that makes it possible to plan, calculate and design your projects. Calculate the correct pre-setting position in combination with Lindab waterborne products with our online tool [LindQST Waterborne Calculator](#).





Good Thinking

At Lindab, good thinking is a philosophy that guides us in everything we do. We have made it our mission to create a healthy indoor climate – and to simplify the construction of sustainable buildings. We do that by designing innovative products and solutions that are easy to use, as well as offering efficient availability and logistics. We are also working on ways to reduce our impact on our environment and climate. We do that by developing methods to produce our solutions using a minimum of energy and natural resources, and by reducing negative effects on the environment. We use steel in our products. It's one of few materials that can be recycled an infinite number of times without losing any of its properties. That means less carbon emissions in nature and less energy wasted.

We simplify construction