

## Frese LOOP

### Application

Frese LOOP is used to control a bypass temperature in a loop, or to limit a maximum return temperature in a circuit.

The valve automatically controls the temperature of the water that circulates through it. The valve is adjusted on a scale to a desired temperature in a range between 37 °C and 65 °C.



### Advantages

- Frese LOOP is constructed in DZR brass to offer long lifetime in closed heating applications
- The thermostatic element is out of contact with the circulating water
- Each valve is calibrated individually
- The thermostatic element can be disassembled without closing the water

### Functions

- The setting of the valves is stepless between 37 °C and 65 °C with an accuracy of +/- 2 °C
- Available in DN15 Male/Male

## Frese LOOP

### Thermal control

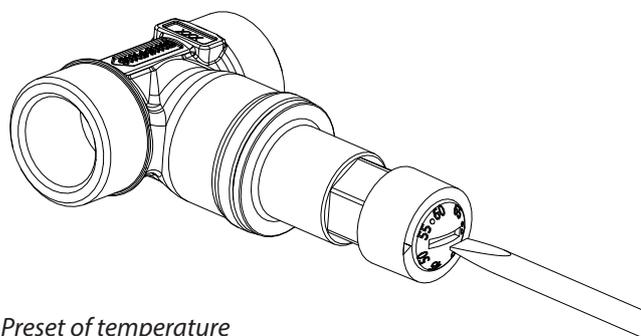
Frese LOOP controls the bypass temperature in a loop to secure hot water is available when a demand occurs. Furthermore it can ensure a maximum return temperature in a heating application.

#### Example

If the valve is set to a temperature of 40°C, and the temperature of the circulating water is under 40°C, the valve opens. If the temperature is over 40°C, the valve closes.

#### Setting the valve

Temperature setting between 37°C and 65°C is easily set by a screwdriver as shown here.

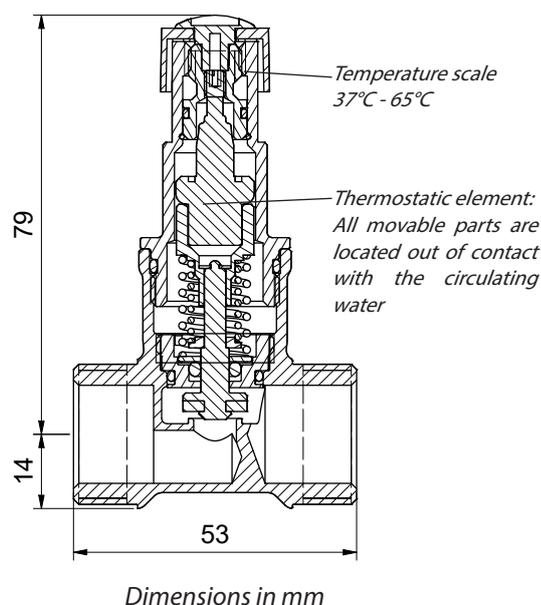


Preset of temperature

### Technical data

#### Materials:

<b>Valve body:</b>	DZR Brass
<b>O-rings:</b>	EPDM
<b>Springs:</b>	Stainless steel AISI 304
<b>Thermostatic element:</b>	Wax
<b>Plastic parts:</b>	POM
<b>Temperature range:</b>	37 °C - 65 °C
<b>Factory preset temperature:</b>	40°C
<b>Accuracy:</b>	+/- 2 °C < 250 kPa ΔP
<b>P-band:</b>	10 °C (Xp = 10K)
<b>Max. Kv-value:</b>	1.10 (m <sup>3</sup> /h)
<b>Max. ΔP:</b>	250 kPa
<b>Pressure range:</b>	PN16
<b>Connections:</b>	G 3/4



Dimensions in mm

The pipe system shall be properly ventilated to avoid risk of air pockets.  
Glycolic mixtures up to 50% are applicable (both ethylene and propylene).  
Recommendation: Water treatment to VDI 2035.

### Product programme

Dimension	Frese no.	Weight [kg]
DN15 Male/Male (20 Pcs/box)	47-2849	0.32

### Accessories

	Dimension	Frese no.
	Couplings DN15 incl. gasket. Set with 2 pcs.	43-2330

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