

## FVRe, Thermostatic radiator valve with energy-saving functionality



- Airing protection
- Low sound level
- Energy-saving mode
- Dimension: DN 10-15
- Temperature: 5°C to +100°C
- Pressure class: PN 10

# Description of FVRe

## Areas of use

The FVRe thermostatic radiator valves are used together with max limited thermostatic heads in the heating system

The thermostatic radiator valve can be mounted into manifolds.

## Dimensioning

The FVRe valve offers a very precise presetting feature hidden beneath the stuffing box.

If the thermostatic head is removed, the valve shuts down to a nominal value (kv 0.05) and the energy-saving feature is triggered.

If the preset kv is greater than 0.05 the temperature in the room will then be lower if the thermostatic head is removed.

The valve also goes into energy-saving mode if the temperature at the thermostatic head drops.

The valve is supplied with a green protective cap which entails presetting and e-function.

The protective cap has a washer which is used to set the nominal flow and to cancel the e-function during balancing.

The FVRe valve has built-in protection against manipulation.

# Description of FVRe

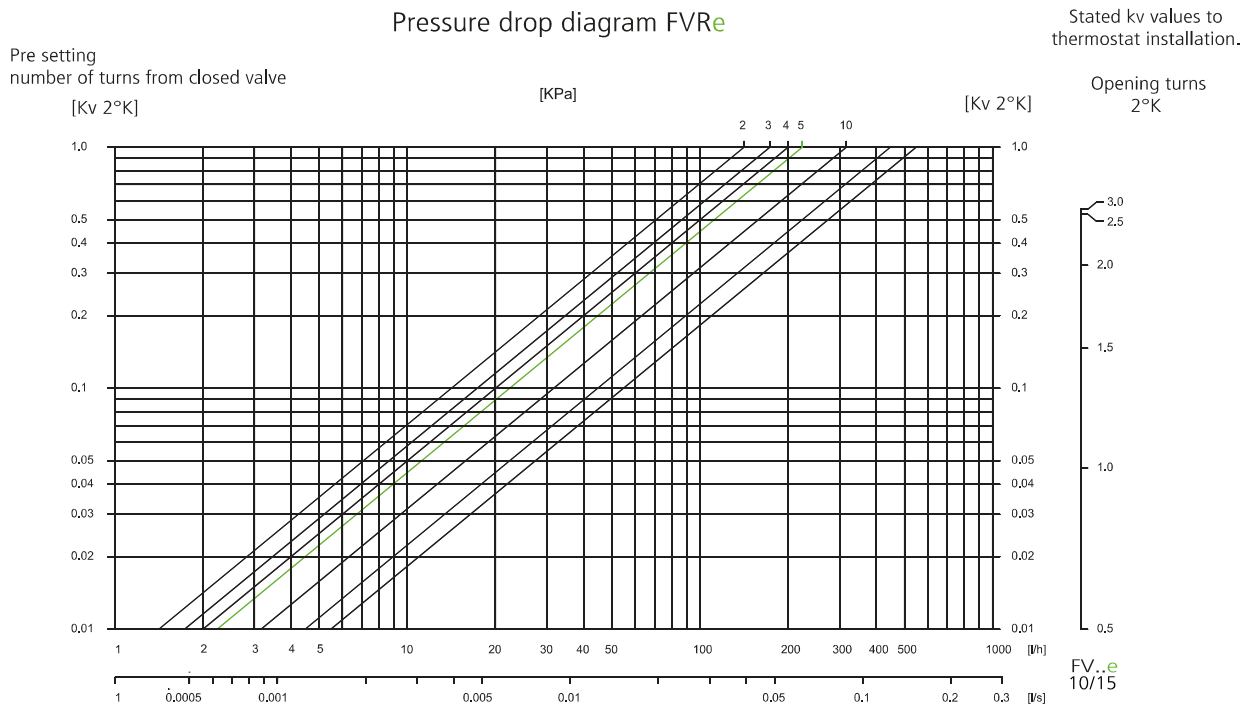


## Setting

The dimensioning of the FVRe is carried out in diagrams. We recommend a differential pressure of 5 kPa for sizing the valve.

Maximum pressure drop of 30 kPa during operation to avoid sound generation.

## Diagram for FVRe valve



# Description of **FVRe**

## Setting

The presetting is done with the FN2 presetting key or the FV21 tool by opening a number of turns from closed valve in line with the pressure drop diagram.

Unscrew the protective cap. Remove the stuffing box with the pin (using the top of the FN2 presetting key).

Insert the presetting key with the serrated end in the control sleeve and screw it carefully to the bottom (clockwise).

Screw up the number of turns outlined in the diagram.

Refit the stuffing box with the pin.

Remount the protective cap with the washer, to balance the system.

After balancing, remove the washer and the protective cap from the valve.

Mount the thermostatic head on the valve.

## Technical data

### Pressure class

PN 10

### Max. temperature

100°C

### Min. temperature

5°C

### Material

Brass

### Capacity

FVRe

Kv 0.05-0.5

### Max. differential pressure

LP <30dB(A) at 30kPa

### Max. closing pressure

250 kPa

### Connection

M28 x 1.5

### Surface treatment

Nickel-plated

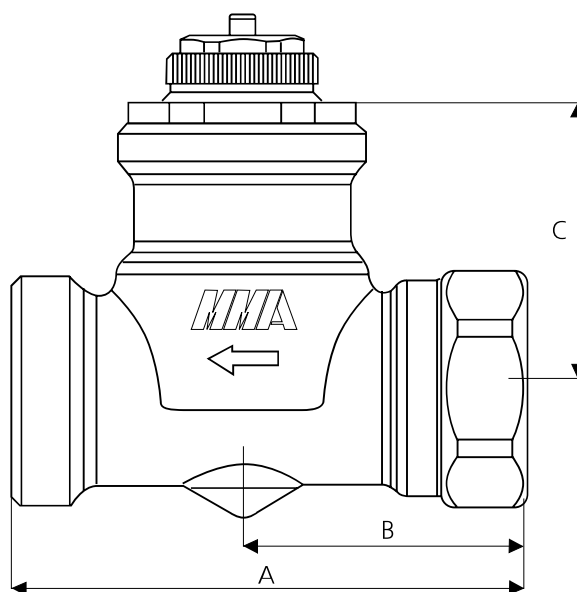
# Product details for FVRe

## Ordering codes

Article number	Designation	Description
FDJV20010AAX00SE0	FVRe 10	Straight valve DN 10, connection 3/8"
FDJV20015AAX00SE0	FVRe 15	Straight valve DN 15, connection 1/2

## Dimensions, mm

	Size	A	B	C	Weight/g
FVRe 10	DN 10	51	29	33	150
FVRe 15	DN 15	58	32	33	180



We reserve the right to alter information without notice