evo*flow*

- **Accurate and linear**
- **Durable material, low lead**
- **Silent**

- **Dimension:** DN 10-20, Kvs 0,82
- **Temperature:** 5-100ºC
- **Pressure class:** PN10

Description evoflow

Area of use
The thermostatic radiatorvalve Evoflow is used in heating-, cooling and tap water systems.
Evoflow can be used as a loose valve or mounted in manifolds.
Evoflow is used together with a thermostatic head, actuator or a manual hand wheel.

Description
The thermostatic radiatorvalve Evoflow has an exact pre-setting function, placed
under the stuffing box
Evoflow are designed for modern installations and are ideal for systems with low energy
consumption.
Evoflow is manufactured in low lead brass for the least possible environmental impact.
The thermostatic radiatorvalve has a linear characteristic in the work area for
thermostats with a limited temperature range.
The characteristic provides high precision regulation.
Evoflow can handle high differential pressure before there is any risk of noise.
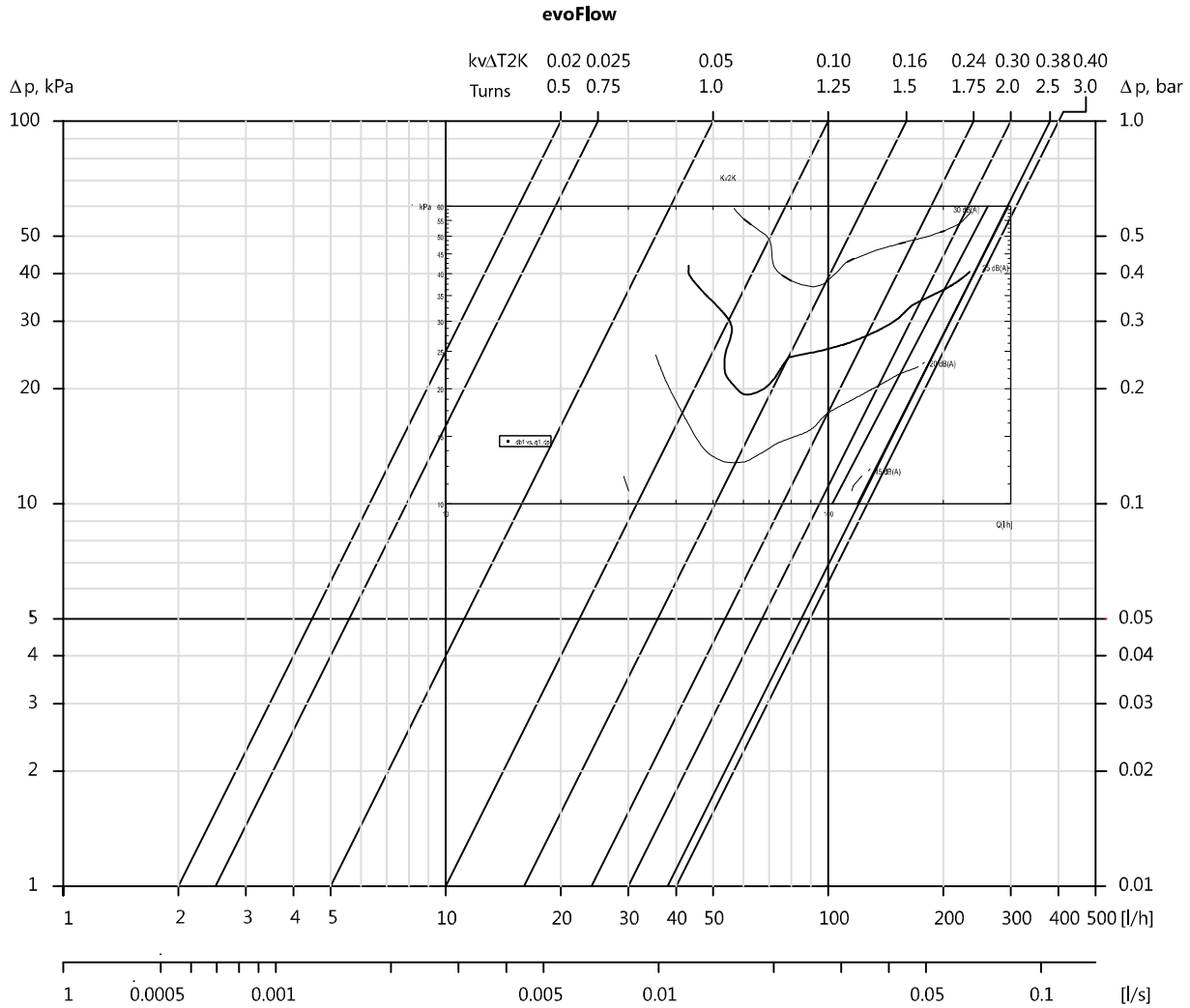
Dimensioning
The thermostatic radiatorvalve Evoflow is chosen with 5 kPa differential pressure for
dimensioning the valve at the desired flow
MMA recommends a minimum of Kv 0,03 in a normal heating system.
Read the settings or the Kv value in the diagram before pre-setting the valve.
For valves that will be used with a thermosatic head use the scale KvΔT2K.
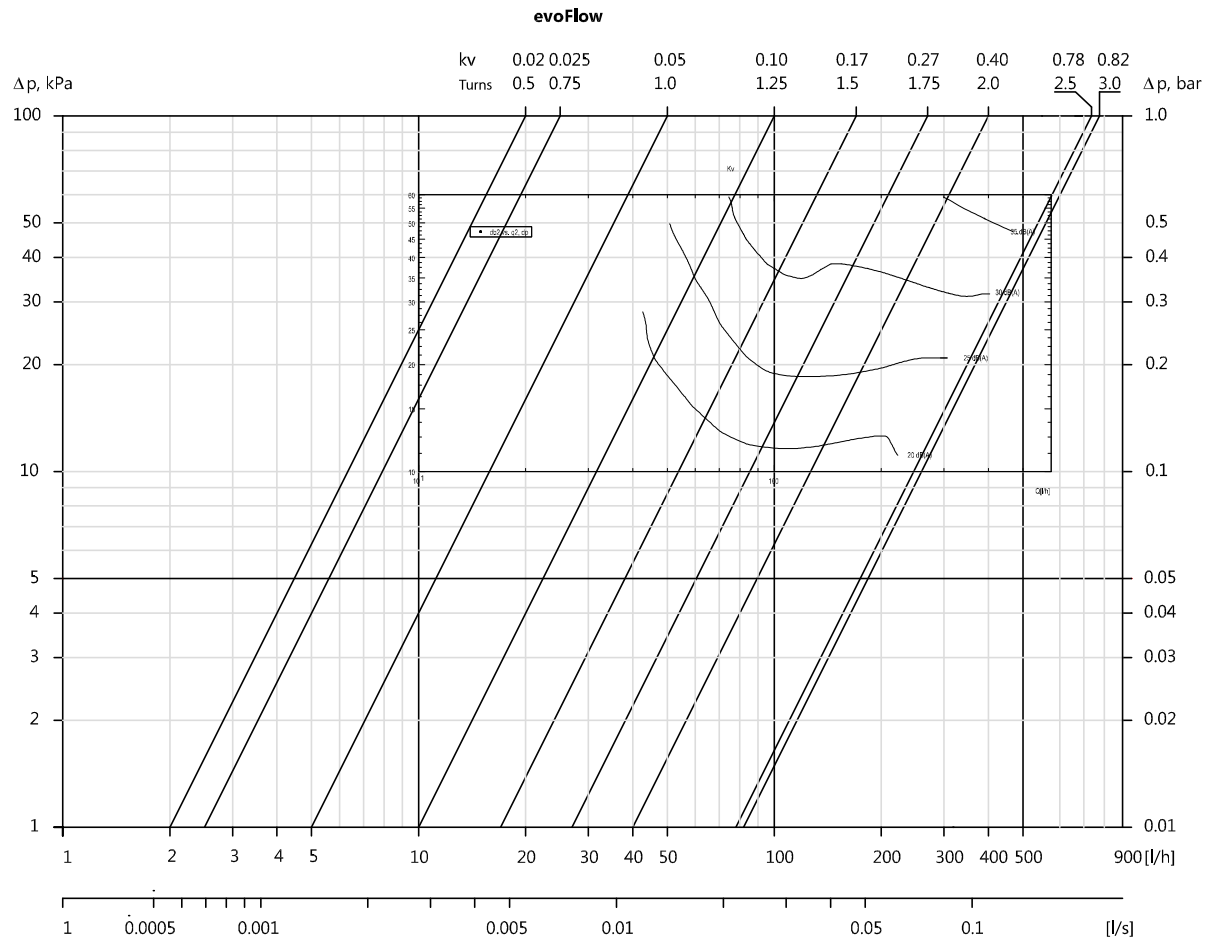For valves that will be used with an actuator use the scale for Kv.

Pre-setting
The presetting is done with the FN2 presetting key or the FV 22 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.

MMA
BY PURMO

Diagram for loose valve with sound data for a thermostatic head

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kvΔT2K	0.02	0.025		0.05		0.10	0.16	0.24	0.30	0.38	0.40
Turns	0.5	0.75		1.0		1.25	1.5	1.75	2.0	2.5	3.0

Δp, kPa

Δp, bar

100
50
40
30
20
10
5
4
3
2
1

1.0
0.5
0.4
0.3
0.2
0.1
0.05
0.04
0.03
0.02
0.01

1　2　3　4　5　　10　20　30　40　50　　100　200　300　400 500 [l/h]

1　0.0005　0.001　　0.005　0.01　　0.05　0.1　[l/s]

Kv2K

30 dB(A)

20 dB(A)

10 dB(A)

5 dB(A)

Q(l/h)

Sound data refers to dBA Lp 10 Sabine when connected to the Purmo 22 500x900 radiator

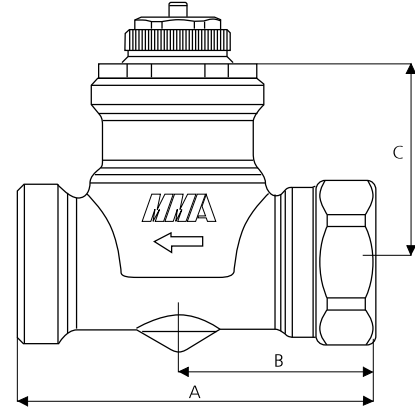# Diagram for loose valve with sound data for an actuator or hand wheel.

evoFlow

kv	0.02	0.025	0.05	0.10	0.17	0.27	0.40	0.78	0.82
Turns	0.5	0.75	1.0	1.25	1.5	1.75	2.0	2.5	3.0

Sound data refers to dBA Lp 10 Sabine when connected to the Purmo 22 500x900 radiator

Product information *Evoflow*

Dimensions mm

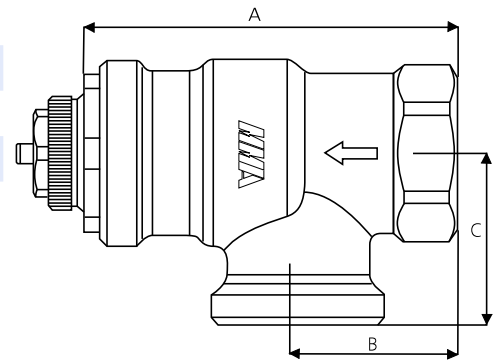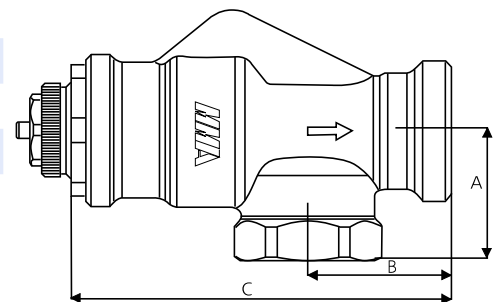| Straight	Size	A	B	C	Weight/g
Evoflow 10	DN 10	51	29	33	134
Evoflow 15	DN 15	58	32	33	161
Evoflow20	DN 20	68	35	30	249

Angel	Size	A	B	C	Weight/g
Evoflow 10	DN 10	54	21	23	131
Evoflow 15	DN 15	57	24	26	153
Evoflow 20	DN 20	60	28	31	236

Reverse angel	Size	A	B	C	Weight/g
Evoflow 10	DN 10	21	22	64	161
Evoflow 15	DN 15	24	26	70	178
Evoflow 20	DN 20	28	31	79	331

Technical data **evo***flow*

Pressure class
PN10

Max temperature
100°C

Min temperature
5°C

Material
Brass

Capacity
KvΔT2K	0,02-0,40
Kv	0,02-0,82
Kvs	0,82

Accuracy according to
According to EN 215, ± 10%, fully open

Recommended maximum differential pressure
Lp<30dB(A) at 30kPa

Connection
M28x1,5

Surface treatment
Nickel plated

Ordering codes

RSK-number	Article number	Designation	DN	Pressure class	KvΔT2K	Kv range	Type
4795830	30411101	Evoflow 10	G10	PN10		0,02-0,82	Straight
4795831	30411102	Evoflow 10	G10	PN10		0,02-0,82	Angle
4795832	30411103	Evoflow 10	G10	PN10		0,02-0,95	Reversed angle
4795833	30411201	Evoflow 15	G15	PN10		0,02-0,82	Straight
4795834	30411202	Evoflow 15	G15	PN10		0,02-0,82	Angle
4795835	30411203	Evoflow 15	G15	PN10		0,02-0,95	Reversed angle
4795836	30411301	Evoflow 20	G20	PN10		0,02-0,95	Straight
4795837	30411302	Evoflow 20	G20	PN10		0,02-0,95	Angle
4795838	30411303	Evoflow 20	G20	PN10		0,02-0,95	Reversed angle
4812078	40810201	Insert Evoflow	M22x1	PN10			
4806104	4870101	FN2, Pre-setting key					

We reserve the right to change the products without prior notice.