

FVR, FVV, FVAV Valve with pre-setting



- Accurate
- Hidden pre-setting
- Many accessories
- Dimension: DN 10-20
- Temperature: 5°C till +100°C
- Pressure class: PN 10

Description *FVR, FVV, FVAV*

Areas of use

The FV valve is used together with a thermostatic head, actuator or a manual wheel in heating and cooling systems.

The FV valve can be obtained mounted in manifolds.

FV = Valve with pre-setting

FVR = Valve with pre-setting straight

FVV = Valve with pre-setting angel

FVAV = Valve with pre-setting reverse angel

Dimensioning

The FV valve series has an exact pre-setting function, placed under the stuffing box.

Pre-setting can be carried out using the pre-setting key FN2 by opening a number of turns from closed valve in line with the pressure drop diagram.

With the pre-setting tool FV5 the pre-setting is simplified.

The valve is delivered with a grey protective cap, which denotes pre-setting.

The protective cap may during installation be used as shut-off, and also during pre-setting to set nominal opening with thermostatic head mounted.

Turn the cap to the bottom and open 3/4 turns.

Valve FVR10, FVV10, FVAV10, FVR15, FVV15 and FVAV 15

are approved under EN215 in combination with Evosense.

FVR10, FVR15 och FVV15 are approved under EN215 in combination with DTW.



Description *FVR, FVV, FVAV*

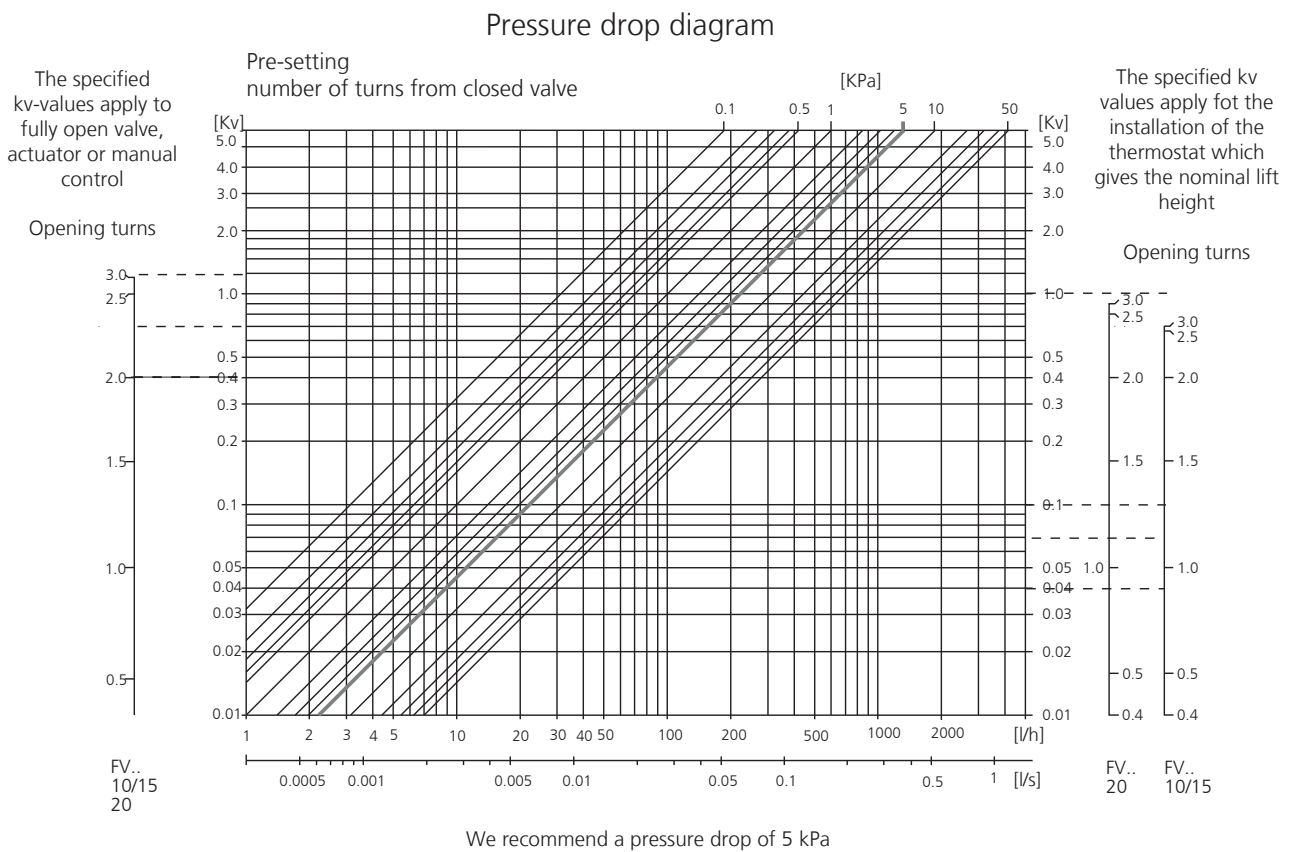


Dimensioning

Dimensioning of FV is done in a diagram. We recommend a differential pressure of 5 kPa for dimensioning valve

Maximum pressure drop of 20 kPa during operation to avoid noise.

Diagram for loose valve FV



Description *FVR, FVV, FVAV*

Setting

The presetting is done with the FN2 presetting key or the FV5 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.

Technical Data

Pressure class

PN 10

Max temperature

100°C

Min temperature

5°C

Material

Brass

Capacity

DN 10-15

DN 20

With thermostat

Kv 0,01-0,7

Kv 0,01-0,9

Without thermostat

Kv 0,01-1,2

Kv 0,01-1,2

Connection

M28*1,5

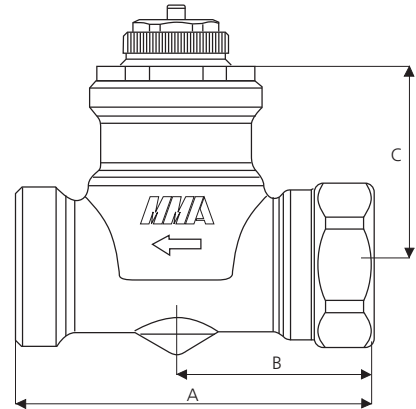
Surface treatment

Nickel plated

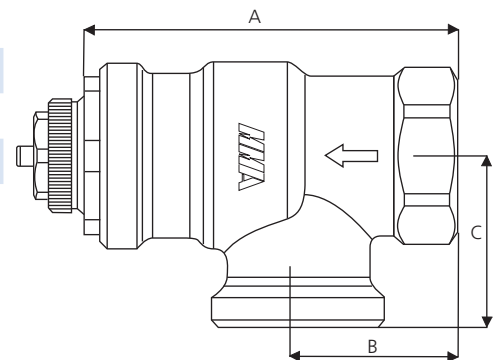
Product information *FVR, FVV, FVAV*

Dimensions mm

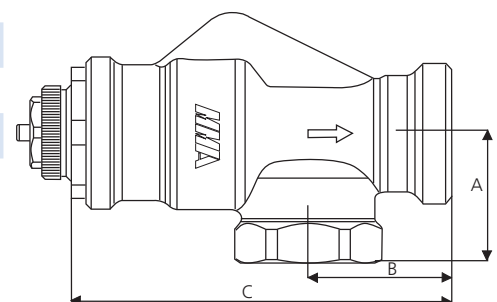
	Size	A	B	C	Weight/g
FVR 10	DN 10	51	29	33	156
FVR 15	DN 15	58	32	33	186
FVR 20	DN 20	68	35	30	268



	Size	A	B	C	Weight/g
FVV 10	DN 10	54	21	23	146
FVV 15	DN 15	57	24	26	170
FVV 20	DN 20	63	28	31	240



	Size	A	B	C	Weight/g
FVAV 10	DN 10	21	22	64	178
FVAV 15	DN 15	24	26	70	190
FVAV 20	DN 20	28	31	77	334



Product information *FVR, FVV, FVAV*

Ordering codes

RSK - number	Articel number	Designation	Description
480 60 73	4042701	FVR 10	Valve straight DN 10, connection 3/8"
480 60 75	4043001	FVR 15	Valve straight DN 15, connection 1/2"
480 60 76	4043301	FVR 20	Valve straight DN 20, connection 3/4"
479 59 09		FVR 10 Black	Valve straight DN 10, connection 3/8"

RSK - number	Articel number	Designation	Description
480 60 77	4042801	FVV 10	Valve angel DN 10, connection 3/8"
480 60 78	4043101	FVV 15	Valve angel DN 15, connection 1/2"
480 60 79	4043401	FVV 20	Valve angel DN 20, connection 3/4"
479 59 08		FVV 10 Black	Valve angel DN 10, connection 3/8"

RSK - nummer	Artikel nummer	Benämning	Beskrivning
480 60 80	4042901	FVAV 10	Valve reverse angel DN 10, connection 3/8"
480 60 81	4043201	FVAV 15	Valve reverse angel DN 15, connection 1/2"
480 60 82	4043501	FVAV 20	Valve reverse angel DN 20, connection 3/4"



Product information *FVR, FVV, FVAV*



Ordering codes spare parts/accessories

RSK - number	Articel number	Designation	Description
480 61 04	4870101	FN 2	Pre-setting key for FV-valve
480 61 03	4873805	FV 5	Pre-setting tool incl FN 2



RSK - number	Articel number	Designation	Description
480 52 70	4876201	Exchange tool	Exchange tool for MMA valves



RSK - number	Articel number	Designation	Description
480 52 13	4080003	TIF insert	Insert for FV-valve



RSK - number	Articel number	Disignation	Description
480 52 15	4088302	TIF stuffing box	Stuffing box for FV-valve



RSK - number	Articel number	Designation	Description
	3501401	Protective cap grey	



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AMA texter

Description texts drawn up after AMA 2012

FV 10-20 PSE.111 **Temperature controlled radiator valves** Thermostat valve with hidden pre-setting cone behind the stuffing box.

Manufacture: AB Markaryd Metallarmatur

Typ: FV

DN: 10, 15 eller 20



We reserve the right to alter information without notice