



Lindab

Valve with pre-setting FV

Areas of use

The FV valve series is used together with a thermostat or manual wheel to regulate the temperature in a room together with radiators, convectors, etc.

Together with Actuator VMC, the FV valve can even be used on cooling systems.

FV valves can be used with a self-acting thermostat or electronic thermostat via an actuator.

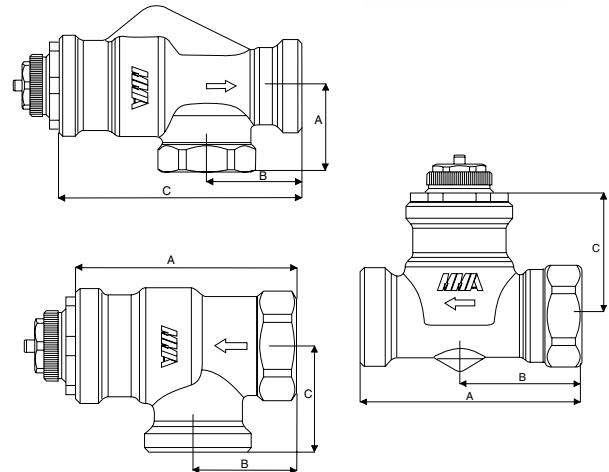
Description

The FV valve series has an exact pre-setting function, placed inside the stuffing box. See below for pre-setting values.

Pre-setting can be carried out using the pre-setting key FN2 by opening a number of turns from shut position as shown on the pressure drop diagram (see next page).

The FV5 pre-setting tool simplifies pre-setting The FV valve series can be ordered in dezincification resistance brass.

The FV series is supplied with a protective cap in grey, which denotes pre-setting.



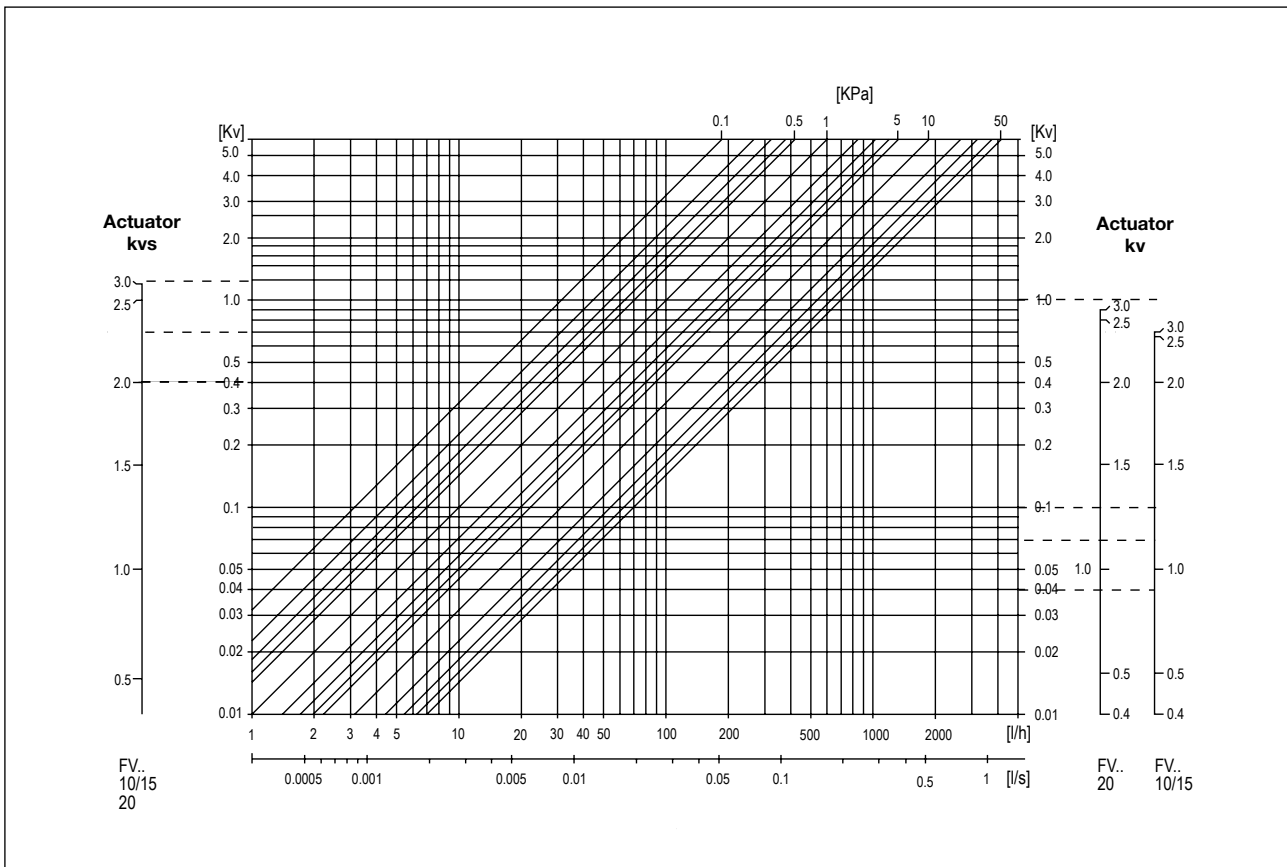
Technical data			
Dimension	mm	/	inch
	10		3/8"
	15		1/2"
	20		3/4"
		kv-value	/ kvs-value
FV10	3/8"	0,01-0,7	0,01-1,2
FV15	1/2"	0,01-0,7	0,01-1,2
FV20	3/4"	0,01-0,9	0,01-1,2
Max shutting pressure	250 kPa		
Max static pressure	1,6 MPa		
Nominal opening mm	0,45 mm/2°K		
Material	Brass 5170		

Design				
	A	B	C	Weight/g
FVR 10	51	29	33	150
FVR 15	58	32	33	180
FVR 20	68	35	30	275
FVV 10	54	21	23	145
FVV 15	57	24	26	170
FVV 20	63	28	31	310
FVAV 10	64	22	21	160
FVAV 15	70	26	24	200
FVAV 20	77	31	28	370

Ordering codes			
480 60 73	Straight valve	FVR 10	4042701
480 60 75	Straight valve	FVR 15	4043001
480 60 76	Straight valve	FVR 20	4043301
480 60 77	Angle valve	FVV10	4042801
480 60 78	Angle valve	FVV15	4043101
480 60 79	Angle valve	FVV20	4043401
480 60 80	Reverse angle valve	FVAV10	4042901
480 60 81	Reverse angle valve	FVAV15	4043201
480 60 82	Reverse angle valve	FVAV20	4043501
480 52 78	Straight valve	FVR 10 AZF	4042706
480 52 79	Angle valve	FVV 10 AZF	4042804
480 52 80	Reverse angle valve	FVAV 10 AZF	4042904



Pressure drop diagram



Pre-setting with FN2

The valves are equipped with a TIF insert with concealed pre-setting.

Setting can be done with the FN2 tool by turning the number of turns as shown in the pressure drop diagram above.

To simplify this process there is a pre-setting tool FV5.

Pre-setting with FV5

- Dismantle the stuffing box with the push rod (use the top of pre-setting key FN2).
- Place the pre-setting key with the bordered end down in the pre-setting sleeve and screw it carefully to the bottom (clockwise).
- Remove the pre-setting key and mount the pre-setting tool (FV5) over the insert splines and replace the pre-setting key through the tool.
- Reset the scale to the index marker.
- Screw up the pre-setting sleeve so that the desired k_v value coincides with the index marker.
- Pre-setting can also be done with the pre-setting key FN2 by turning it upwards the number of turns stated in the diagram for required k_v value.
- Assemble the stuffing box push rod.





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Valve with pre-setting FVX

Areas of use

The FVX valve series is used together with a thermostat or manual wheel to regulate the temperature in a room together with radiators, convectors, etc.

Together with Actuator VMC, the FVX valve can even be used on cooling systems.

FVX valves can be used with a self-acting thermostat or electronic thermostat via an actuator.

Description

The FVX valve series has an exact pre-setting function, placed inside the stuffing box. See below for pre-setting values.

Pre-setting can be carried out using the pre-setting key FN2 by opening a number of turns from shut position as shown on the pressure drop diagram (see next page).

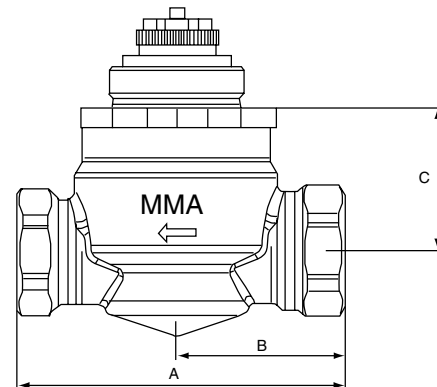
The FV8 pre-setting tool simplifies pre-setting The FVX valve series can be ordered in dezincification resistance brass.

The FVX series is supplied with a protective cap in grey, which denotes pre-setting.



Technical data			
Dimension	mm	/	inch
	15		1/2"
	20		3/4"
		kv-value	/ kvs-value
FV15	1/2"	0,05-1,5	0,05-2,3
FV20	3/4"	0,05-1,5	0,05-3,6
Max shutting pressure	35 kPa		
Max static pressure	1,6 MPa		
Max water temperature	120°C		
Nominal opening mm	0,45 mm/2°K		
Material	CW 614N		

Design				
	A	B	C	Weight/g
FVXR 15	68	34	30	304
FVXR 20	68	34	30	338



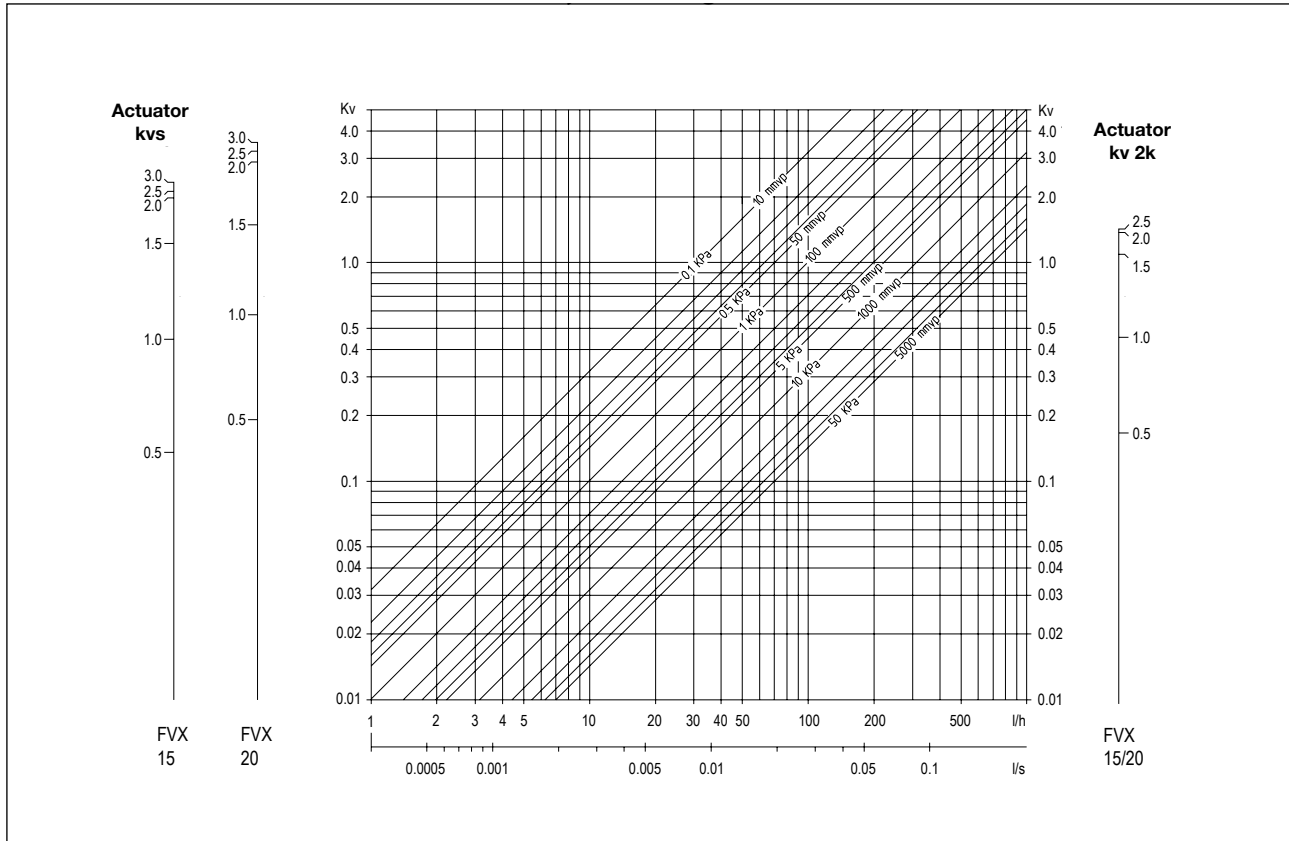
Ordering codes			
480 63 33	Straight valve	FVXR 15	4047401
480 63 34	Straight valve	FVXR 20	4047501
480 63 39	incl. connection	FVXR 15	9000399
480 63 40	incl. connection	FVXR 20	9000401



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Valve with pre-setting FVX

Pressure drop diagram



Pre-setting with FN2

The valves are equipped with TIFH insert with concealed pre-setting.

Setting can be done with tool FN2 through turning the number of turns as shown in the pressure drop diagram above.

To simplify this process there is a pre-setting tool FV8.

Pre-setting with FV8

- Dismantle the stuffing box with the push rod (use the top of pre-setting key FN2).
- Place the pre-setting key with the bordered end down in the pre-setting sleeve and screw it carefully to the bottom (clockwise).
- Remove the pre-setting key and mount the pre-setting tool (FV8) over the insert splines and replace the pre-setting key through the tool.
- Reset the scale to the index marker.
- Screw up the pre-setting sleeve so that the desired k_v value coincides with the index marker.
- Pre-setting can also be done with the pre-setting key FN2 by turning it upwards the number of turns stated in the diagram for required k_v value.
- Assemble the stuffing box push red.

