



Description

The VFF series cast iron valves are used to control the flow of hot or cold water in heating, air conditioning or refrigeration systems in civil and industrial plants. They are motorised with AVFF series actuators.

Technical specifications

Fluid	Hot and cold water (with max. 50% glycol)
Fluid temperature	-25...130°C
Nominal pressure	1600 kPa max (16 bar)
Regulation characteristics	Direct equipercentage path Linear angle path
Regulation capacity	100:1
Leakage	< 0,5 % of KVs
Pipe connection	Flange according EN1092-2
Stroke	See table
Installation position	Horizontal or vertical
Maintenance	Free
Body	QT450 cast iron
Shutter and valve stem	Aisi 304 steel
Seals	PTFE+EPDM
Dimensions and weight	See schedule



2 way	Model	3 way	DN	KVs	Max pres. diff. (bar) *			Stroke D	Actuators
					2 way	3 way (M)	3 way (D)		
VFF250		VFF350	50	40	4	4	2	19	AVFF15...
VFF265		VFF365	65	52	3,5	3,5	2	20	AVFF15...
VFF280		VFF380	80	88	2,5	2,5	2	20	AVFF15...
VFF2100		VFF3100	100	125	3,5	3,5	1,5	40	AVFF30...
VFF2125		VFF3125	125	220	8	2	1	40	AVFF30...
VFF2150		VFF3150	150	300	8	1,2	0,7	40	AVFF30...
VFF2200		VFF3200	200	420	8	0,7	0,7	40	AVFF30...

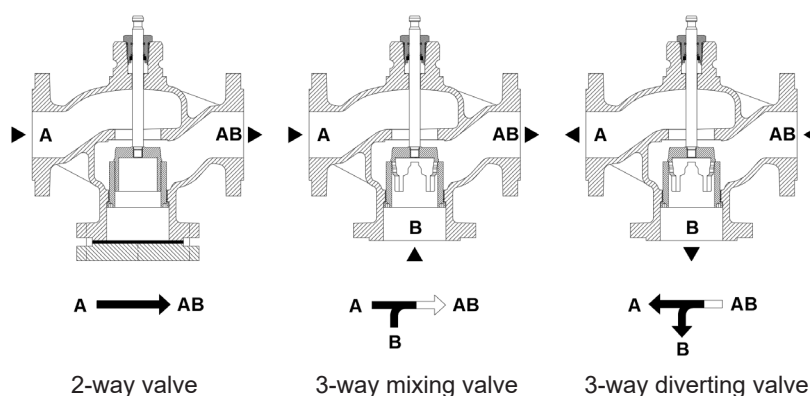
Warnings

Before installing the valves, ensure that the pipes are clean, free of welding slag, perfectly aligned with the valve body and not subject to vibrations. The valve can be installed in any position except upside down. When installing, observe the flow directions indicated by the arrows on the valve body.

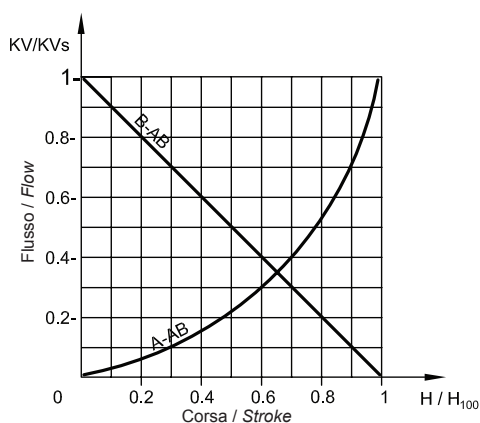
With the stem extended (up), the direct path is closed; with the stem retracted (down), the direct path is open.



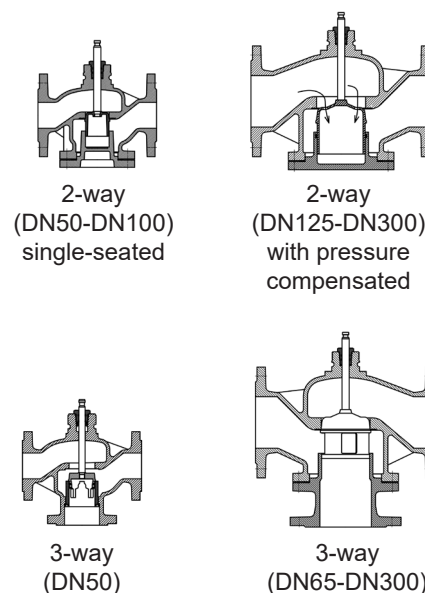
Installation



Flow control characteristic



Port A-AB equal-percentage
 Bypass B-AB linear
 Used as mixing valve
 flow from A and B, outlet to AB
 Used as diverting valve
 flow from AB, outlet to A and B
Port AB constant flow
Port A variable flow
Port B (bypass) variable flow



Dimensions and weights

Model	Connection		Dimension (mm)					Weight	
	DN	L	D	K	H5	H2	h	kg	
VFF250	50	230	165	125	63			12	
VFF350						115	66	9,7	
VFF265	65	290	180	145	77			15	
VFF365						183	66	18	
VFF280	80	310	195	160	76			19,5	
VFF380						193	66	24	
VFF2100	100	350	215	180	99			25	
VFF3100						203	66	30,5	
VFF2125	125	400	245	210	119			39,5	
VFF3125						236	66	44	
VFF2150	150	480	280	240	133			52,5	
VFF3150						254	66	65	
VFF2200	200	495	340	295	145			87,5	
VFF3200						307	66	95	

