Flanged globe valve

VFF 250-300

Description

Cast iron valves, VFF 250–300 series, for hot or chilled water flow control in heating, air conditioning and refrigeration systems for civil and industrial applications. DN 250–300. Suitable for AVFF65 and AVFF100 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

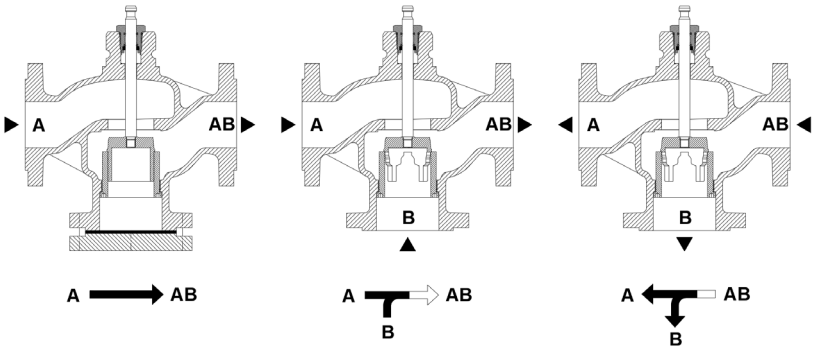
Model		DN	KVs	Max pres. diff. (bar) *			Stroke D	Actuators
2 way	3 way			2 way	3 way (M)	3 way (D)		
VFF2250	**VFF3250**	250	630	8	1,2	0,7	2 vie 40 3 vie 50	AVFF65...
VFF2300	**VFF3300**	300	990	8	1,2	0,7	70	AVFF10K...

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.

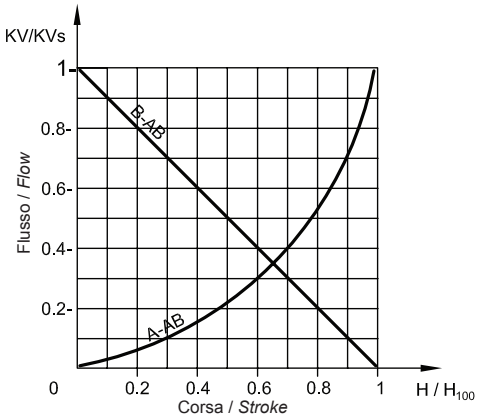
VFF 250-300

Installation



2-way valve | 3-way mixing valve | 3-way diverting valve

Flow control characteristic



Port A-AB equal-percentage
Bypass B-AB linear

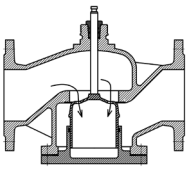
Used as mixing valve
flow from A and B, outlet to AB

Used as diverting valve
flow from AB, outlet to A and B

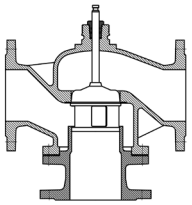
Port AB constant flow

Port A variable flow

Port B (bypass) variable flow



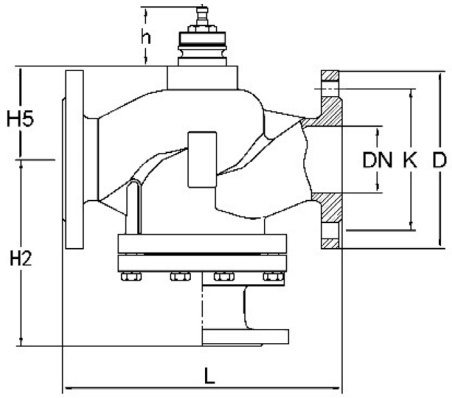
2-way
(DN125-DN300)
with pressure
compensated



3-way
(DN65-DN300)

Dimensions and weights

Model	Connection	Dimension (mm)					Weight
	DN	L	D	K	H5	H2	h	kg
VFF2250	250	622	405	355	248		100	162
VFF3250						392		225
VFF2300	300	698	460	410	280		100	215
VFF3300						389		234



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