CONTROL VALVE PN6
SERIES VLF125 AND VLF135/ VLF335

ESBE valves series VLF125 and VLF135/VLF335 are 2-way and 3-way flanged valves for PN6, DN 15–80.

Flange PN6

Flange PN6

MEDIA

These valves can handle the following types of media:
– Hot and cold water.
– Water with antifreeze additives such as glycol.

If the valve is used for media at temperatures below 0°C (32°F), it should be equipped with a stem heater in order to prevent ice formation on the valve stem.

OPTION DN 15 – 50

Adaptor kit _____ Siemens SQX, Art. No. 2600 07 00

CONTROL VALVE DESIGNED FOR

- ● Heating
- ● Comfort Cooling
- ○ Potable water
- ● Floor heating
- ● Solar heating
- ● Ventilation
- ○ Zone
- ○ District Hot Water
- ● District Heating
- ● District Cooling

SUITABLE ACTUATORS

The control valve series VLF125 and VLF135/VLF335 may most easily be fitted with ESBE actuators:

- ● Series ALA200
- ● Series ALB140
- ● Series ALD100
- ● Series ALD200

TECHNICAL DATA

Type: _____ 2- and 3-way plug valve
Pressure class: _____ PN 6
Flow characteristic A–AB: _____ EQM
Flow characteristic B–AB, DN15-50: _____ Complementary
DN65-80: _____ Linear
Stroke: _____ 20 mm
Rangeability Kv/Kv^{min}: _____ see table
Leakrate A–AB, DN15-50: _____ Tight sealing
DN65-80: _____ max. 0.05% of Kvs
Leakrate B–AB, DN15-50: _____ Tight sealing
DN65-80: _____ max. 1% of Kvs
ΔP_{max}: _____ see tables pages 170-176
Media temperature, DN15-50: _____ max. +120°C, min. -20°C
DN65-80: _____ max. +130°C, min. -10°C
Connection: _____ Flange, ISO 7005–2

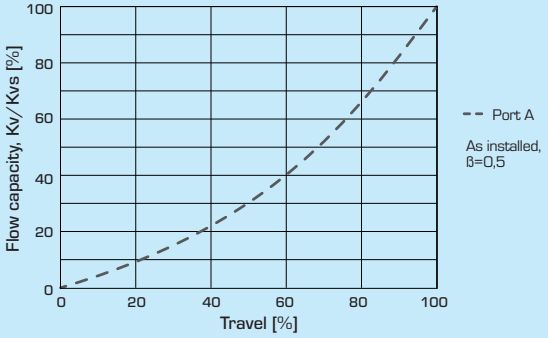
Material, DN15-50
Body: _____ Nodular iron EN-JS 1030
Stem: _____ Stainless steel SS 2346
Plug: _____ Brass CW602N
Seat: _____ Nodular iron EN-JS 1030
Blind plug: _____ Brass CW602N
Seat seal: _____ EPDM
Packing box seal: _____ PTFE / EPDM

Material, DN65-80
Body: _____ Grey cast iron EN-JL 1040
Stem: _____ Stainless steel DIN 1.4305
Plug: _____ Brass CW617N
Seat: _____ Grey cast iron EN-JL 1040
Seat seal: _____ Metallic
Packing box seal: _____ EPDM

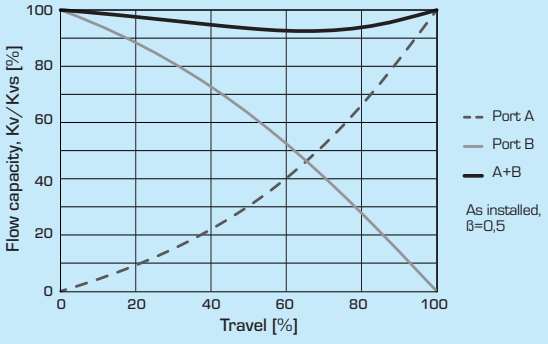
PED 97/23/EC, article 3.3

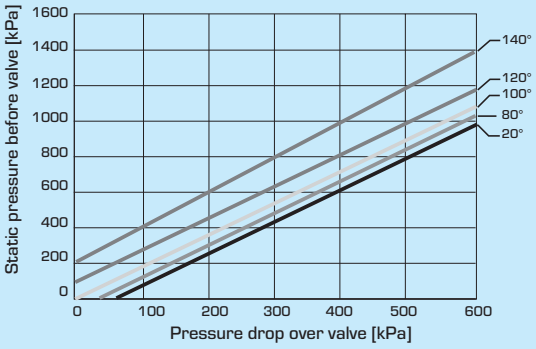
VALVE CHARACTERISTICS

2-way valves, DN15-50



3-way valves, DN15-50

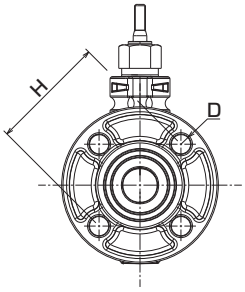


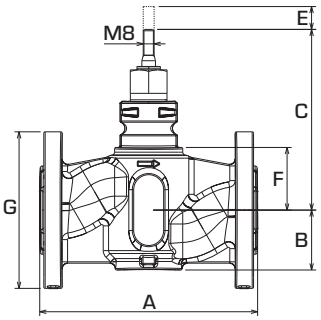


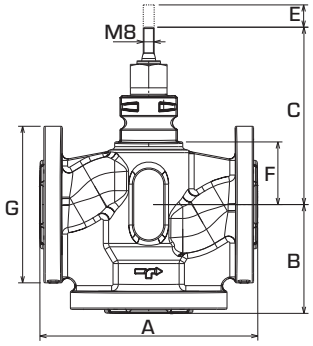
Pressure drop limit where caviation might occur. Is dependent of valve inlet pressure and temperature of water.

ESBE
NO.1 IN HYDRONIC SYSTEM CONTROL

CONTROL VALVE PN6
SERIES VLF125 AND VLF135/ VLF335







2-WAY CONTROL VALVE SERIES VLF125

Art. No.	Reference	DN	Kvs*	A	B	C	D	E	F	G	H	Rangeability Kv/Kv^{min}	Weight [kg]
2100 01 00	VLF125	15	1.6	130	42	123	4x11	20	38	80	55	>50	1.9
2100 02 00			2.5										1.9
2100 03 00			4										1.9
2100 04 00	VLF125	20	6.3	150	44	126	4x11	20	41	90	65	>50	2.4
2100 05 00	VLF125	25	10	160	44	131	4x11	20	46	100	75	>50	2.9
2100 06 00	VLF125	32	16	180	58	144	4x14	20	60	120	90	>50	4.2
2100 07 00	VLF125	40	25	200	60	146	4x14	20	61	130	100	>50	5.4
2100 08 00	VLF125	50	38	230	74	161	4x14	20	76	140	110	>50	6.7

3-WAY CONTROL VALVE SERIES VLF135/VLF335

Art. No.	Reference	DN	Kvs*	A	B	C	D	E	F	G	H	Rangeability Kv/Kv^{min}	Weight [kg]
2100 09 00	VLF135	15	1.6	130	65	123	4x11	20	38	80	55	>50	2.2
2100 10 00			2.5										
2100 11 00			4										
2100 12 00	VLF135	20	6.3	150	75	126	4x11	20	41	90	65	>50	2.9
2100 13 00	VLF135	25	10	160	80	131	4x11	20	46	100	75	>50	3.4
2100 14 00	VLF135	32	16	180	90	144	4x14	20	60	120	90	>50	6.0
2100 15 00	VLF135	40	25	200	100	146	4x14	20	61	130	100	>50	6.5
2100 16 00	VLF135	50	38	230	115	161	4x14	20	76	140	110	>50	8.2
2100 19 00	VLF335	65	49	240	120	119	4x14	20	62	160	130	50	10.7
2100 20 00	VLF335	80	78	260	130	119	4x19	20	62	190	150	50	15.2

* Kvs-value in m^3/h at a pressure drop of 1 bar.