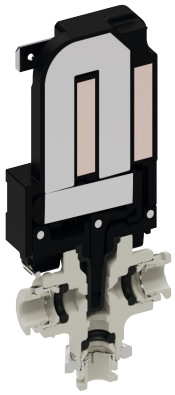
Media-separated solenoid valves, type ELV, series 200

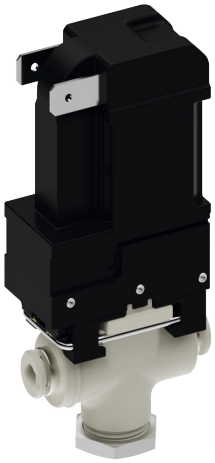


Parameters

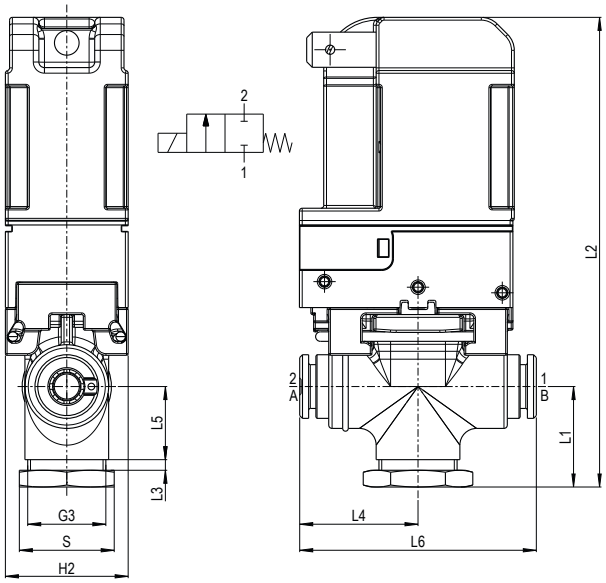
Constructional design	Lever actuated seat valve with separating diaphragm
Actuation	Electric, direct-acting
Functions	2/2-way NC (A) 3/2-way NC (C) 3/2-way distribution valve (F)
Nominal diameter	DN 1.5 – DN 4
Connection sizes metric	Push-in: 4 | 6
Materials	Body: PPSU natural Seal material: FKM Diaphragm: FKM Coil material: Plastic overmoulded PBT
PPSU note	PPSU should not be used in contact with aromatic hydrocarbons, oxidising acids, acetone, chlorinated hydrocarbons, ethers or ketones. Also, PPSU should not be placed directly in contact with anaerobic adhesives.
Alternative materials	Sealing: EPDM
Media	Neutral gases or liquids which do not corrode the materials specified
Medium temperature	0 °C – 143 °C
Ambient temperature	0 °C – 60 °C
Medium viscosity	Up to approx. 35 mm²/s
Pressure range	0–16 bar
Opening time	Approx. 10–25 ms
Closing time	Approx. 15–25 ms
Nominal voltage	24 V DC
Voltage tolerance	± 5%
Duty factor	100% (continuous operation)
Thermal class	H (180 °C)
Electrical connection	Spade terminals for spade connectors 6.3×0.8, DIN 46247
Protection class according to EN 60529	IP00
Electrical power	6 W
Price group	56
Special versions	Further variants on request

2/2-way solenoid valve, ELV 200

Function: „A" normally closed (closing with flow)







Dimensions

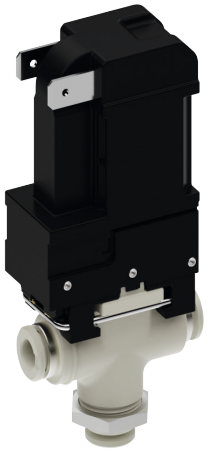
A	B	DN	L1 mm	L2 mm	L3 mm	L4 mm	L5 mm	L6 mm	H2 mm	G3	S mm
4 mm	4 mm	1.5	18.1	84.3	2.0	20.8	13.1	41.6	22.0	M14x1	17.0
6 mm	6 mm	1.5	18.1	84.3	2.0	21.2	13.1	42.4	22.0	M14x1	17.0

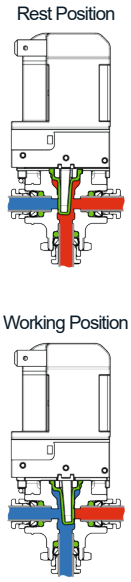
Parameters

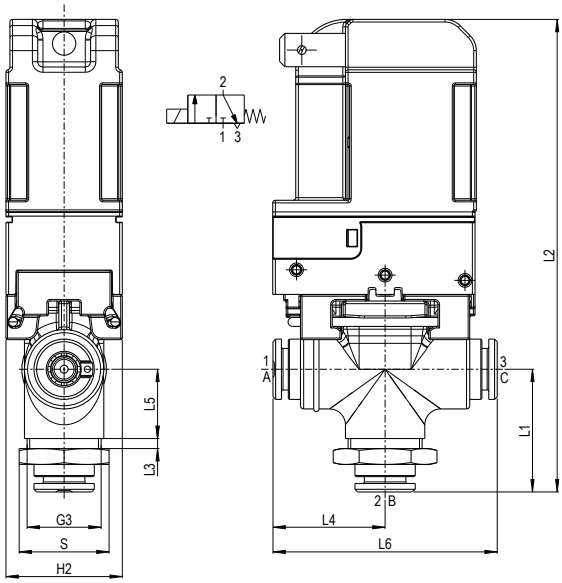
DN	Kv value water	A	B	PN	Operating pressure	Nominal voltage	Type of current	Type	Order No.
1.5	1.4 l/min	4 mm	4 mm	16	0–16 bar	24 V	DC	ELV-221-A15-4FF-024/=-A0	643199
1.5	1.4 l/min	6 mm	6 mm	16	0–16 bar	24 V	DC	ELV-221-A15-6FF-024/=-A0	643200
2	2 l/min	4 mm	4 mm	16	0–16 bar	24 V	DC	ELV-221-A20-4FF-024/=-A0	643201
2	2.4 l/min	6 mm	6 mm	16	0–16 bar	24 V	DC	ELV-221-A20-6FF-024/=-A0	643202
2.5	2.1 l/min	4 mm	4 mm	12.5	0–12.5 bar	24 V	DC	ELV-221-A25-4FF-024/=-A0	643203
2.5	3.6 l/min	6 mm	6 mm	12.5	0–12.5 bar	24 V	DC	ELV-221-A25-6FF-024/=-A0	643204
3	2.1 l/min	4 mm	4 mm	10	0–10 bar	24 V	DC	ELV-221-A30-4FF-024/=-A0	643205
3	4.2 l/min	6 mm	6 mm	10	0–10 bar	24 V	DC	ELV-221-A30-6FF-024/=-A0	643206
4	5.5 l/min	6 mm	6 mm	6	0–6 bar	24 V	DC	ELV-221-A40-6FF-024/=-A0	643207

3/2-way solenoid valve, ELV 200

Function: „C" in 0-position „1" closed, „2" to „3" discharged







Dimensions

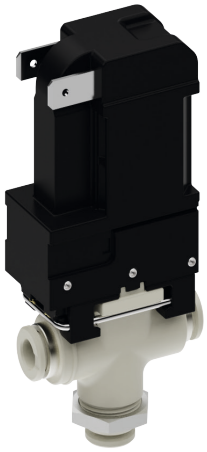
A	B	C	DN	L1 mm	L2 mm	L3 mm	L4 mm	L5 mm	L6 mm	H2 mm	G3	S mm
4 mm	4 mm	4 mm	1.5	22.8	89.0	2.0	20.8	13.1	41.6	22.0	M14x1	17.0
6 mm	6 mm	6 mm	1.5	23.2	89.4	2.0	21.2	13.1	42.4	22.0	M14x1	17.0

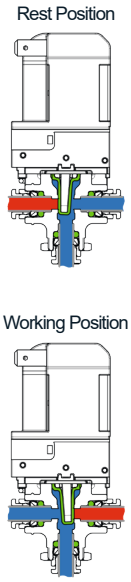
Parameters

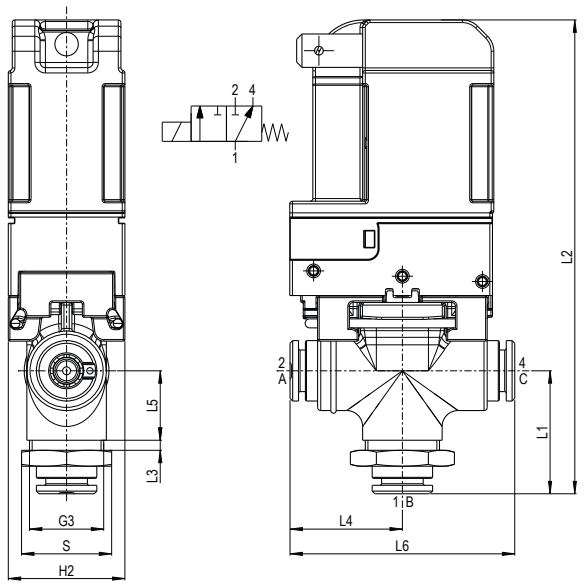
DN	Kv value water	A	B	C	PN	Operating pressure	Nominal voltage	Type of current	Type	Order No.
1.5	1.3 l/min	4 mm	4 mm	4 mm	12.5	0–12.5 bar	24 V	DC	ELV-218-C15-4FF-024/=-A0	643178
1.5	1.3 l/min	6 mm	6 mm	6 mm	12.5	0–12.5 bar	24 V	DC	ELV-218-C15-6FF-024/=-A0	643179
2	1.8 l/min	4 mm	4 mm	4 mm	10	0–10 bar	24 V	DC	ELV-218-C20-4FF-024/=-A0	643180
2	2.1 l/min	6 mm	6 mm	6 mm	10	0–10 bar	24 V	DC	ELV-218-C20-6FF-024/=-A0	643181
2.5	2.1 l/min	4 mm	4 mm	4 mm	8	0–8 bar	24 V	DC	ELV-218-C25-4FF-024/=-A0	643182
2.5	3 l/min	6 mm	6 mm	6 mm	8	0–8 bar	24 V	DC	ELV-218-C25-6FF-024/=-A0	643183
3	2.2 l/min	4 mm	4 mm	4 mm	6	0–6 bar	24 V	DC	ELV-218-C30-4FF-024/=-A0	643184
3	3.5 l/min	6 mm	6 mm	6 mm	6	0–6 bar	24 V	DC	ELV-218-C30-6FF-024/=-A0	643185
4	5.2 l/min	6 mm	6 mm	6 mm	3	0–3 bar	24 V	DC	ELV-218-C40-6FF-024/=-A0	643186

3/2-way solenoid valve, ELV 200

Function: „F" in position „1" closed to „2", „1" open to „4"







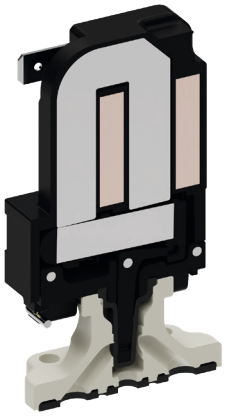
Dimensions

A	B	C	DN	L1 mm	L2 mm	L3 mm	L4 mm	L5 mm	L6 mm	H2 mm	G3	S mm
4 mm	4 mm	4 mm	1.5	22.8	89.0	2.0	20.8	13.1	41.6	22.0	M14x1	17.0
6 mm	6 mm	6 mm	1.5	23.2	89.4	2.0	21.2	13.1	42.4	22.0	M14x1	17.0

Parameters

DN	Kv value water	A	B	C	PN	Operating pressure	Nominal voltage	Type of current	Type	Order No.
1.5	1.3 l/min	4 mm	4 mm	4 mm	12.5	0–12.5 bar	24 V	DC	ELV-239-F15-4FF-024/=-A0	643163
1.5	1.4 l/min	6 mm	6 mm	6 mm	12.5	0–12.5 bar	24 V	DC	ELV-239-F15-6FF-024/=-A0	643164
2	1.8 l/min	4 mm	4 mm	4 mm	10	0–10 bar	24 V	DC	ELV-239-F20-4FF-024/=-A0	643165
2	2.5 l/min	6 mm	6 mm	6 mm	10	0–10 bar	24 V	DC	ELV-239-F20-6FF-024/=-A0	643166
2.5	1.9 l/min	4 mm	4 mm	4 mm	8	0–8 bar	24 V	DC	ELV-239-F25-4FF-024/=-A0	643167
2.5	3.4 l/min	6 mm	6 mm	6 mm	8	0–8 bar	24 V	DC	ELV-239-F25-6FF-024/=-A0	643168
3	2.3 l/min	4 mm	4 mm	4 mm	6	0–6 bar	24 V	DC	ELV-239-F30-4FF-024/=-A0	643169
3	4 l/min	6 mm	6 mm	6 mm	6	0–6 bar	24 V	DC	ELV-239-F30-6FF-024/=-A0	643170
4	5.5 l/min	6 mm	6 mm	6 mm	3	0–3 bar	24 V	DC	ELV-239-F40-6FF-024/=-A0	643171

Media-separated solenoid flange valve, type ELV, series 200



Parameters

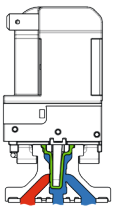
Constructional design	Lever actuated seat valve with separating diaphragm
Actuation	Electric, direct-acting
Functions	3/2-way distribution valve (F)
Nominal diameter	DN 3
Materials	Body: PPSU natural Seal material: FKM Diaphragm: FKM Coil material: Plastic overmoulded PBT Thread press-in insert: Brass, bright
PPSU note	PPSU should not be used in contact with aromatic hydrocarbons, oxidising acids, acetone, chlorinated hydrocarbons, ethers or ketones. Also, PPSU should not be placed directly in contact with anaerobic adhesives.
Alternative materials	Sealing: EPDM
Media	Neutral gases or liquids which do not corrode the materials specified
Medium temperature	0 °C – 143 °C
Ambient temperature	0 °C – 60 °C
Medium viscosity	Up to approx. 35 mm²/s
Pressure range	0–6 bar
Opening time	Approx. 10–25 ms
Closing time	Approx. 15–25 ms
Nominal voltage	24 V DC
Voltage tolerance	± 5%
Duty factor	100%
Thermal class	H (180 °C)
Electrical connection	Spade terminals for spade connectors 6.3×0.8, DIN 46247
Protection class according to EN 60529	IP00
Electrical power	6 W
Price group	56
Special versions	Further variants on request

3/2-way flange solenoid valve, ELV 200

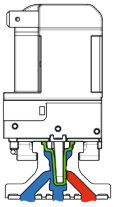
Function: „F" in position „1" closed to „2", „1" open to „4"

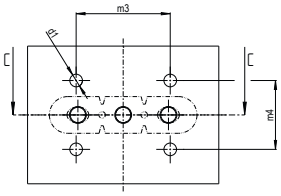


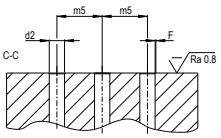
Rest Position

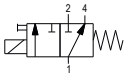


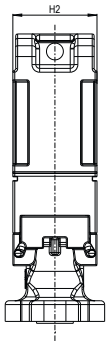
Working Position

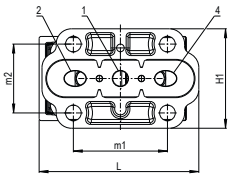


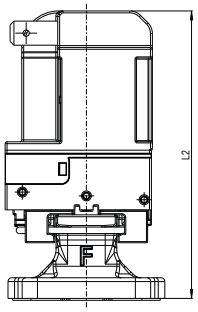












Dimensions

DN	d1 mm	D2 mm	L mm	L2 mm	m1 mm	m2 mm	m3 mm	H1 mm	H2 mm	F
3	3.3	4.0	41.8	75.2	24.6	18.0	24.6	26.0	22.0	0,2x45°

Parameters

DN	Kv value water	PN	Operating pressure	Nominal voltage	Type of current	Type	Order No.
3	3.5 l/min	6	0–6 bar	24 V	DC	ELV-239-F30-FL1FF-024/=-A0	643528