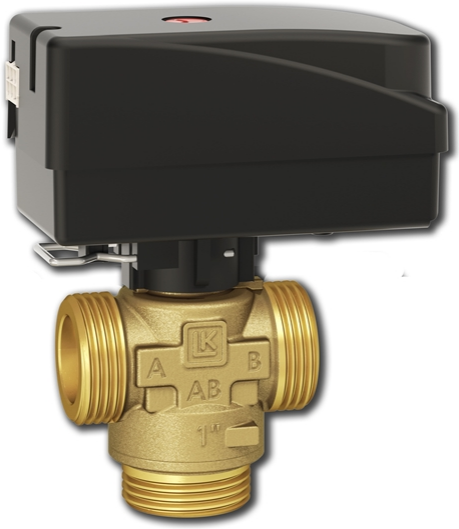
LK 525 MultiZone 3W

Technical data

Working temperature:	Min. +5°C/Max. +80°C (+90°C briefly)
Ambient temperature:	Min. +1°C/Max. +60°C
Max. working pressure:	1.0 MPa (10 bar)
Max. differential pressure:	100 kPa (1 bar)
Leakage:	< 0.1% of Kvs at 100 kPa
Angle of rotation:	60°/360°
Media 1:	Water - Glycol/Ethanol mixture max. 50%
Thread standard:	G - male thread
Actuator:	7 VA, 230 VAC, 50 Hz 7 VA, 24 VAC, 50 Hz
Operation time:	8 seconds (60°)
Electrical connection:	Fixed wire alternatively Molex®-compatible connector
Signal connector:	Single pole SPST
Protection class:	IP 40
Material, valve body:	Brass EN 12165 CW617N
Material, external cover:	Brass EN 12164 CW614N
Material, slide/spindle:	PPS Composite
Cable specification:	Dimension 3 x 0.75 mm²
Wire colors:	Blue, brown, black
External insulation:	PVC
Connection:	Molex® or Molex®-compatible connector, 6-circuit
Approvals:	CE

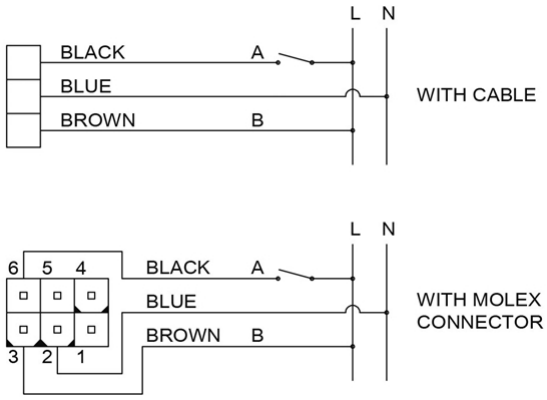


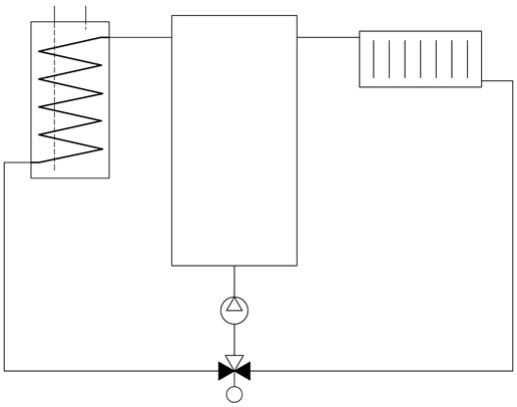
LK 525 MultiZone 3W is a motorized 3-way zone valve for On/Off control. The zone valve is designed with a turning slide which allows it to withstand a larger pressure difference and reduces the risk of it stalling after a long intermission. This makes it especially suited for heat pump applications where there can be long intermissions between the changes to the direction of the flow during the warm season. On the upper surface of the actuator is an indicator that shows which port is open.

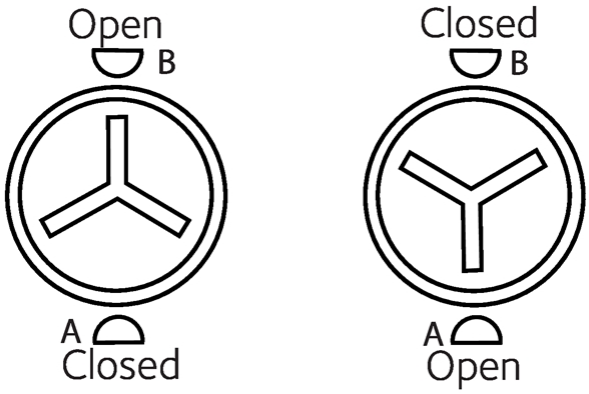
The zone valve must not be installed with the motor underneath the valve unit.

In case of a power failure, the valve cone stays in its current position. When the power is switched off, the valve can be manually set to the centre position, which distributes the flow between the heating and tap water circuits. Remove the motor and turn the spindle about 30° or turn until hot water flows through both valve ports. When the power is restored, turn the valve back to its original position and reinstall the motor.
Please note that the motor can be installed in only one position.

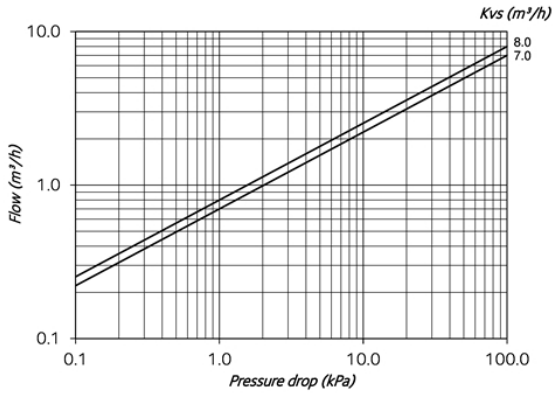
Wiring Diagram



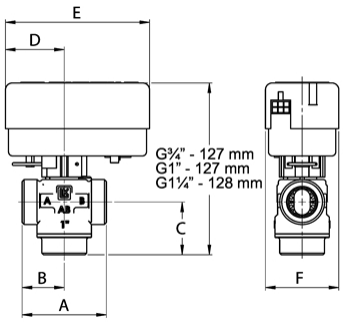




Capacity Diagram

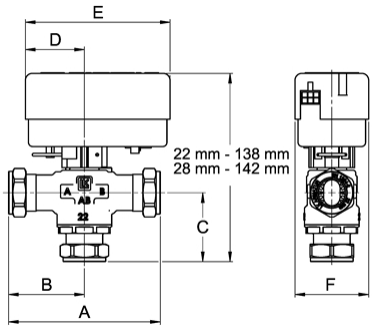


LK 525 3W - Male thread



Article no.	Article	Kvs m³/h	A mm	B mm	C mm	D mm	E mm	F mm	Weight (kg)
066000	Valve unit M ¾"	7.0	70	35	39	43	107	54	0.3
066106	Valve unit M 1"	8.0	62	31	39	43	107	54	0.3
066107	Valve unit M 1¼"	8.0	74	37	40	43	107	54	0.6
066060	EMV 110-M SPST Actuator 230 VAC with Molex®								0.3
066061	EMV 110-K SPST Actuator 230 VAC with cable 1000 mm								0.3
066062	EMV 110-K SPST Actuator 230 VAC with cable 3000 mm								0.4
066063	EMV 110-M SPST Actuator 24 VAC with Molex®								0.3
066083	Cable-M 3x0.75 L=1000 mm with Molex®								0.1

LK 525 3W - Compression fitting



Article no.	Article	Kvs m³/h	A mm	B mm	C mm	D mm	E mm	F mm	Weight (kg)
066108	Valve unit 22 mm	8.0	110	55	50	43	107	54	0.4
066109	Valve unit 28 mm	8.0	110	55	54	43	107	54	0.6
066060	EMV 110-M SPST Actuator 230 VAC with Molex®								0.3
066061	EMV 110-K SPST Actuator 230 VAC with cable 1000 mm								0.3
066062	EMV 110-K SPST Actuator 230 VAC with cable 3000 mm								0.4
066063	EMV 110-M SPST Actuator 24 VAC with Molex®								0.3
066083	Cable-M 3x0.75 L=1000 mm with Molex®								0.1

Spare parts & Accessories

Article no.	Article	Position
011853	Insulation	1