

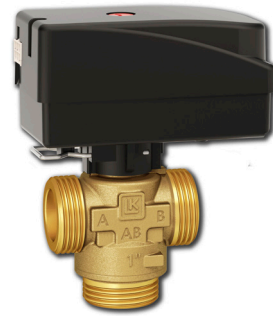
# LK 525 MultiZone

LK Armatur



# LK 525 MultiZone 3W

- Turning slide to reduce risk of stalling
- Minimal leakage



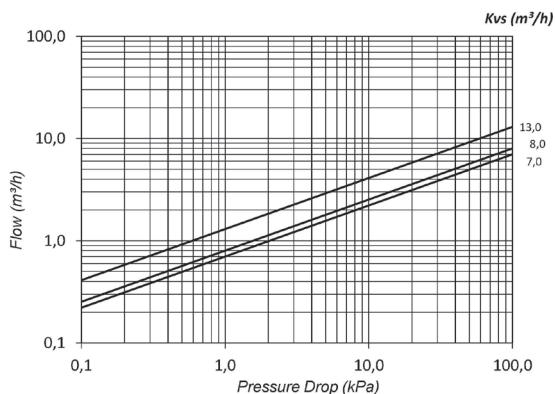
LK 525 MultiZone is a motorized 3-way zone valve for On/Off control. The zone valve is designed with a turning slide which allows it to withstand a larger pressure difference and reduces the risk of it stalling after a long intermission. This makes it especially suited for heat pump applications where 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 actuator underneath the valve unit.

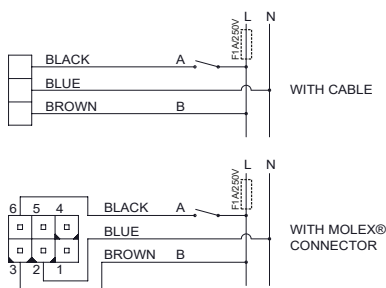
In case of a power failure, the valve cone stays in its current position. When the power is switched off, the valve can be manually set to the centre position, which distributes the flow between the heating and tap water circuits. Remove the actuator and turn the spindle about 30° or turn until hot water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

Please note that the actuator can be installed in only one position.

## CAPACITY DIAGRAM

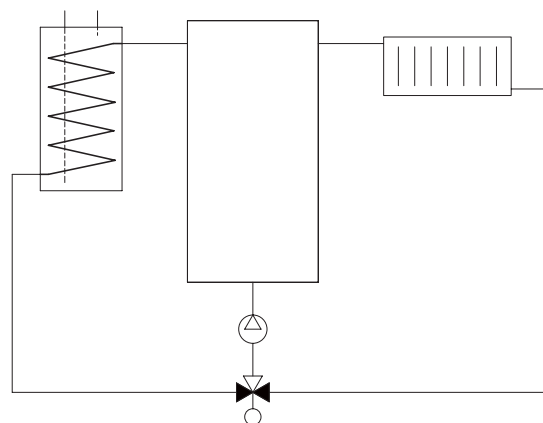


## WIRING DIAGRAM

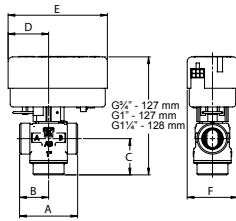


## TECHNICAL DATA

Working temperature	Min. +5°C/Max. +80°C (+90°C briefly)
*Art.no. 066399	*Min. +5°C/Max. +70°C (+80°C briefly)
Ambient temp.	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	Water - Glycol mixture max. 50% Water - Ethanol mixture max. 30%
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 (Molex®) / IP 44 (Kabel)
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 mm <sup>2</sup>
Wire colours	Blue, brown, black
External insulation	PVC
Connection	Molex® or Molex®-compatible connector, 6-circuit (Actuators only)

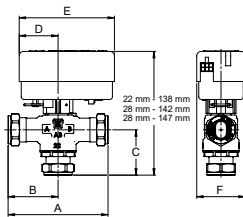


## LK 525 3W - Male thread



Article no.	Article	kvs m <sup>3</sup> /h	a mm	b mm	c mm	d mm	e mm	f mm	weight kg
066000	Valve unit M 3/4"	7.0	70	35	39	43	106	54	0.3
066106	Valve unit M 1"	8.0	62	31	39	43	106	54	0.3
066107	Valve unit M 1 1/4"	8.0	74	37	40	43	106	54	0.6
066418	Valve unit M 1 1/4"	13.0	88	44	48	43	107	54	0.8
066060	EMV 110-G 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 m <sup>3</sup> /h	a mm	b mm	c mm	d mm	e mm	f mm	weight kg
066108	22 mm	8.0	110	55	50	43	106	54	0.4
066109	28 mm	8.0	110	55	54	43	106	54	0.6
066399	28 mm	13	114	57	59	43	107	54	0.8
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 2W

LK 525 MultiZone is also available in a motorized 2-way zone valve for application in heating systems in which the flow through one or more zones is to be controlled. The valve is available in male thread and compression fitting. To read more about LK 525 2W or any of our other products please visit our website [www.lkarmatur.com](http://www.lkarmatur.com)

### SPARE PARTS AND ACCESSORIES



Article no.	Article	Position
011853	Insulation	1

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**FOR THE SIMPLER, SMARTER EVERYDAY**

Simpler. Smarter. More sustainable. At LK, we believe there's a better way to do everything. It's a belief all of us at LK apply to every product and solution we create – from water, heating and hydronic solutions to pipe extrusion.

Our **LK Armatur** business area is a leader in Europe, producing millions of valves per year for the global HVAC market. Beyond individual products, we understand how all parts interact in your complete application. From standard to sophisticated customizations of valves, controllers, components and prefabricated units, our full-spectrum expertise makes it easy to get the results you need today, while anticipating your needs tomorrow.

