

# LK 551 HydroMix

- Comfort and safety in one
- Integrated anti-scald function
- Requires no maintenance



**WRAS**  
APPROVED  
PRODUCT

## Technical data

<b>Working temperature:</b>	Min. 5 °C/Max. 95 °C
<b>Operating temperature:</b>	Min. 25 °C/Max. 45 °C Min. 35 °C/Max. 55 °C Min. 35 °C/Max. 65 °C Diverting temp. Min. 42 °C/Max. 52 °C
<b>Max. working pressure:</b>	1.0 MPa (10 bar)
<b>Media 1:</b>	Water - Ethylene glycol mixture max. 50%
<b>Media 2:</b>	Water - Propylene glycol mixture max. 50%
<b>Media 3:</b>	Water - Ethanol mixture max. 50%
<b>Thread standard:</b>	Rp - female thread, G - male thread
<b>Material, valve body:</b>	DZR Brass EN 12165 CW626N
<b>Other data:</b>	Temperature stability $\pm 3$ °C



LK 551 HydroMix is a mixing valve for water heating and heating systems. The mixing valve has a thermostatic element that regulates the supply of cold as well as hot water in order to achieve the desired temperature. The valve has an anti-scald function that shuts off the incoming hot water flow in case of failure of cold water supply.

Arrows on the valve body indicate the direction of the flow.

C = incoming cold water

H = incoming hot water

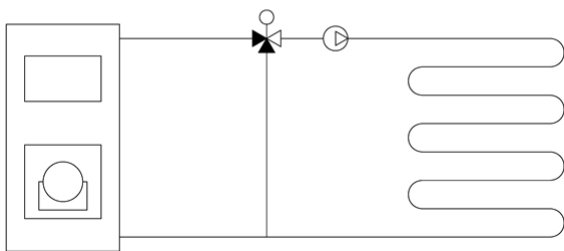
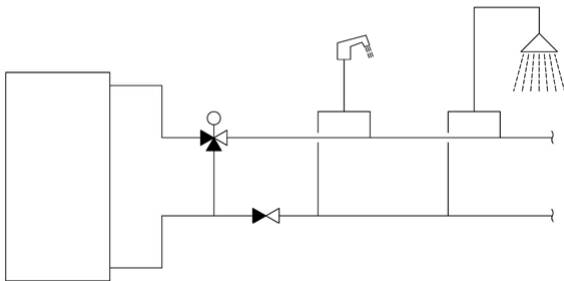
M = outgoing mixed water

When fitted on top of boiler/storage tanks with built-in water heaters the valve should be installed with some space between boiler/storage tank and valve so as not to let the function of the valve be affected by heat radiation.

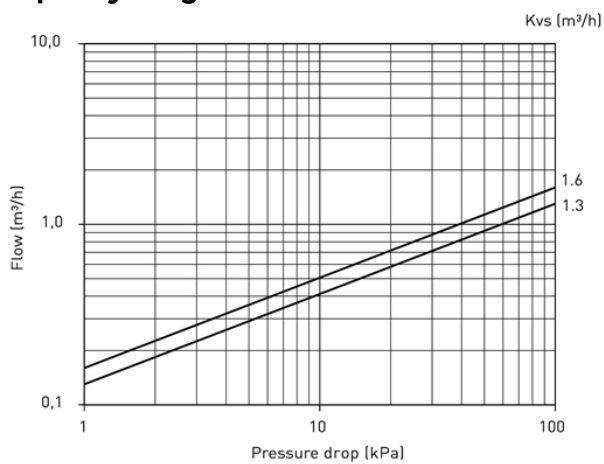


LK Armatur

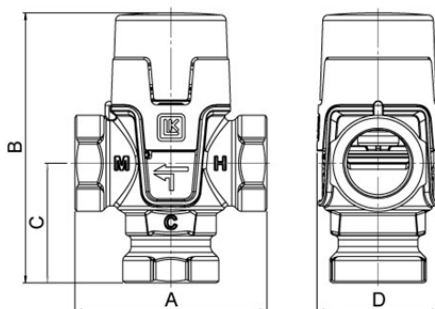
The valve knob is used to set the desired warm water temperature within the specified range. The protective cap prevents unintentional changes of the temperature setting.



### Capacity Diagram

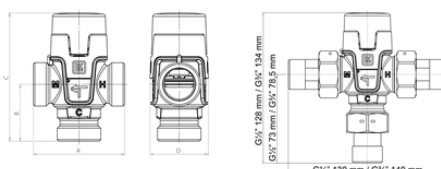


## LK 551 - Female thread



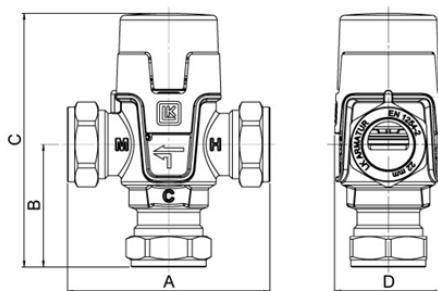
Article no.	Dim.	Kvs m <sup>3</sup> /h	A mm	B mm	C mm	D mm	Note	Weight (kg)
181616	F ½"	1.5	70	99	43.5	45	25 °C - 45 °C	0.5
181617	F ¾"	1.6	70	99	43.5	45	25 °C - 45 °C	0.5
181455	F ½"	1.5	70	99	43.5	45	35 °C - 65 °C	0.5
181486	F ¾"	1.6	70	99	43.5	45	35 °C - 65 °C	0.5

## LK 551 - Male thread



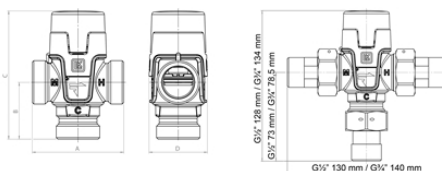
Article no.	Dim.	Kvs m <sup>3</sup> /h	A mm	B mm	C mm	D mm	Note	Weight (kg)
181618	M ½"	1.3	70	42.5	99	45	25 °C - 45 °C	0.4
181619	M ¾"	1.5	70	43.5	99	45	25 °C - 45 °C	0.5
181620	M 1"	1.6	70	43.5	99	45	25 °C - 45 °C	0.5
181452	M ½"	1.3	70	42.5	99	45	35 °C - 65 °C	0.4
181453	M ¾"	1.5	70	43.5	99	45	35 °C - 65 °C	0.5
181454	M 1"	1.6	70	43.5	99	45	35 °C - 65 °C	0.5

## LK 551 - Compression fitting



Article no.	Dim.	Kvs m <sup>3</sup> /h	A mm	B mm	C mm	D mm	Note	Weight (kg)
181621	15 mm	1.3	86.5	51	106	45	25 °C - 45 °C	0.4
181622	22 mm	1.6	85	52	106	45	25 °C - 45 °C	0.4
181523	15 mm	1.3	86.5	51	106	45	35 °C - 55 °C	0.5
181487	22 mm	1.6	85	52	106	45	35 °C - 55 °C	0.6
181456	15 mm	1.3	86.5	51	106	45	35 °C - 65 °C	0.5
181457	22 mm	1.6	85	52	106	45	35 °C - 65 °C	0.6

## LK 551 - Male thread - Diverting valve



Article no.	Dim.	Kvs m <sup>3</sup> /h	A mm	B mm	C mm	D mm	Note	Weight (kg)
182143	M 1"	1.6	70	43.5	99	45	42 °C - 52 °C	0.5

## Spare parts & Accessories

Article no.	Article	Position
095235	Repair kit 551, 25 °C - 45 °C	1
095234	Repair kit 551, 35 °C - 65 °C	1
095236	Repair kit 551, 35°C - 55°C	1
092055	Connection kit M ½" x ¾" with rotating nut, gaskets, 2 check valves	2
092054	Connection kit M ½" x ¾" with rotating nut, gaskets, 1 check valve	2
092052	Connection kit M ¾" x 1" with rotating nut, gaskets, 1 check valve	2
092053	Connection kit M ¾" x 1" with rotating nut, gaskets, 2 check valves	2

