

# LK 822 ThermoBac

## Technical Data

Working temperature:	Min. 5 °C/Max. 110 °C
Ambient temperature:	Min. 5 °C/Max. 60 °C
Max. working pressure:	1.0 MPa (10 bar)
Max. differential pressure:	50 kPa (0,5 bar)
Media 1:	Water - Glycol mixture max. 50%
Thread standard:	Rp - female thread, G - male thread
Material, valve body:	Brass EN 12165 CW617N
Material, external cover:	Brass EN 12165 CW617N
Material, sealing:	EPDM

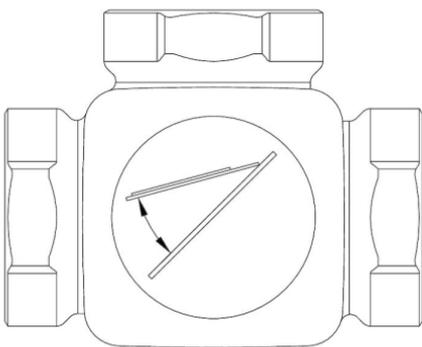


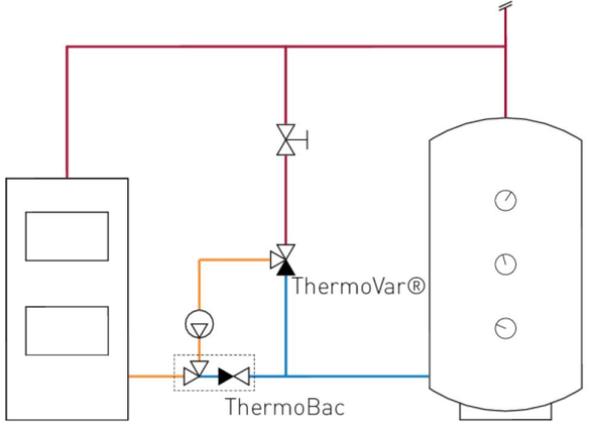
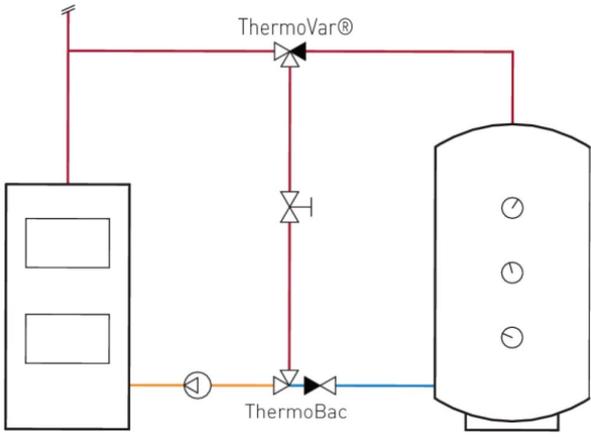
LK 822 ThermoBac is a 3-way check valve with low opening pressure and high fluid capacity. The valve is especially suitable for heating systems with storage tanks. The check valve prevents self-circulation from storage tank to boiler after the fire has gone out. In case of power failure or pump breakdown LK 822 ThermoBac automatically opens for self-circulation.

LK 822 can be equipped with an insulation - see under Accessories. For more information please see the product sheet for insulations.

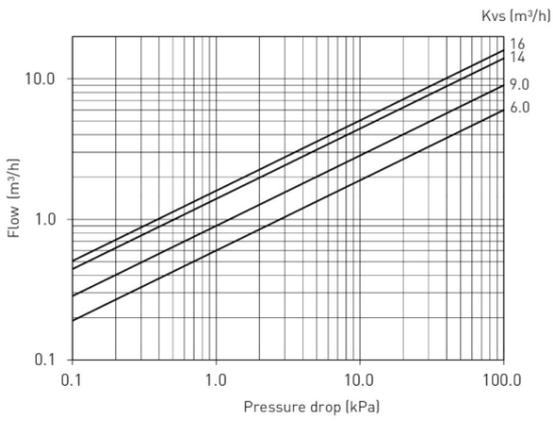
The valve should be mounted so that the flap in the check valve closes by its own weight.

The valve requires no maintenance but the installation should be checked regularly.

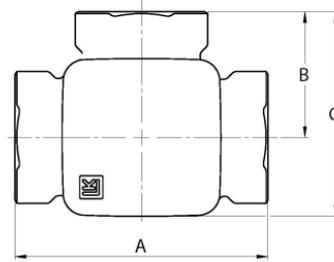
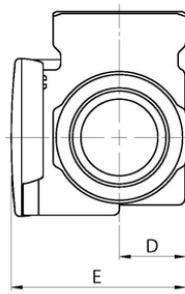




**Capacity Diagram**



## LK 822 - Female thread



Article	Dim.	Kvs m <sup>3</sup> /h	A mm	B mm	C mm	D mm	E mm	Weight (kg)
181109	F 1"	14,0	82	41	67	21	35	0.7
181110	F 1¼"	16,0	84	42	68	24	39	0.7

Other dimensions on request.

### Accessories & Spare parts

Article no.	Article	Position
187072	Repair kit 822, DN 15-32	1
187107	Insulation, DN 15-20	2
187108	Insulation, DN 25-32	2

