



KMP590E KELOX-PROTEC FB
Stainless steel push fit manifold



Product description:

Stainless steel flow and return bars with pluggable heating circuit outlets, with venting and draining at the end of the distributor, connections with screwed-in union nuts 1" flat sealing. RL upper valve parts suitable for KM596 KELOX thermal motor, VL water flow meter adjustable from 0.5-5.0 l/min, including sound-insulated steel consoles

Area of application: tmax. 70°C/6 bars

ATTENTION Delivery WITHOUT KMP552 PROTEC quick connector!

Product features:

Material	Stainless steel	Code	KMP590E
compatible connection material	KMP552; KMP553	Venting/ Draining	Yes
Maximum flow manifold	2400 l/h		

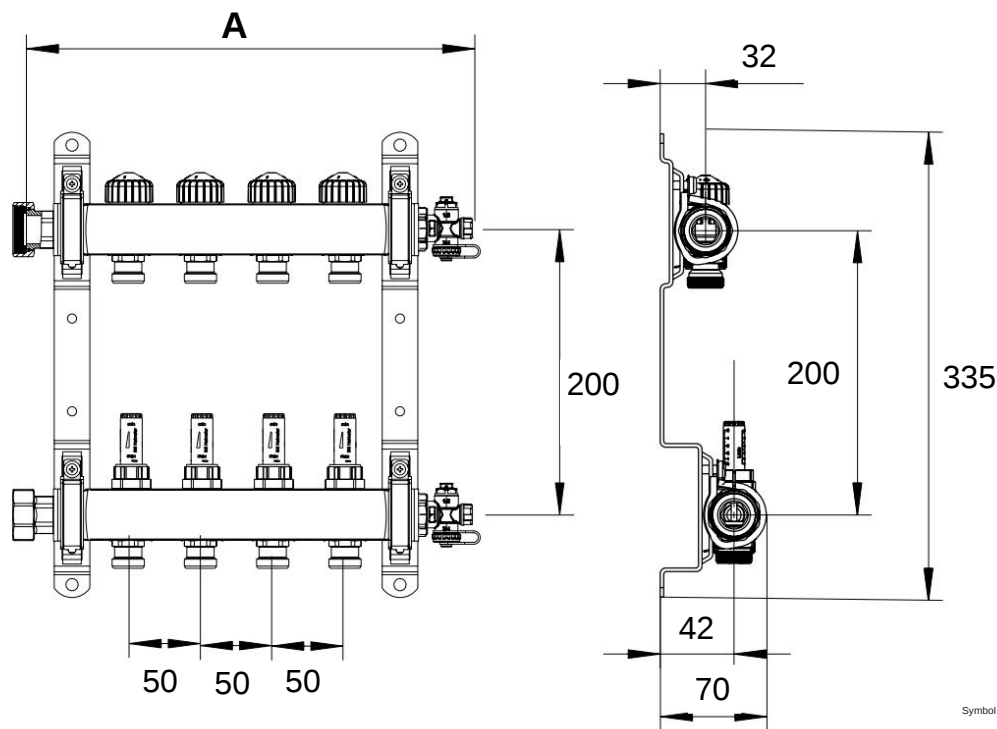
Extended product features:

item number	designation	weight	VPE1	VPE2	MEH
73171020	2 L: 225mm	2,15 KGM	1		KT1
73171030	3 L: 275mm	2,47 KGM	1		KT1
73171040	4 L: 325mm	2,85 KGM	1		KT1
73171050	5 L: 375mm	3,26 KGM	1		KT1
73171060	6 L: 425mm	3,678 KGM	1		KT1
73171070	7 L: 475mm	4,094 KGM	1		KT1
73171080	8 L: 525mm	4,512 KGM	1		KT1
73171090	9 L: 575mm	4,936 KGM	1		KT1
73171100	10 L: 625mm	5,342 KGM	1		KT1
73171110	11 L: 675mm	5,754 KGM	1		KT1
73171120	12 L: 725mm	6,136 KGM	1		KT1
731710VL	VL-Nippel	0,07 KGM	1	10	PCS
731710RL	RL-Nippel	0,06 KGM	1	10	PCS





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Symbol graphics

departures	Long A mm	length A with straight connection KM593A mm	length A with Kugelhahn Set KM593E straight mm	length A with Eckkugelhahn Set KM593E Store (to mid main connection) mm	length A with WMZ-Set horizontal KM591E straight mm	length A with WMZ-Set perpendicular - KM591E Store (to mid main connection) mm
2	225	245	305	335	525	325
3	275	295	355	385	575	375
4	325	345	405	435	625	425
5	375	395	455	485	675	475
6	425	445	505	535	725	525
7	475	495	555	585	775	575
8	525	545	605	635	825	625
9	575	595	655	685	875	675
10	625	645	705	735	925	725
11	675	695	755	785	975	775
12	725	745	805	835	1025	825





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Flow media:

Flow media

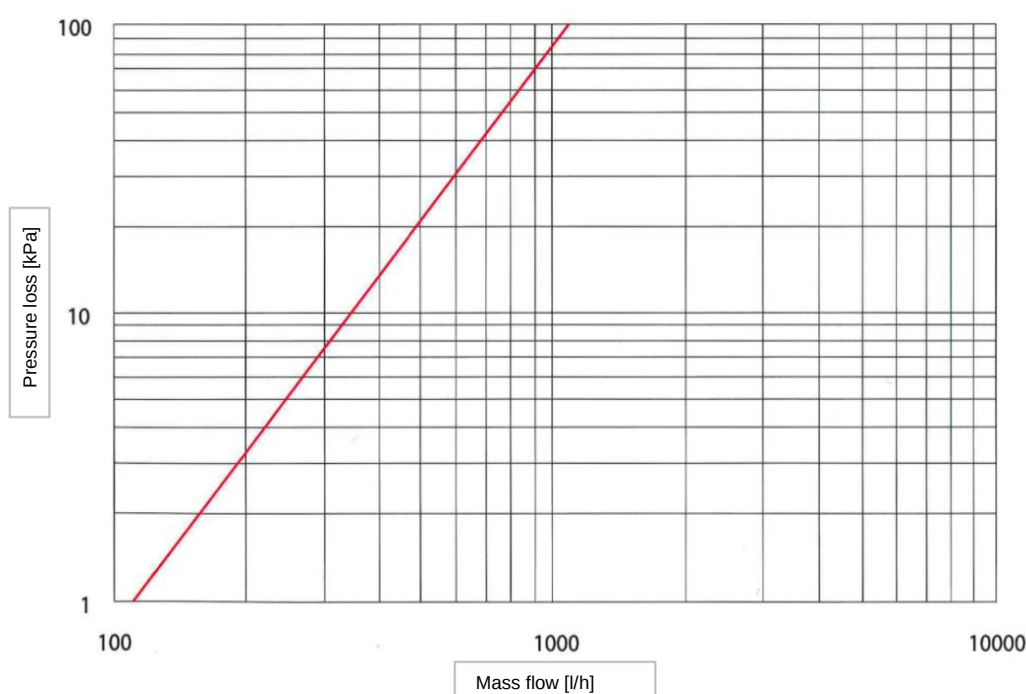
- heating water
- Cooling water
- Water mixtures with common Anti-corrosion and antifreeze additives (maximum permitted glycol content: 30%)

Technical data for

Flow meter - VL:

kv value when the valve is fully open 1.1 m³/h
 Material: stainless steel, brass, heat-resistant plastics EPDM seals Measuring accuracy $\pm 10\%$ of the final value (in the case of antifreeze mixtures, the changed viscosity must be taken into account)

Diagram of the flow meters in the flow manifold





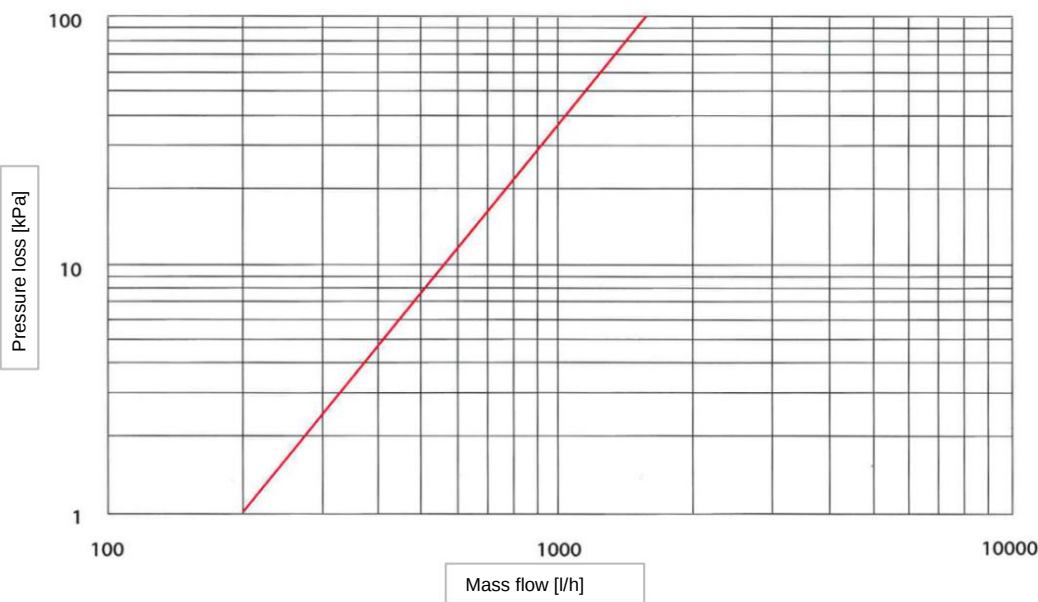
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Shut-off valve specifications - RL

Closing dimension: 11.8 +/- 0.4mm; Stroke height: 2mm

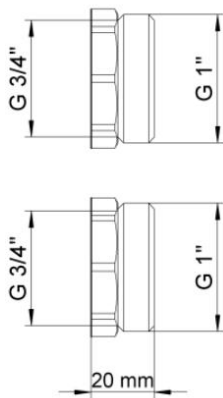
Connection for thermal motor KM596 M30x1.5mm

Diagram of shutoff valve fully open in return manifold

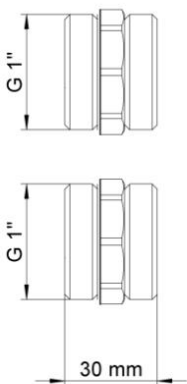


Dimensions of connection sets

KM593A Connection reduction
1"x3/4" straight



KM593A Connection reduction
1" straight



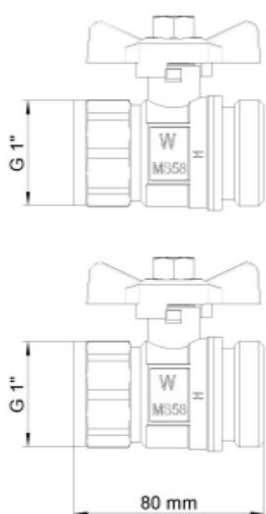


KMP590E KELOX-PROTEC FB Stainless steel plug-in distributor

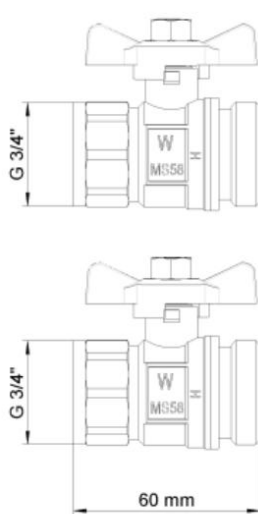
KM593E ball valve connection
just
kvs value 21.5

KM593E ball valve connection
Shop 90°
kvs value 10

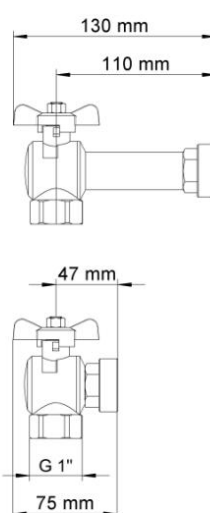
KM593E 1" straight



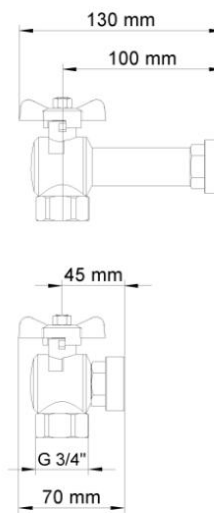
KM593E 3/4" straight



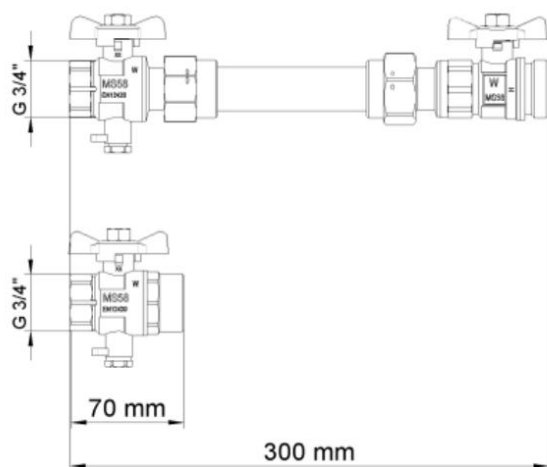
KM593E 1" shop



KM593E 3/4" shop



KM591E WMZ adapter straight 3/4"



KM591E WMZ adapter angle 90° 3/4"

