

## Component coupling check valve KK-M14x1,5



operating pressure max. 315 bar  
volume flow max. 20 l/min

090510\_KK14\_e  
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### Characteristics

- for use in jig manufacturing and others
- blocks oil channel of components when separated
- compact design
- flow direction from either side
- hardened and honed parts
- minimum oil leakage
- maintenance-free

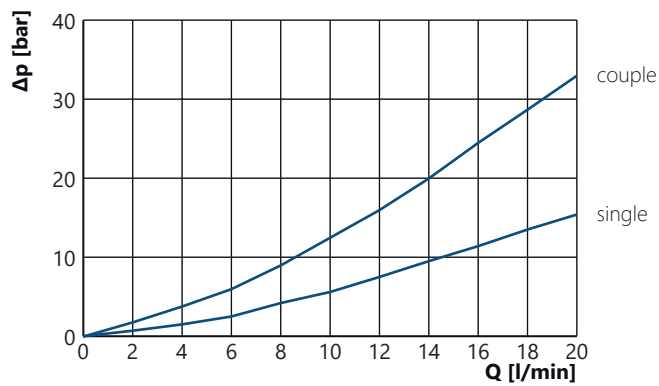
## Technical data

<i>Hydraulic</i>	Operating pressure max.:	315 bar
	Flow rate max.:	20 l/min
	Flow direction:	any
	Hydraulic fluid:	mineral oil according to DIN 51524, others upon request
	Viscosity range:	7,4 - 420 cSt
	Filtration:	oil cleanliness according to ISO 4406 (1999) 18/16/13, filter with $\beta$ 5(c) > 200

<i>Mechanic</i>	Design:	Screw-in coupling
	Size:	M14 x 1,5
	Fluid temperature:	-20 °C to +80 °C
	Ambient temperature:	-20 °C to +80 °C
	Storage temperature:	-20 °C to +60 °C (non-condensing)
	Installation position:	any
	Weight:	0,01 kg
	Material:	steel
	seals: NBR	
Surface protection:	burnished steel	

## Performance

Pressure drop diagram ( $\Delta p/Q$ ) KK-M14x1,5

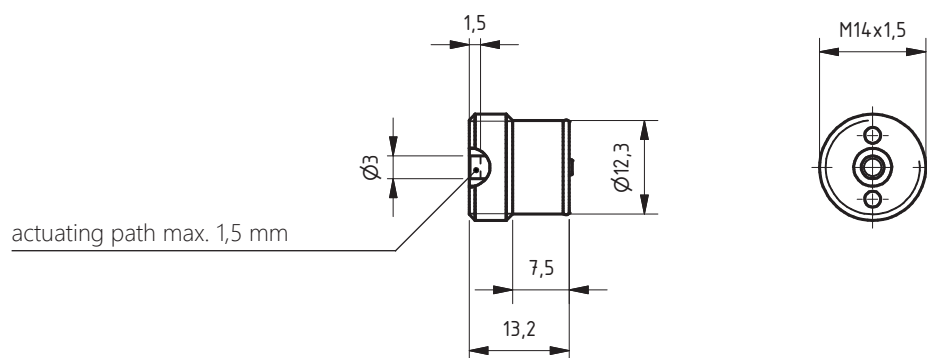


### Test conditions

Oil: HLP 32, temperature: 40 °C (~32 cSt).  
Higher viscosity changes the performance diagrams.

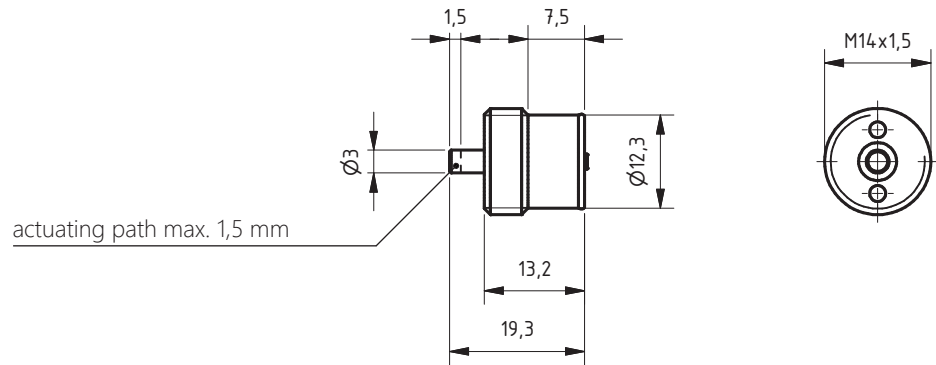
## Dimensions

Component coupling  
KK-M14x1,5  
with short pin

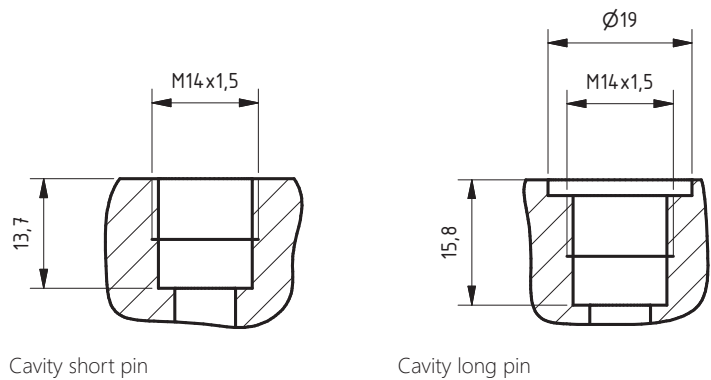


## Dimensions

Component coupling  
KK-M14x1,5  
with long pin

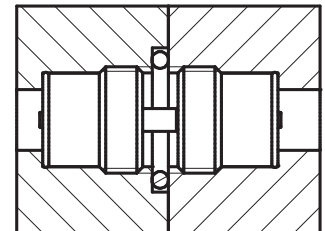


Cavity KK-M14x1,5



**NOTE** For a detailed drawing of the cavity please see our „*general information*“ under the category „*valve cavities 2-way designs*“ or our online catalogue at [www.weber-hydraulik.com](http://www.weber-hydraulik.com).

Mounted couplings  
KK-M14x1,5



HM4/07 22 01

**NOTE** Place corresponding o-ring in the right position of the respective cavity before mounting the couplings (see mounting instructions).

**NOTE** The component couplings must be mounted as pairs (one coupling with long pin combined with one coupling with short pin). Two component couplings of the same kind (long/long or short/short) are not compatible.

- NOTES**
- For external tightness the counterbore must be 2,1 mm (for o-rings with  $\text{Ø } 2,62 \text{ mm}$ ).
  - The pins may not be exposed to radial forces.
  - The actuation path of the pin must not exceed 1,5 mm.
  - Coupling and decoupling only when system is depressurized.
  - When decoupled, the (long) pin of the valve (Material-No. 1090906) exceeds the surface about 3,5 mm.

## Type code

Component coupling	Model	Material number
KK-M14x1,5	long pin	1090906
KK-M14x1,5	short pin	1090912

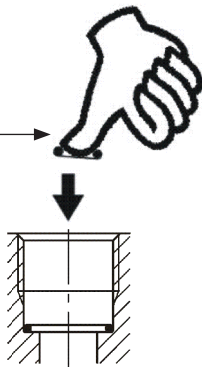
**NOTE** The component coupling check valves are sold in 10 pieces per unit.

## Mounting instruction

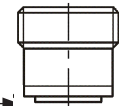
**NOTE** The mounting instruction is also enclosed with the shipping notes of every delivery.

*KK-M14x1,5 with o-ring 11 x 1 for standard cavity according to datasheet*

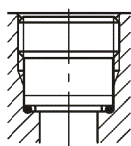
**Step 1:**  
carefully place o-ring 11 x 1 on the bottom of the standard cavity before screwing in the valve



**Step 2:**  
screw valve (without o-ring) in the standard cavity



**3. Result:**  
Mounted component coupling check valve with o-ring 11 x 1

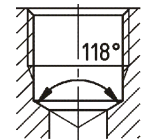


*KK-M14x1,5 with o-ring 9 x 1 for customer specific cavity*

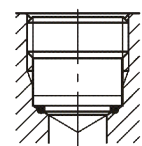
**Step 1:**  
carefully mount o-ring 9 x 1 on valve



**Step 2:**  
screw valve (with mounted o-ring) in the customer specific cavity



**3. Result:**  
Mounted component coupling check valve with o-ring 9 x 1



## Accessories and additional information

*Accessories/  
spare parts*

Article:	Material number:
Screw-in tool AVA1C for KK M14x1,5, including additional bore 3,5 x 8	139.0007
O-ring 9,0 x 1,0	401.0028
O-ring 11,0 x 1,0	401.0101

*Manual*

Information regarding installation, set-up and maintenance can be found in our product catalogue in the chapter „**general information**“ under the category „**general operating manual**“ or will be provided upon request.



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