

Component coupling check valve KK-M14x1.5



Max. operating pressure 315 bar
Max. flow rate up to 20 l/min

090510_KK14
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Characteristics

- Mainly for use in jig manufacturing
- Blocks component oil channels when disconnected
- Compact design
- Flow direction from either side
- Hardened and honed parts
- Low leakage
- Maintenance-free

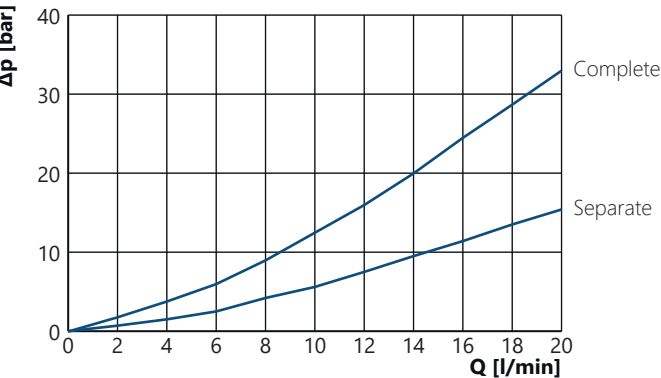
Technical data

Hydraulic characteristics	Max operating pressure:	315 bar
	Max. flow rate:	20 l/min
	Flow direction:	Any
	Operating fluids:	Mineral oils according to DIN 51524, others on request
	Viscosity range:	7.4 - 420 cSt
	Filtration:	Oil purity according to ISO 4406 (1999) 18/16/13, filter with β 5(c) > 200

Mechanical characteristics	Design:	Screw-in coupling
	Size:	M 14 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
	Materials:	Steel O-ring: NBR
	Surface protection:	Burnished steel

Characteristic curves

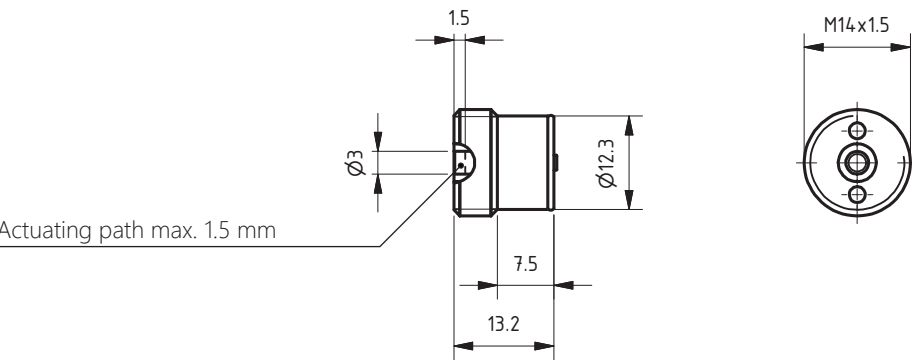
Pressure loss characteristic curve ($\Delta p/Q$) KK-M14x1.5



Measurement conditions	Oil: HLP 32, temperature: 40 °C (~32 cSt). Higher viscosities change the characteristic curves.
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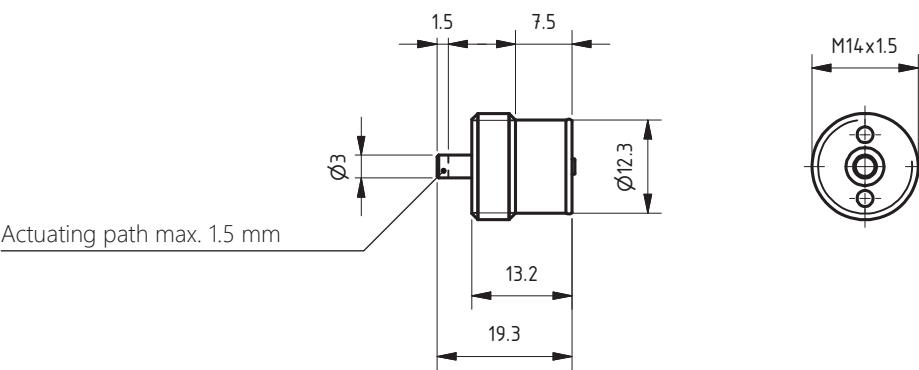
Dimensions

Component coupling
KK-M14x1.5
with short pin

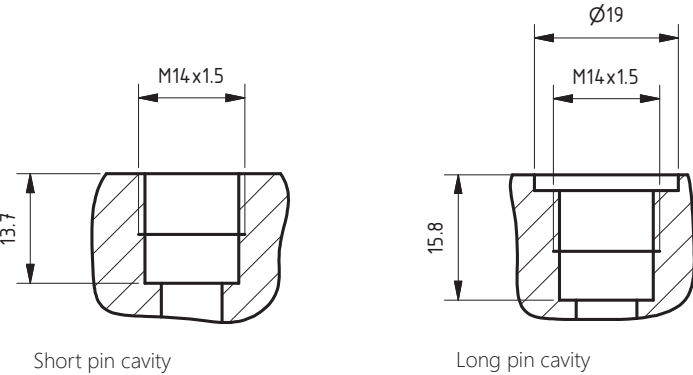


Dimensions

Component coupling
KK-M14x1.5
with long pin



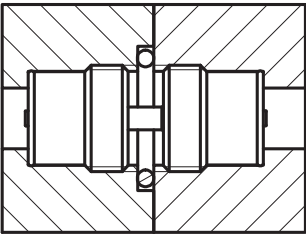
Cavity
KK-M14x1.5



NOTE

A detailed drawing of the cavity is provided in the “General information” section at www.weber-hydraulik.com.

Installation situation
KK-M14x1.5



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NOTE

Place corresponding O-ring in the correct position in the relevant hole before assembly (see the installation instructions).

NOTE

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

NOTES

- For external sealing, a counterbore with a depth of 2.1 mm is required (for O-rings, Ø 2.62 mm).
- The actuation pins may not be exposed to radial forces.
- The actuation path (stroke) of the actuation pins must not exceed 1.5 mm per valve.
- Coupling and decoupling may only be performed when the system is depressurized.
- When decoupled, the (long) pin on the valve (material no. 1090906) protrudes approximately 3.5 mm out of the surface of the assembly.

Type code

Component coupling check valve	Variant	Material number
KK-M14x1.5	Long pin	1090906
KK-M14x1.5	Short pin	1090912

NOTE The component couplings are only sold in units each containing 10 items.

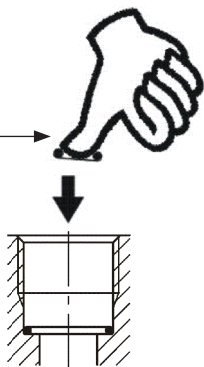
Installation instructions

NOTE The installation instructions are enclosed as an instruction leaflet with every delivery.

*KK-M14x1.5 with O-ring 11 x 1
for standard screw-in cavity according to
the data sheet*

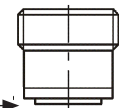
1. Step:

Insert the O-ring 11 x 1 into the cavity before screwing in the valve and place it carefully on the cavity base



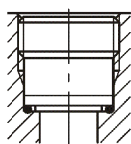
2. Step:

Screw the valve in (without the attached O-ring)



3. Result:

Installation situation with O-ring 11 x 1



*KK-M14x1.5 with O-ring 9 x 1
for customer-specific special screw-in
cavity*

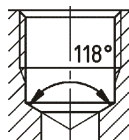
1. Step:

Attach the O-ring 9 x 1 to the valve carefully



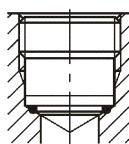
2. Step:

Screw the valve into the customer-specific special screw-in cavity



3. Result:

Installation situation with O-ring 9 x 1



Accessories and further information

Accessories/spare parts

Article:

Material number:

Screw-in tool AVA1C for KK M14x1.5, with additional hole 3.5 x 8	139.0007
O-ring 9.0 x 1.0	401.0028
O-ring 11.0 x 1.0	401.0101

Operating manual

Information regarding assembly, commissioning and maintenance is available in the "General information" section in the "General Operating Manual" category or on request.



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Subject to changes