

ZEROVAC ISO-KF CENTERING RING WITH FINE FILTER

Vacuum Components / ISO-KF Vacuum Sealing Components



DN 10 • DN 16 • DN 25 • DN 40 • DN 50

■ ISO-KF COMPATIBLE

Standard ISO-KF connection sizes from DN 10 to DN 50.

■ 0.004 mm FINE FILTER

AISI 316L / EN 1.4404 stainless steel filter element.

■ FPM VACUUM SEAL

Viton O-ring and $< 1 \times 10^{-9}$ mbar·L/s leak-rate criterion.

ISO-KF Centering Ring with Fine Filter

ZEROVAC ISO-KF centering rings with fine filter combine accurate ISO-KF flange alignment and reliable vacuum sealing with an FPM (Viton) O-ring in a single component. The AISI 316L filter with a 0.004 mm pore size is designed for vacuum lines requiring fine particle control.

Advantages

- Combines centering and fine filtration in one component
- 0.004 mm (4 μ m) pore size
- AISI 303 / EN 1.4305 stainless steel inner ring
- AISI 316L / EN 1.4404 stainless steel filter
- Easy and repeatable ISO-KF clamp assembly

Applications

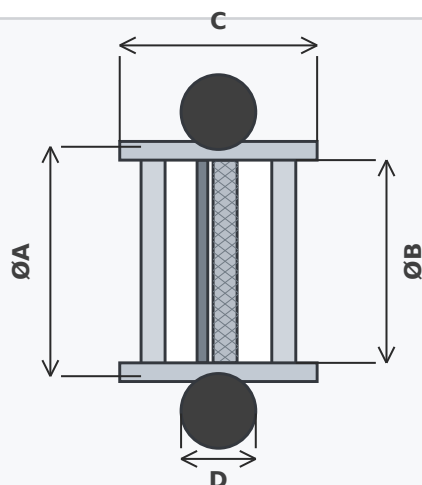
- Vacuum pumps and vacuum systems
- Vacuum chambers and sensitive process equipment
- Laboratory and R&D vacuum lines
- Measurement and analysis systems
- ISO-KF connections requiring fine particle control

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Technical Dimensions and Ordering Information



The cross-section shows the fine filter and retaining ring; dimensions are identified by A, B, C and D.

Product Summary

Nominal sizes **DN 10 / 16 / 25 / 40 / 50**

Inner ring **AISI 303 / EN 1.4305**

Retaining ring **Stainless steel / EN 1.4122**

Filter **AISI 316L / EN 1.4404**

Pore size / seal **0.004 mm / FPM (Viton)**

Dimensions and Ordering Codes

ISO-KF	Dimensions (mm)				Ordering Code
	A	B	C	D	
DN 10	12	9	8	3.9	211096
DN 16	17	13	8	3.9	211097
DN 25	26	22	8	3.9	211098
DN 40	41	35.5	8	3.9	211099
DN 50	52	45.7	8	3.9	211100

Pore size: 0.004 mm (4 µm). All dimensions are in mm.

Installation Note: Install the ring with ISO-KF flanges of the correct DN size and a suitable clamp; protect the fine-filter surface from mechanical damage during assembly.



FOR MORE INFORMATION

Contact our sales team for technical support, product selection and a tailored quotation.

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