

ZEROVAC ISO-KF CENTERING RING WITH 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.

■ 0.02 mm PORE SIZE

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 Filter

ZEROVAC ISO-KF centering rings with filter combine accurate ISO-KF flange alignment and reliable vacuum sealing with an FPM (Viton) O-ring in a single component. The integrated AISI 316L filter element helps limit the passage of particles through the vacuum line.

Advantages

- Combines centering and filtration in one component
- AISI 303 / EN 1.4305 stainless steel support ring
- AISI 316L / EN 1.4404 stainless steel filter
- 0.02 mm pore size
- Easy and repeatable ISO-KF clamp assembly

Applications

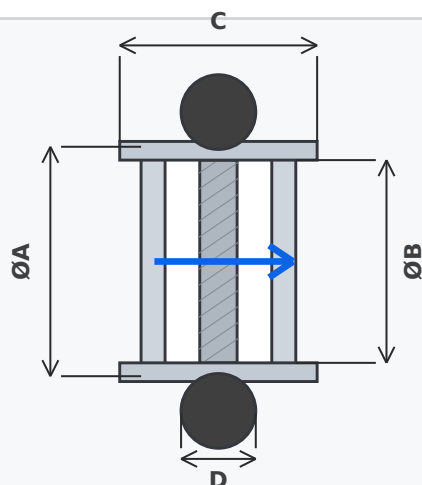
- Vacuum pumps and vacuum systems
- Vacuum chambers and process equipment
- Laboratory and R&D vacuum lines
- Measurement and analysis systems
- ISO-KF connections requiring particle control

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Technical Dimensions and Ordering Information



The arrow shows the recommended gas-flow direction; dimensions are identified by A, B, C and D.

Product Summary

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

Ring material **AISI 303 / EN 1.4305**

Filter material **AISI 316L / EN 1.4404**

Pore size / seal **0.02 mm / FPM (Viton)**

Leak rate **< 1 x 10⁻⁹ mbar·L/s**

Dimensions, Air Flow and Ordering Codes

ISO-KF	Dimensions (mm)				Air Flow* (m ³ /h)	Ordering Code
	A	B	C	D		
DN 10	12	8	8	3.9	0.5	211089
DN 16	17	14	8	3.9	1.2	211090
DN 25	26	23	8	3.9	4.2	211092
DN 40	41	38	8	3.9	11.3	211094
DN 50	52	48	8	3.9	18.1	211095

* Air flow rates are stated at 20 °C and $\Delta p = 200$ mbar. All dimensions are in mm.

Installation Note: Observe the recommended gas-flow direction shown by the arrow on the filter and install the ring with suitable ISO-KF flanges and a clamp.



FOR MORE INFORMATION

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

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