

Rotary/Linear Motion Feedthroughs ISO-KF

INFICON's huge variety of mechanical feedthroughs offers the right device for all demanding applications, no matter if it serves e.g. in coating application chambers or in your applied research project under laboratory conditions.

The available flange designs ISO-KF / ISO-K and CF corresponds to our fitting line. All feedthroughs are suited to work in vacuum systems with leak rates up to 1×10^{-9} mbar/s. For UHV an all metal designed feedthrough is also available.



BENEFITS

- Two FPM shaft seals
- Direct push/pull and rotary actuation
- With locking ring and optional anti-rotation device
- 2011/65/EU RoHS compliant

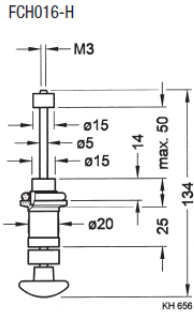
ORDER INFORMATION

Type	FCH016-H	FCH025-H	FCH040-H
FCH016-H Rotary/linear motion feedthrough	214-320		
FCH025-H Rotary/linear motion feedthrough		214-322	
FCH040-H Rotary/linear motion feedthrough			214-324
Sliding feedthrough DN 16	214-072		
Sliding feedthrough DN 25		214-073	
Sliding feedthrough DN 40			214-074

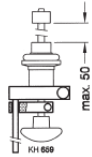
SPECIFICATIONS

Type		FCH016-H	FCH025-H	FCH040-H
Vacuum connection		DN 16 ISO-KF	DN 25 ISO-KF	DN 40 ISO-KF
Feedthrough/seal		FPM	FPM	FPM
Shaft connection		M 3 / Ø5mm	M 4 / Ø8mm	M 6 / Ø12mm
Travel	mm	50	100	150
Shaft load				
Radial force at max.travel	N	10	15	30
Shaft load				
Torsion torque	N•m	2	8	20
Tightness, static	mbar•L/s	1×10^{-9}	1×10^{-9}	1×10^{-9}
Pressure (absolute)		1×10^{-8} mbar ... 1bar	1×10^{-8} mbar ... 1bar	1×10^{-8} mbar ... 1bar
Operating temperature	°C	50	50	50
Bakeout temperature	°C	110	110	110
Materials exposed to process media		stainless steel 304/1.4301, aluminum 6082	stainless steel 304/1.4301, aluminum 6082	stainless steel 304/1.4301, aluminum 6082
Weight	kg	0.1	0.2	0.3

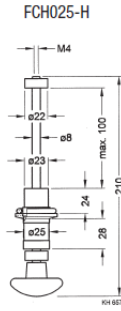
DIMENSIONS



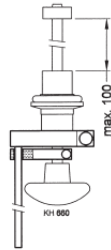
Feedthrough



Anti-rotation device



Feedthrough



Anti-rotation device



Feedthrough



Anti-rotation device



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