

Linear Motion Feedthroughs CF

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} mbarl/s. For UHV an all metal designed feedthrough is also available.



BENEFITS

- With bellows for more demanding vacuum requirements
- Direct push and pull actuation
- High accuracy adjustment using micrometer screw
- 2011/65/EU RoHS compliant

ORDER INFORMATION

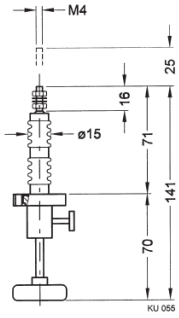
Type	FPU016-H	FPU040-H	FPU016-Z	FPU040-Z
FPU016-H Linear feedthrough DN 16 CF-R	214-330			
FPU016-Z Linear feedthrough DN 16 CF-R			214-334	
FPU040-H Linear feedthrough DN 40 CF-R		214-332		
FPU040-Z Linear feedthrough DN 40 CF-R				214-336

SPECIFICATIONS

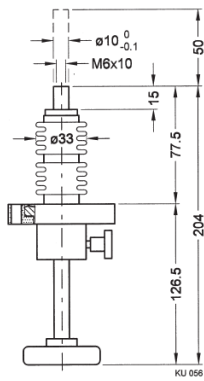
Type		FPU016-H	FPU040-H	FPU016-Z	FPU040-Z
Vacuum connection		DN 16 CF-R	DN 40 CF-R	DN 16 CF-R	DN 40 CF-R
Feedthrough/seal		bellow	bellow	bellow	bellow
Shaft connection		M4x16mm	M6x10mm, Ø10mm	M4x16mm	M6x10mm, Ø10mm
Actuator		manual	manual	micrometer screw	micrometer screw
Travel	mm	25	50	20	50
Travel per revolution	mm	-	-	0.5	1
Scale division	mm	5	10	0.01	0.005
Shaft load					
Radial force at max.	N	20	100	20	100
Axial force vacuum	N	85	140	185	440
Axial force against atm	N	100	200	200	500
Shaft load					
Torsion torque	N•m	0.2	0.5	0.2	0.5
Tightness	mbar•L/s	5×10^{-11}	5×10^{-11}	5×10^{-11}	5×10^{-11}
Pressure (absolute)		1×10^{-10} mbar ... 2 bar	1×10^{-10} mbar ... 2 bar	1×10^{-10} mbar ... 2 bar	1×10^{-10} mbar ... 2 bar
Bakeout temperature					
Feedthrough	°C	300	300	300	300
Micrometer screw	°C	-	-	100	100
Materials exposed to process media		stainless steel 304L/1.4306, stainless steel 316Ti/1.4571	stainless steel 304L/1.4306, stainless steel 316Ti/1.4571	stainless steel 304L/1.4306, stainless steel 316Ti/1.4571	stainless steel 304L/1.4306, stainless steel 316Ti/1.4571
Weight	kg	0.15	0.75	0.25	1

DIMENSIONS

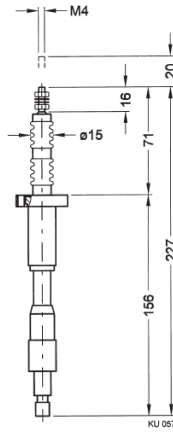
FPU016-H



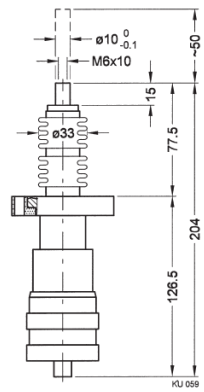
FPU040-H



FPU016-Z



FPU040-Z



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