

Rotary 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

- Bellow sealed
- All-metal version
- For very demanding vacuum requirements
- 2011/65/EU RoHS compliant

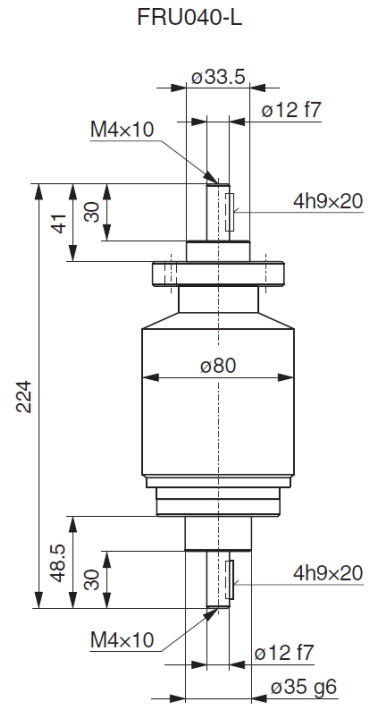
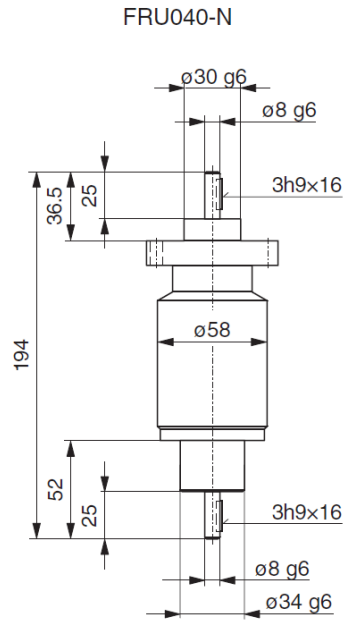
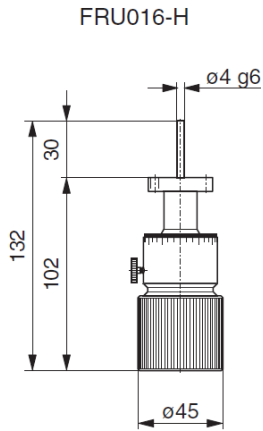
ORDER INFORMATION

Type	FRU016-H	FRU040-N	FRU040-L
FRU016-H Rotary feedthrough DN 16 CF-F	214-310		
FRU040-L Rotary feedthrough DN 40 CF-F			214-314
FRU040-N Rotary feedthrough DN 40 CF-F		214-312	

SPECIFICATIONS

Type		FRU016-H	FRU040-N	FRU040-L
Vacuum connection		DN 16 CF-F	DN 40 CF-F	DN 40 CF-F
Feedthrough/seal		bellow	bellow	bellow
Shaft connection	mm	4	8	12
Transferable torque				
Dynamic	N•m	0.4	4	10
Dynamic, at 300 °C	N•m	0.2	2	2
Static	N•m	0.2	3	5
Rotational speed	RPM	200	1000	500
At max. torque	RPM	-	500	300
Shaft load vacuum sided				
Radial force	N	10	60	100
Axial force	N	5	20	30
Service life	Revolutions	1 000 000	2 000 000	1 000 000
Scale division	degree	10	-	-
Tightness	mbar•L/s	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
Operating temperature	°C	300	300	300
Bakeout temperature	°C	300	300	300
Materials exposed to process media		304L/1.4306, 304/1.4301, -/2.4360	304L/1.4306, 304/1.4301, -/2.4360	304L/1.4306, 304/1.4301, 303/1.4305
Weight	kg	0.3	1.5	3

DIMENSIONS



[mm]



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