

## Electrical Feedthroughs DN40 CF-F

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INFICON offers economical priced ISO-KF flange feedthroughs which can be found in all standard vacuum applications all over the world for many years. In addition to this feedthroughs a choice of connectors for vacuum and atmosphere side of vacuum chamber is configured.

For UHV applications CF flanged feedthroughs are available in different sizes and technical specifications.



### **BENEFITS**

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- 2011/65/EU RoHS compliant

### **ORDER INFORMATION**

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Type	DN 40 CF-F - 1 Feedthrough	DN 40 CF-F - 1 Feedthrough (high current)	DN 40 CF-F - 2 Feedthroughs	DN 40 CF-F - 4 Feedthroughs	DN 40 CF-F - 9 Feedthroughs
Connection piece, vacuum side	214-195		214-195		
Connector, air side	214-176		214-176		
Connector, atmospheric side		214-177			
Inside connection piece		214-196			
Inside connection piece 1p, 10 pcs.					214-198
Inside connection piece 1p, 5 pcs.				214-192	
Measurement feedthrough 4p, DN 40 CF				214-116	
Measurement feedthrough 9p, DN 40 CF					214-117
Outer connector, water cooled		214-178			
Outside connector 1p, 10 pcs.					214-181
Outside connector 1p, 5 pieces				214-173	
UKD 035, DN 40 CF-F		214-127			
UKD 136, DN 40 CF-F	214-136				
UKD 236, DN 40 CF-F			214-128		

## SPECIFICATIONS

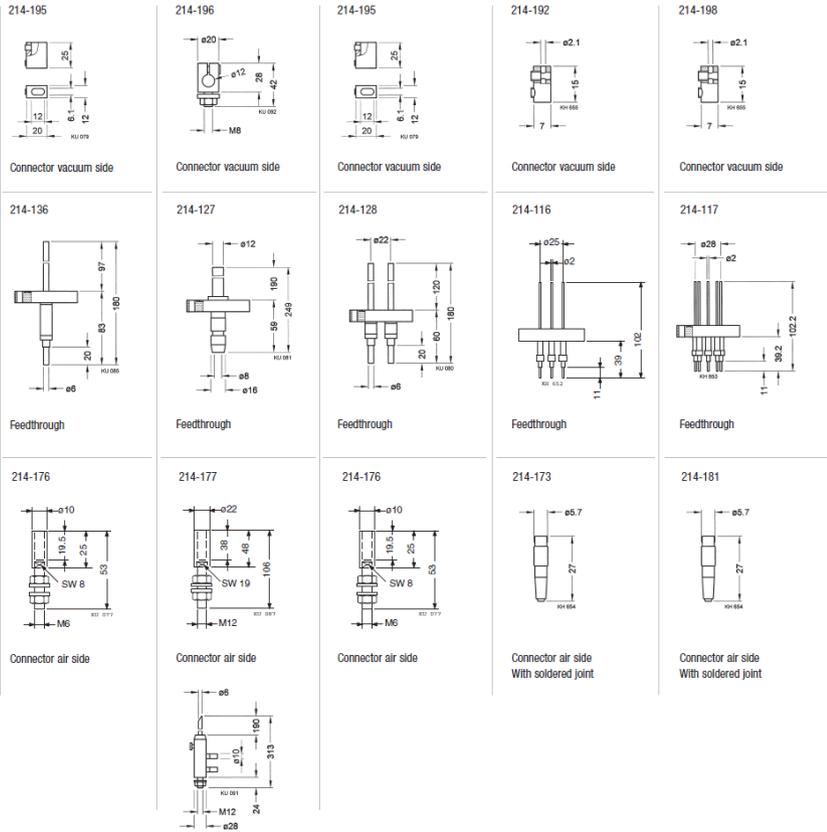
Type	DN 40 CF-F - 1 Feedthrough	DN 40 CF-F - 1 Feedthrough (high current)	DN 40 CF-F - 2 Feedthroughs	DN 40 CF-F - 4 Feedthroughs	DN 40 CF-F - 9 Feedthroughs
Vacuum connection	DN 40 CF-F	DN 40 CF-F	DN 40 CF-F	DN 40 CF-F	DN 40 CF-F
Number of feedthroughs	1	1	2	4	9
Voltage per pole	kV	0.3	1	4	1
Current per pole	A	70	200/1000 <sup>1)</sup>	150	8
Bakeout temperature	°C	400	400	400	400
Tightness	mbar•L/s	5 x 10 <sup>-11</sup>	5 x 10 <sup>-11</sup>	5 x 10 <sup>-11</sup>	5 x 10 <sup>-11</sup>
Pressure (absolute)	1 x 10 <sup>-10</sup> mbar ... 2 bar	1 x 10 <sup>-10</sup> mbar ... 2 bar	1 x 10 <sup>-10</sup> mbar ... 2 bar	1 x 10 <sup>-10</sup> mbar ... 2 bar	1 x 10 <sup>-10</sup> mbar ... 2 bar
Flange	stainless steel 304L / 1.4306	stainless steel 304L / 1.4306	stainless steel 304L / 1.4306	stainless steel 304L / 1.4306	stainless steel 304L / 1.4306
Conductor	OFC 2.0040	OFC 2.0040	OFC 2.0040	304/1.4301	304/1.4301
Insulator	Al <sub>2</sub> O <sub>3</sub>	Al <sub>2</sub> O <sub>3</sub>	Al <sub>2</sub> O <sub>3</sub>	Al <sub>2</sub> O <sub>3</sub>	Al <sub>2</sub> O <sub>3</sub>
Weight	kg	0.15	0.5	0.45	0.3
Connection					
vacuum side: Pieces	2	1	2	5	10
vacuum side: Material	304/1.4301	2.0061	304/1.4301	304/1.4301	304/1.4301

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Type		DN 40 CF-F - 1 Feedthrough	DN 40 CF-F - 1 Feedthrough (high current)	DN 40 CF-F - 2 Feedthroughs	DN 40 CF-F - 4 Feedthroughs	DN 40 CF-F - 9 Feedthroughs
Connection						
vacuum side: Current	A	20	1000 <sup>1)</sup>	100	12	12
Connection						
vacuum side: Bakeout temperature	°C	400	400	400	400	400
Connector						
atmospheric side: Pieces		2	1	2	5	10
atmospheric side: Contact		silver-plated brass	silver-plated brass	silver-plated brass	gold-plated brass	gold-plated brass
Connector						
atmospheric side: Current max.	A	100	250	100	25	25
Connector						
atmospheric side: Insulated, for use up to	V (ac)	not insulated	30	30	30	30
Connector						
atmospheric side: Insulated, for use up to	V (dc)	not insulated	60	60	60	60
Connector						
atmospheric side: Bakeout temperature	°C	150	150	50	50	50

(1) With water cooling

# DIMENSIONS



With water-proof <sup>1)</sup>		
Current max.	A	1000
Not insulated, for use up to		24
Bakeout temperature	°C	120
Contact		silver-plated brass



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