



MAIN FEATURES

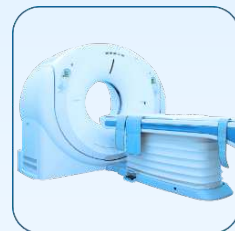
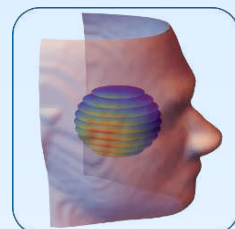
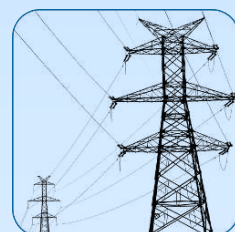
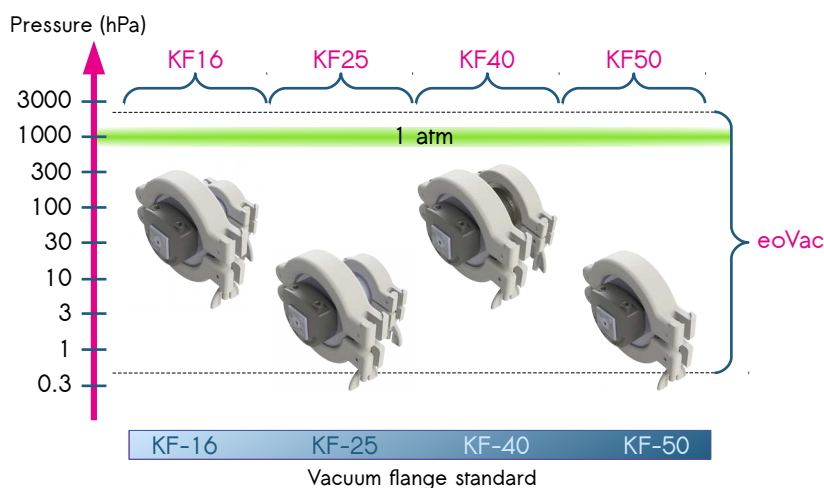
- Removable vacuum feed-through
- No additional insertion loss
- Easy to operate
- Made of stainless steel 304, black polypropylene and elastomer
- Low cost in comparison with conventional optical feed-through
- Intended for use with **air** and **bio** lines E-field probes eoProbe™

TYPICAL APPLICATIONS

- | | |
|---|---|
| <ul style="list-style-type: none"> • Plasma characterization • Field mapping of high voltage devices • EMC malfunction diagnosis • EMP measurement • Electron beam welding | <ul style="list-style-type: none"> Health Science Defence Aerospace Telecommunications |
|---|---|

PRODUCTS LINE

4 models



Your key partner for electromagnetism
in harsh environment

PERFORMANCE SPECIFICATIONS

	Min	Typical	Max	Unit	
Withstand vacuum ¹		0.5	1	hPa	
Elastomer seal durability	20			mating	
Additional insertion loss	for E-field probe		< 0.1	0.2	dB

¹ Steady state pressure through continuous pumping

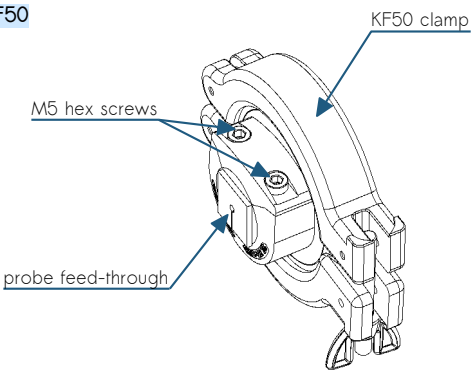
MECHANICAL SPECIFICATIONS

		Min	Typical	Max	Unit
Dimensions	feed-through KF-50 flange diameter		75		mm
	overall width		114		
	overall height		92		
	KF50 depth		40		
	KF40 KF25 KF16 depth		81		
Overall weight	KF50	380	400	420	g
	KF40	690	710	730	
	KF25	670	690	710	
	KF16	660	680	700	
Ingress Protection rating ²		IP68			

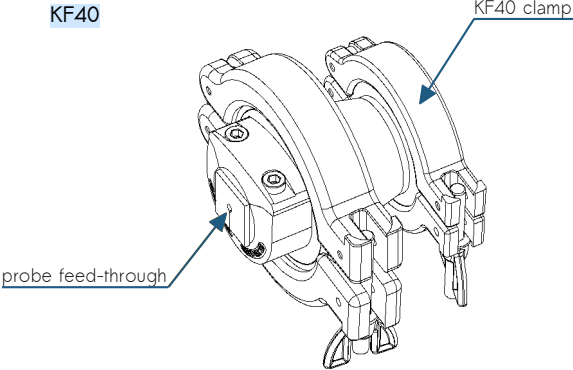
² Max. 4h in a row in pure water and 1h in salty water

VACUUM FEED-THROUGH - Drawings at scale

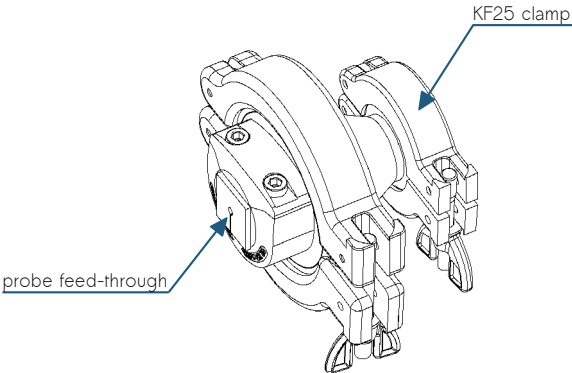
KF50



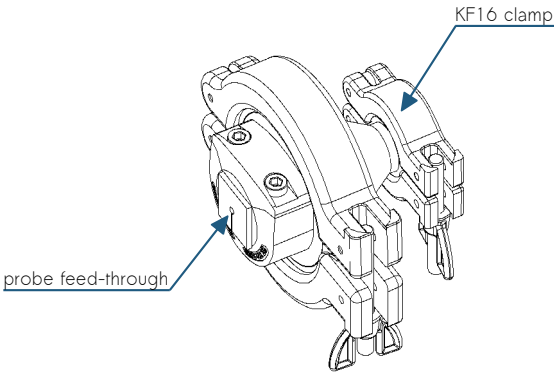
KF40



KF25



KF16



As part on its on-going product improvement, Kapteos reserves the right to modify the specifications of the product described in this document without notice.

ENVIRONMENTAL SPECIFICATIONS

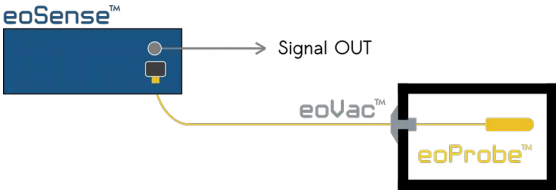
		Min	Typical	Max	Unit
Temperature	operating ³	10		50	°C
	storage	10		40	
Pressure	operating ³	1		2 000	hPa
	storage	690		1 075	
Relative humidity	non-condensing			90	%
Storage	only in its original case in a clean, dry environment				
Feed-through cleaning	use cloth lightly moistened with isopropyl alcohol				

³ /Max. 8h per day in case operating conditions are harsher than storage conditions

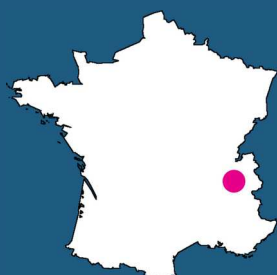
PACKAGING INFORMATION

	Line	Contents
eoVac™ KF-50 flange	All	Delivered with a routine test report
Transport case (up to 3 probes)	All	Cardboard with protective foam (W x D x H = 185 x 165 x 105 mm - Weight: 170 g)
Other parts	All	3 elastomer seals, 1 KF50 O ring, 1 KF50 clamp, 1 3-mm hex key
	KF16	1 KF16 O ring, 1 KF16 clamp, 1 conical KF50 to KF16 vacuum fitting
	KF25	1 KF25 O ring, 1 KF25 clamp, 1 conical KF50 to KF25 vacuum fitting
	KF40	1 KF40 O ring, 1 KF40 clamp, 1 conical KF50 to KF40 vacuum fitting
User guide	cf. eoSystem User Guide PDF file GU-eoSystem	

COMPATIBLE DEVICES & ACCESSORIES

	Device-related data sheet	Use	Outline schematic
E-field probe eoProbe™	FT20-eoProbe-05.pdf	Required setup to use air bio probe line for measurements down to 1 hPa	

Distributed by: Reliant EMC LLC, Tel. +408-320-9644/+408-916-5750, www.reliantemc.com



Follow us on

