



KINTEK SOLUTION

Vacuum Accessories Catalog

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KINTEK SOLUTION

COMPANY PROFILE

>>> About Us

KinTek Group Limited is one technology orientated organization, team members are devoted to probing the most efficient and reliable technology and innovations in the scientific researching equipment, fields like biochemical reacting, new materials researching, heat treatment, vaccum creating, refrigerating, as while as pharmaceutical and petroleum extracting equipment.



Cf Ultra-High Vacuum Observation Window Stainless Steel Flange Sapphire Glass Sight Glass

Item Number: KT-VA01



Introduction

Discover CF ultra-high vacuum observation windows with sapphire glass and stainless steel flanges. Ideal for semiconductor manufacturing, vacuum coating, and more. Clear observation, precise control.

[Learn More](#)

Model	ΦH	ΦC	ΦD	n-ΦP	B
CF 16	34	27	14	6-Φ4.3	18
CF 25	54	43	23	6-Φ6.6	14
CF 35	70	58.7	38	6-Φ6.6	16
CF 50	86	72.4	50	8-Φ8.4	17
CF 63	114	92.2	62	8-Φ8.4	20
CF 100	152	130.3	95	16-Φ8.4	20
CF 150	202	181.1	146	20-Φ8.4	22
CF 200	253	231.9	146	24-Φ8.4	24.5

Cf Ultra-High Vacuum Observation Window Window Flange High Borosilicate Glass Sight Glass

Item Number: KT-VA02



Introduction

Discover CF ultra-high vacuum observation window flanges with high borosilicate glass, perfect for semiconductor manufacturing, vacuum coating, and optical instruments. Clear observation, durable design, easy installation.

[Learn More](#)

Model	ΦH	ΦC	ΦD	n-ΦP	B
CF 16	34	27	14	6-Φ4.3	18
CF 25	54	43	23	6-Φ6.6	14
CF 35	70	58.7	38	6-Φ6.6	16
CF 50	86	72.4	50	8-Φ8.4	17
CF 63	114	92.2	62	8-Φ8.4	20
CF 100	152	130.3	95	16-Φ8.4	20
CF 150	202	181.1	146	20-Φ8.4	22
CF 200	253	231.9	146	24-Φ8.4	24.5

Kf Ultra-High Vacuum Observation Window Stainless Steel Flange Sapphire Glass Sight Glass

Item Number: KT-VA03



Introduction

Discover the KF Ultra-High Vacuum Observation Window, featuring sapphire glass and stainless steel flange for clear, reliable observation in ultra-high vacuum environments. Ideal for semiconductor, vacuum coating, and scientific research applications

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Model	Outer diameter	Inner diameter (view diameter)	Maximum temperature	Thickness	Material
KF 25	40mm	23mm	350°C	15.5mm	304 stainless steel + sapphire glass
KF 40	55mm	23mm		15.5mm	
KF 50	75mm	34mm		16mm	

Kf Ultra-High Vacuum Observation Window 304 Stainless Steel Flange High Borosilicate Glass Sight Glass

Item Number: KT-VA04



Introduction

Discover KF Ultra-High Vacuum Observation Window: 304 Stainless Steel Flange & High Borosilicate Glass Sight Glass, Ideal for precise observation in ultra-high vacuum environments.

[Learn More](#)

Model	Outer diameter	Inner diameter (view diameter)	Maximum temperature	Thickness	Material
KF 25	40mm	23mm	350°C	15.5mm	304 stainless steel + Borosilicate
KF 40	55mm	20mm		15.5mm	
KF 50	75mm	34mm		16mm	

304 316 Stainless Steel Vacuum Bellows For Efficient Connection And Stable Vacuum In High-Performance Systems

Item Number: KT-VA05



Introduction

Discover high-quality vacuum bellows for stable vacuum in high-performance systems. Made from 304 and 316 stainless steel, these bellows ensure efficient connections and excellent sealing. Ideal for

[Learn More](#)

Parameter	Specification
Thickness	KF16/KF25 0.2 and KF40/KF50 0.25
Waveform	Change waveform
Wavelength	5/6.5/8/9
Material	304 Stainless Steel
Tube outer diameter	26/34/53/64
Chuck tube diameter	30/40/55/75mm
Ultimate vacuum	0.00000001pa
Permeability	Below 5×10^{-10} pa.m ³ /s
Flexibility	Soft, can be rolled, folded, and stretched appropriately
Scope of use	Imported pumps, combination pumps, molecular pumps, diffusion pumps, bipolar rotary vane pumps, cold pumps, vacuum pumps

The technical content of the bellows is very high, and helium testing is required to prove the quality, welding process, stainless steel material, thickness, softness, waveform, permeability, absolute vacuum value, metal fatigue, etc. Different grades of bellows should be selected according to the purpose.

Chuck outer diameter	Specification
30mm	KF16
40mm	KF25
55mm	KF40
75mm	KF50

The sizes of international standard parts are consistent, and the length can be customized according to customer requirements

Diameter	Wall thickness	Minimum bending section
KF16	0.15	±14%
KF25	0.15	±16%
KF40	0.15	±22%
KF50	0.15	±23%

Parameter	Specification	
Chuck outer diameter	Specification	
Diameter	Wall thickness	Minimum bending section
Diameter	Wall thickness	Minimum bending section
ISO63	0.2	±26%
ISO80	0.2	±26%
ISO100	0.2	±27.5%

Diameter	Wall thickness	Minimum bending section
KF16	0.15	30
KF25	0.2	70
KF40	0.2	90
KF50	0.25	140
ISO63	0.25	150
ISO80	0.25	220
ISO100	0.25	280

Stainless Steel Quick Release Vacuum Chain Three-Section Clamp

Item Number: KT-VA06



Introduction

Discover our stainless steel quick release clamp vacuum clamp, Ideal for high vacuum applications, Strong connections, reliable sealing, Easy installation, and durable design.

[Learn More](#)

KF16	KF25	KF40	KF50
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Please consult for more specifications

KF80	KF100	KF160	KF200
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Please consult for more specifications

KF63	KF80	KF100	KF160	KF200	KF250
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Please consult for more specifications

Kf/Iso/Cf Ultra-High Vacuum Stainless Steel Flange Pipe/Straight Pipe/Tee/Cross

Item Number: KT-VA07



Introduction

Discover KF/ISO/CF ultra-high vacuum stainless steel flange pipe systems, engineered for advanced applications. Ideal for laboratory, industrial, semiconductor, aerospace, and research needs.

[Learn More](#)

Cf Kf Flange Vacuum Electrode Feedthrough Lead Sealing Assembly For Vacuum Systems

Item Number: KT-VA08



Introduction

Discover high-vacuum CF/KF flange electrode feedthroughs, ideal for vacuum systems. Superior sealing, excellent conductivity, and customizable options.

[Learn More](#)

Parameter Description	Options / Specifications
Flange specifications	CF16, CF25, CF40, CF63, CF100, KF16, KF25, KF40, KF50, KF63 (customizable)
Lead length	100mm, 200mm, 300mm, 500mm, 1000mm (customizable)
Maximum operating temperature	400°C (customizable)
Maximum operating pressure	10^{-8} Pa
Sealing material	Ceramic, metal

Ultra-Vacuum Electrode Feedthrough Connector Flange Power Electrode Lead For High-Precision Applications

Item Number: KT-VA09



Introduction

Discover the Ultra-Vacuum Electrode Feedthrough Connector Flange, perfect for high-precision applications. Ensure reliable connections in ultra-vacuum environments with advanced sealing and conductive technology.

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Parameter Description	Options
Flange specifications	CF16, CF25, CF40, CF63, CF100, KF16, KF25, KF40, KF50, KF63 (customizable)
Lead length	100mm, 200mm, 300mm, 500mm, 1000mm (customizable)
Maximum operating temperature	400°C (customizable)
Maximum operating pressure	10 ⁻¹⁰ Pa
Sealing material	Ceramic, metal

Ultra-High Vacuum Flange Aviation Plug Glass Sintered Airtight Circular Connector For Kf Iso Cf

Item Number: KT-VA10



Introduction

Discover the Ultra-High Vacuum CF Knife-Edge Flange Aviation Plug, engineered for superior airtightness and durability in aerospace and semiconductor applications.

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Parameter Item	Detailed Description
Connector Type	Flange aviation plug glass sintered gas-sealed circular US military standard connector
Interface Standards	KF, ISO, CF
Material	Stainless steel, high-purity glass
Working Pressure Range	10 ⁻⁹ mbar ~ atmospheric pressure
Working Temperature Range	-200°C ~ +200°C
Maximum Load Current	10A
Maximum Load Voltage	500V
Protection Level	IP65
Flange Size (diameter)	25mm, 40mm, 63mm, 100mm, 160mm, 200mm, 250mm
Flange Size (thickness)	5mm, 10mm, 15mm, 20mm, 25mm, 30mm
Thread Specifications	M5, M6, M8, M10, M12
Connector Weight	0.5kg, 1kg, 1.5kg, 2kg, 2.5kg, 3kg
Installation Method	Threaded connection, flange connection
Sealing Method	Glass sintering, O-ring seal
Color	Black, Silver

304 316 Stainless Steel Vacuum Ball Valve Stop Valve For High Vacuum Systems

Item Number: KT-VA11



Introduction

Discover 304/316 stainless steel vacuum ball valves, Ideal for high vacuum systems, Ensure precise control and durability. Explore now!

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Parameter	Specification
Product Type	Vacuum Ball Valve/Vacuum Stop Valve
Material	304/316 Stainless Steel
Working Pressure	10^{-8} mbar - 1000 mbar
Working Temperature	-196°C - 200°C
Leakage Rate	$\leq 10^{-9}$ mbar-l/s
Operation Mode	Manual/Pneumatic/Electric
Connection Mode	Flange/Thread/Welding
Size	DN10 - DN100
Application	Semiconductor, Photovoltaic, Scientific Research

Kf Iso Stainless Steel Vacuum Flange Blind Plate For High Vacuum Systems

Item Number: KT-VA12



Introduction

Discover KF/ISO stainless steel vacuum flange blind plates, ideal for high vacuum systems in semiconductor, photovoltaic, and research labs. High-quality materials, efficient sealing, and easy installation.

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Specifications	A	B	C	D
ISO63	95mm	12mm	70mm	90mm
ISO80	110mm	12mm	83mm	105mm
ISO100	130mm	12mm	102mm	125mm
ISO125	155mm	12mm	127mm	150mm
ISO160	180mm	12mm	153mm	175mm
ISO200	240mm	12mm	213mm	235mm
ISO250	290mm	12mm	261mm	285mm
ISO320	370mm	17mm	318mm	365mm
ISO400	450mm	17mm	400mm	445mm
ISO500	550mm	17mm	501mm	545mm
ISO630	690mm	22mm	651mm	685mm

Specifications	A	B
KF10	12.2mm	30mm
KF16	17.2mm	30mm
KF25	26.2mm	40mm
KF40	41.2mm	55mm
KF50	52.2mm	75mm
KF63	70mm	87mm
KF80	83mm	114mm
KF100	102mm	134mm
KF160	153mm	190mm

Specifications	A	B	C*no	P.C.D
CF16	34mm	7.5mm	4.4*6	26.9mm

CF25	54mm	10.5mm	6.6*6	43mm
CF35	70mm	12.7mm	6.7*6	58.7mm
CF50	86mm	16mm	8.4*8	72.4mm
CF63	114mm	18mm	8.4*8	92.1mm
CF80	130mm	18mm	8.4*16	110mm
CF100	152mm	20mm	8.4*16	130.3mm
CF150	202mm	22mm	8.4*20	181mm
CF200	253mm	24.5mm	8.4*24	231.8mm
CF250	305mm	26mm	8.4*32	284mm
CF300	368mm	28.5mm	10.8*36	338.1mm
CF350	419.1mm	28.5mm	10.8*36	388.9mm



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