



KINTEK FURNACE

Vacuum Accessories Catalog

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KINTEK FURNACE

COMPANY PROFILE

>>> About Us

Kintek Furnace is a technology-driven innovator specializing in precision high-temperature laboratory equipment, including muffle furnaces, tube furnaces, vacuum furnaces, atmosphere-controlled systems, and advanced CVD/PECVD solutions. Designed for materials science, chemical research, and thermal processing applications, our robust, energy-efficient systems prioritize precision, safety, and repeatability in extreme heat environments, empowering researchers and industrial labs to achieve groundbreaking results.



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

Item Number: KT-VA01



Introduction

CF sapphire viewing window for ultra-high vacuum systems. Durable, clear, and precise for semiconductor and aerospace applications. Explore specs now!

[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

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

Item Number: KT-VA02



Introduction

CF Ultra-High Vacuum Observation Window Flange with high borosilicate glass for precise UHV applications. Durable, clear, and customizable.

[Learn More](#)

Model	ΦH	ΦC	ΦD (Clear View Diameter)	n-ΦP	B (Glass Thickness)
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

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

Item Number: KT-VA03



Introduction

KF flange observation window with sapphire glass for ultra-high vacuum. Durable 304 stainless steel, 350°C max temperature. Ideal for semiconductor and aerospace.

[Learn More](#)

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	

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

Item Number: KT-VA04



Introduction

KF Ultra-High Vacuum Observation Window with borosilicate glass for clear viewing in demanding vacuum environments. Durable 304 stainless steel flange ensures reliable sealing.

[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	

High Performance Vacuum Bellows For Efficient Connection And Stable Vacuum In Systems

Item Number: KT-VA05



Introduction

KF ultra-high vacuum observation window with high borosilicate glass for clear viewing in demanding 10^{-9} Torr environments. Durable 304 stainless steel flange.

[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	

Stainless Steel Quick Release Vacuum Chain Three Section Clamp

Item Number: KT-VA06



Introduction

Stainless steel quick release vacuum clamps ensure leak-free connections for high vacuum systems. Durable, corrosion-resistant, and easy to install.

[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

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

Item Number: KT-VA07



Introduction

KF/ISO/CF ultra-high vacuum stainless steel flange pipe systems for precision applications. Customizable, durable, and leak-tight. Get expert solutions now!

[Learn More](#)

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

Item Number: KT-VA08



Introduction

Reliable CF/KF flange vacuum electrode feedthrough for high-performance vacuum systems. Ensures superior sealing, conductivity & durability. Customizable options available.

[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 Lead For High Precision Applications

Item Number: KT-VA09



Introduction

Ultra-Vacuum Electrode Feedthroughs for reliable UHV connections. High-sealing, customizable flange options, ideal for semiconductor & space applications.

[Learn More](#)

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

Ultra-High Vacuum Flange Aviation Plug Connector for aerospace & labs. KF/ISO/CF compatible, 10^{-9} mbar airtight, MIL-STD certified. Durable & customizable.

[Learn More](#)

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 (per pin, consult derating for multi-pin configurations)
Maximum Load Voltage	500V
Protection Level	IP65 (mated condition, specific to external environment exposure)
Flange Size (diameter)	25mm, 40mm, 63mm, 100mm, 160mm, 200mm, 250mm (typical KF/ISO/CF sizes, specific availability may vary)
Flange Size (thickness)	Standard dimensions corresponding to KF, ISO, CF specifications
Thread Specifications	M5, M6, M8, M10, M12 (potentially for mounting or auxiliary features, not primary seal)
Connector Weight	0.5kg, 1kg, 1.5kg, 2kg, 2.5kg, 3kg (varies significantly with size and configuration)
Installation Method	Flange connection (bolted or clamped depending on KF/ISO/CF type)
Sealing Method	Glass sintering (hermetic seal for pins), O-ring or metal gasket (for flange interface depending on KF/ISO/CF type)
Color	Silver (metallic finish of stainless steel)

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

Item Number: KT-VA11



Introduction

KINTEK's 304/316 stainless steel vacuum ball valves and stop valves ensure high-performance sealing for industrial and scientific applications. Explore durable, corrosion-resistant solutions.

[Learn More](#)

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

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

Item Number: KT-VA12



Introduction

Premium KF/ISO stainless steel vacuum blind plates for high-vacuum systems. Durable 304/316 SS, Viton/EPDM seals. KF & ISO connections. Get expert advice now!

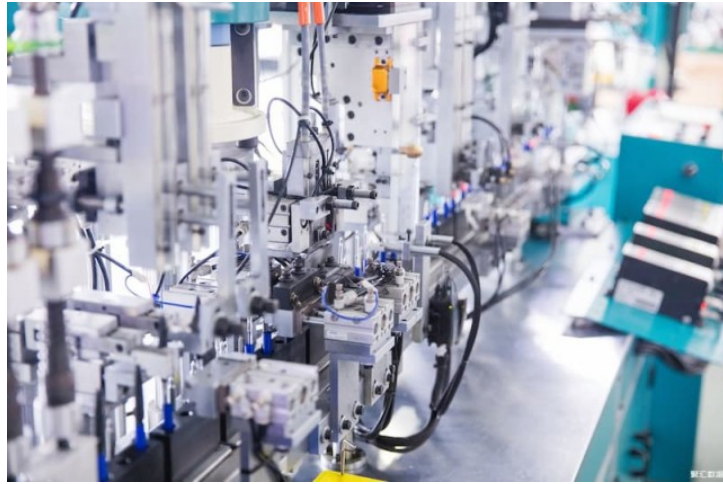
[Learn More](#)

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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