

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.

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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 (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)