

Flexible Thermal Connection Set for Positioners

Flexible thermal connection set are used to keep sample cold when piezoelectric positions moving in vacuum environment . Higher thermal conductivity is always welcomed in low temperature experiments, which means a better base temperature. And a flexible structure guarantees the device won't consumes excessive load capacity.

1. All the adapter plates are fabricated by pure non-magnetic metal.
2. Non-magnetic screws are included when you purchase the flexible thermal connection set.

	FTC16.***	FTC25.***	FTC35.***	FTC55.***
Description	Designed for 16mm Linear and Scanner series stack	Designed for 25mm Linear and Scanner Series Stack	Designed for 35mm Linear, Goniometer and Scanner Series Stack	Designed for 55mm Linear and Scanner Series Stack
Size & Dimensions				
Footprint base plate	16 × 16 mm	25 × 25mm	35 × 35mm	55 × 55mm
Footprint top plate	16 × 16 mm	25 × 25mm	35 × 35mm	55 × 55mm
thickness, base plate	2.5 mm			
Thickness, top plate	4 mm			
Length copper coupling foil	35 mm; 65 mm; 100 mm version			
Materials & Mounting				
Body materials	Copper			
Base plate	Four through holes ø2.0			
Top plate	Four through holes ø2.0			
Working Conditions				
Temperature range	10 mK to 420 K			
Pressure conditions	Ambient, HV, UHV			
Use in magnetic field	max. 18 Tesla			
Cernox Sensor & Heater				
Temperature Range	1.6 K to 420 K			
Wires	Thermometers, 4 Pins; Heater, 2pins; Pure copper wires,36 awg			
Heater Resistance	25 Ohm			
Heater Power	Max. 50W			
Thermal Conductivity @300 K	FTC**.035mm, 40 mW/K FTC**.065mm, 29 mW/K FTC**.100mm, 16 mW/K			