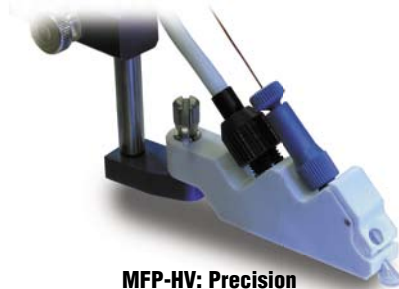




MFP and EBP Series Technical and Ordering Information

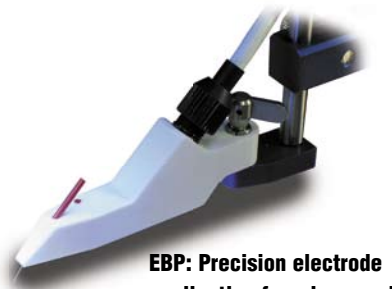
See It. Touch It. Measure It.®

Microport™ Interface for Microfluidics and Nanofluidics

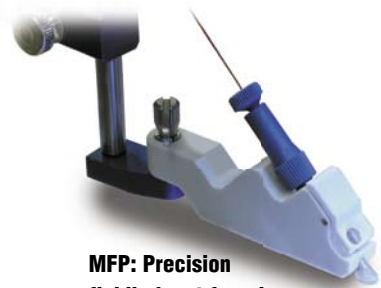


MFP-HV: Precision electrofluidic input for combining electric field application and fluid dispensing

Cascade Microtech's Microport interfaces for microfluidics devices provide break-through flexibility for electroosmotic flow and electrophoresis experimentation.



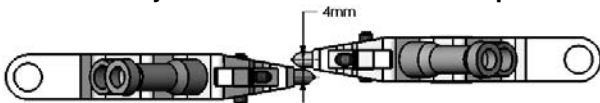
EBP: Precision electrode application for micro- and nanofluidic devices



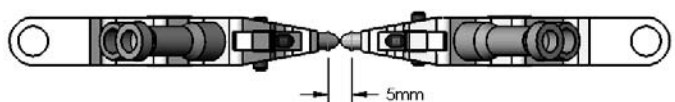
MFP: Precision fluidic input for micro- and nanofluidic devices

Microport Interface Specifications		MFP	MFP-HV	EBP
Fluidic:				
Input fluid interface	1-32 x 6-32 compression nut fitting (360 µm adapter sleeve included)	•	•	
Output fluid interface	.025" ID silicone seal for flat smooth surface	•	•	
Wetted materials	PEEK™, Platinum, Silicone	•	•	Platinum only
Capillary ID	.005" (127 µm)	•	•	
Capillary volume	0.54 µL	•	•	
Total dead volume	1.8 µL	•	•	
Maximum pressure glass	200 PSI (13.6 atmospheres)	•	•	
Maximum pressure PDMS	80 PSI (5.4 atmospheres)	•	•	
Inner diameter	127 µm ID	•	•	
Outer diameter	3 mm OD	•	•	
Electrical:				
Voltage rating	10 KV		•	•
High voltage interface	LGH 1/2 LI receptacle (10 KV)		•	•
Electrode material	Platinum		•	•
Electrode area	.0006 sq in (.4 mm ²)		•	

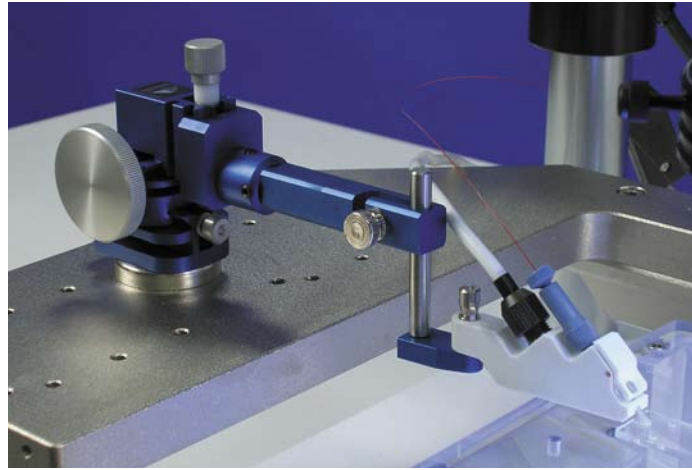
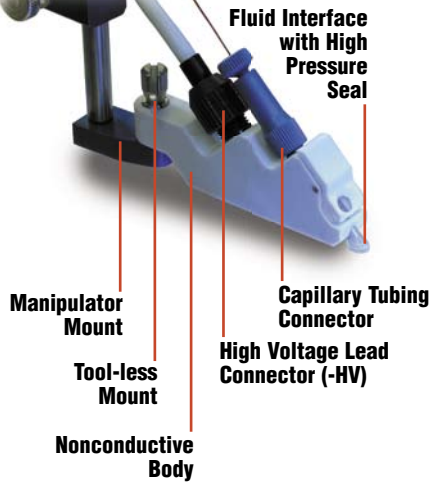
Minimum side-by-side centre-to-centre distance for ports



Minimum head-to-head centre-to-centre distance for ports

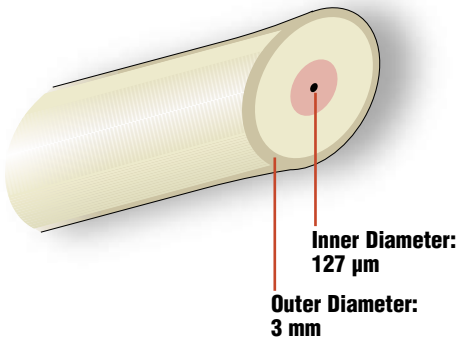


MFP Series



Compatible with the EBP and MFP Series interfaces, the MPM micro-positioner is designed to provide stable yet flexible positioning of the fluidic or electrical input to your microfluidic device.

MFP Fluid Interface Tip



Ordering Information

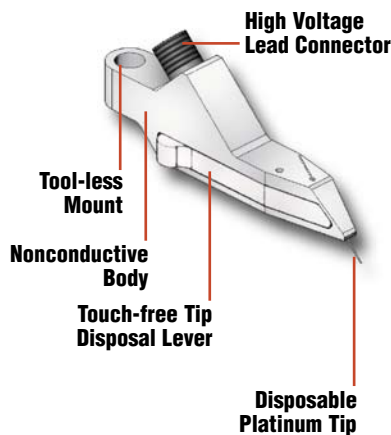
The information below includes the part number, description and product information as they appear on customer quotations and orders.

MFP-4 MFP
Fluidic dispensing Microport interface for microfluidics

MFP-HV-4 MFP-HV
Electrofluidic dispensing Microport interface for microfluidics

EBP-4 EBP
Bio-compatible Microport interface for microfluidics devices provides high voltage electrode application

EBP



Compatible capillary tubing

Upchurch Adapter Sleeve Model Number	Capillary Tube ID
F-180x	125 µm
F-181x	180 µm
F-182x	230 µm
F-183x	280 µm
F-184x	330 µm
F-185x	395 µm
F-186x	455 µm
F-187x	535 µm



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MFPEBP-TO-1205
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