

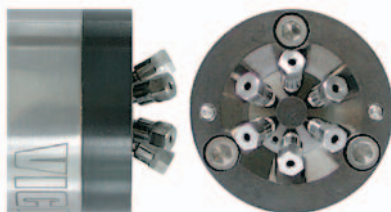
Model C72M 360 µm Fitting UHPLC Injector

- Rated to 10,000, 15,000, or 20,000 psi
- Works with all VICI actuation options
- 4, 6, 8, and 10 port models

Many of the latest analytical techniques require systems capable of pressures up to 10,000, 15,000, or even 20,000 psi. The new C72M series injectors from Cheminert feature a proprietary rotor material and stator coating that permit these pressures.

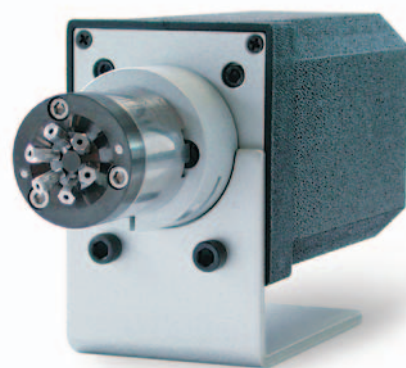
360 µm Fittings

These unique fittings permit direct connection of 360 micron OD fused silica, PEEK, stainless, or electroformed nickel tubing without the use of liners. Consisting of a nut with snap-in ferrule, this unique one-piece fitting combines the best features of two- and one-piece fitting designs—the ferrule can rotate freely to avoid twisting the tubing as the fitting is tightened, but it can't get lost.



Side and front views, actual size

Because of the compact size and fine 2-56 threads, a leak-free connection that seals at pressures of up to 20,000 psi can be easily formed with the manual tool accessory. (The actual pressure limit depends on the combination of tubing and fitting material; with PEEK tubing, for example, the pressure limit is the burst strength of the tubing.)



Actuation

C72M injectors use the same mounting system as the widely used Cheminert C2 series HPLC injectors. Our microelectric actuator determines accurate positioning without limit switches or customer adjustment. Computer control is facilitated via RS-232 or RS-485 interface, but it can also be controlled manually. The actuator is CE-certified, and includes an autosensing 110/230 VAC to 24 VDC universal power supply.

Specifications

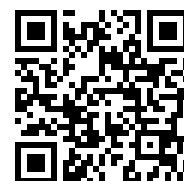
Max. operating pressure	10,000, 15,000, or 20,000 psi
Configurations available	4, 6, 8, and 10 port
Bore size	100 or 150 micron
Stator material	Stainless steel with inert coating
Rotor material	Special high-strength PAEK (Valcon E3)
Microelectric actuator automation options	RS-232, RS-485 (optional), contact closure, TTL logic level signals

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Rev 9/14

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10,000 psi

	4 Port	6 Port	8 Port	10 port
<i>100 micron bore</i>				
Manual	C72MH-4674	C72MH-4676	C72MH-4678	C72MH-4670
Actuated	C72MH-4674EH	C72MH-4676EH	C72MH-4678ED	C72MH-4670ED
<i>150 micron bore</i>				
Manual	C72MH-6674	C72MH-6676	C72MH-6678	C72MH-6670
Actuated	C72MH-6674EH	C72MH-6676EH	C72MH-6678ED	C72MH-6670ED

15,000 psi

	4 Port	6 Port	8 Port	10 port
<i>100 micron bore</i>				
Manual	C72MX-4674	C72MX-4676	C72MX-4678	C72MX-4670
Actuated	C72MX-4674EH	C72MX-4676EH	C72MX-4678ED	C72MX-4670ED
<i>150 micron bore</i>				
Manual	C72MX-6674	C72MX-6676	C72MX-6678	C72MX-6670
Actuated	C72MX-6674EH	C72MX-6676EH	C72MX-6678ED	C72MX-6670ED

20,000 psi

	4 Port	6 Port
<i>100 micron bore</i>		
Manual	C72MU-4674	C72MU-4676
Actuated	C72MU-4674EH	C72MU-4676EH
<i>150 micron bore</i>		
Manual	C72MU-6674	C72MU-6676
Actuated	C72MU-6674EH	C72MU-6676EH