



Cheminert[®] Valves

Model C52 Integrated Motor/Valve

For OEM applications only

0.25 mm (0.010") or
0.40 mm ports (.016")
4, 6, 8, or 10 ports
1/16" Valco fittings
40°C max, 5000 psi liq
N60 stainless stator, Valcon H rotor
or PAEK stator, Valcon E rotor



Cheminert's new C52 series injector is our first integrated motor/valve assembly designed specifically to be built into an OEM system. Using the well-proven Cheminert HPLC injector design and the 24 volt motor from our popular microelectric actuators, the C52 needs only to be connected to the instrument's power supply.

Control is simplified to require a single contact closure; the injector's position is determined by whether the closure is held high or low. There's even an easy way for the instrument to confirm the valve's position by sensing the output from a built-in sensor.

In the default control mode, a contact closure moves the injector from load to inject, where it remains until the contact is broken and the injector reverts to the load position. A simple jumper change shifts the mode to dual contact closure, in which one contact closure shifts the injector to inject and a second is required to shift it back to load. Jumper settings can also be modified to change the motor's degree of rotation so it can be used with any of the valve models available.

All these features are built into a compact and lightweight package, available in 4, 6, 8, and 10 port configurations, with Nitronic 60 stainless steel or PAEK stator.

Product numbers

Select stator material and number of ports to jump to product numbers:

N60

PAEK

4 ports	8 ports	4 ports	8 ports
6 ports	10 ports	6 ports	10 ports

Further reference

[Properties of stator metals](#)

[Properties of stator metals and polymers](#)

[Properties of rotor materials](#)

[Printable data sheet](#)

[Sample loops for C52 valves](#)

[TechNote 819: Model C52 Injectors: Installation, Use, and Maintenance](#)

[Integrated motor/stream selector](#)

4 port Nitronic 60 integrated motor/valve - Model C52

N60 stator - Valcon H rotor - 1/16" Valco fittings

Includes stainless steel nuts and ferrules.



Description		Product No.	OEMs call for pricing
0.40 mm ports (.016")	With motor, sensor, and controller	C52-2004I	
	With motor and sensor only	C52-2004I-S	
0.25 mm ports (.010")	With motor, sensor, and controller	C52-1004I	
	With motor and sensor only	C52-1004I-S	

.006" and .030" bore available upon request

TOP ▲

6 port Nitronic 60 integrated motor/valve - Model C52

N60 stator - Valcon H rotor - 1/16" Valco fittings

Includes stainless steel nuts and ferrules.



Description		Product No.	OEMs call
0.40 mm ports (.016")	With motor, sensor, and controller	C52-2006I	
	With motor and sensor only	C52-2006I-S	

0.25 mm ports (.010")	With motor, sensor, and controller	C52-1006I	for pricing
	With motor and sensor only	C52-1006I-S	

.006" and .030" bore available upon request

TOP ▲

8 port Nitronic 60 integrated motor/valve - Model C52
N60 stator - Valcon H rotor - 1/16" Valco fittings



Includes stainless steel nuts and ferrules.

Description		Product No.	OEMs call for pricing
0.40 mm ports (.016")	With motor, sensor, and controller	C52-2008I	
	With motor and sensor only	C52-2008I-S	
0.25 mm ports (.010")	With motor, sensor, and controller	C52-1008I	
	With motor and sensor only	C52-1008I-S	

.006" and .030" bore available upon request

TOP ▲

10 port Nitronic 60 integrated motor/valve - Model C52
N60 stator - Valcon H rotor - 1/16" Valco fittings



Includes stainless steel nuts and ferrules.

Description		Product No.	OEMs call for pricing
0.40 mm ports (.016")	With motor, sensor, and controller	C52-2000I	
	With motor and sensor only	C52-2000I-S	
0.25 mm ports (.010")	With motor, sensor, and controller	C52-1000I	
	With motor and sensor only	C52-1000I-S	

.006" and .030" bore available upon request

TOP ▲



4 port PAEK integrated motor/valve - Model C52

PAEK stator - Valcon E rotor - 1/16" Valco fittings



Includes PEEK nuts and ferrules.

Description		Product No.	OEMs call for pricing
0.40 mm ports (.016")	With motor, sensor, and controller	C52-2344I	
	With motor and sensor only	C52-2344I-S	
0.25 mm ports (.010")	With motor, sensor, and controller	C52-1344I	
	With motor and sensor only	C52-1344I-S	

.006" and .030" bore available upon request

TOP ▲

6 port PAEK integrated motor/valve - Model C52

PAEK stator - Valcon E rotor - 1/16" Valco fittings



Includes PEEK nuts and ferrules.

Description		Product No.	OEMs call for pricing
0.40 mm ports (.016")	With motor, sensor, and controller	C52-2346I	
	With motor and sensor only	C52-2346I-S	
0.25 mm ports (.010")	With motor, sensor, and controller	C52-1346I	
	With motor and sensor only	C52-1346I-S	

.006" and .030" bore available upon request

TOP ▲

8 port PAEK integrated motor/valve - Model C52

PAEK stator - Valcon E rotor - 1/16" Valco fittings



Includes PEEK nuts and ferrules.

Description		Product No.	
0.40 mm ports (.016")	With motor, sensor, and controller	C52-2348I	

	With motor and sensor only	C52-2348I-S	OEMs call for pricing
0.25 mm ports (.010")	With motor, sensor, and controller	C52-1348I	
	With motor and sensor only	C52-1348I-S	

.006" and .030" bore available upon request

TOP ▲

10 port PAEK integrated motor/valve - Model C52

PAEK stator - Valcon E rotor - 1/16" Valco fittings

Includes stainless steel nuts and ferrules.



Description		Product No.	OEMs call for pricing
0.40 mm ports (.016")	With motor, sensor, and controller	C52-2340I	
	With motor and sensor only	C52-2340I-S	
0.25 mm ports (.010")	With motor, sensor, and controller	C52-1340I	
	With motor and sensor only	C52-1340I-S	

.006" and .030" bore available upon request

TOP ▲

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