

HPLC • Nanovolume® injectors with 1/32" fittings



CHEMINERT VALVES

Nanovolume® valves

5,000 psi

1/32" FITTINGS, 100 MICRON PORTS (.004")

5,000 psi

Nanobore

1/32"

100 µm

Model C2N includes nuts and ferrules.

Valves with stainless stators have stainless fittings.

Valves with PEEK stators have PEEK fittings.

Universal actuator: 24 VDC, with autosensing 24 VDC power supply.

Includes RS232/485 serial interface. See page 174 for other interface options.

SPECIFICATIONS

5,000 psi liq
50°C max

Stator: Metal
Rotor: Valcon H

5,000 psi liq
50°C max

Stator: PEEK
Rotor: Valcon E



6 Port

Prod No



10 Port

Prod No

N60 stainless stator		
Manual	C2N-4006	C2N-4000
With universal actuator	C2N-4006EUHA	C2N-4000EUHA
Replacement valve	C2N-4006D	C2N-4000D
Replacement rotor	C2N-40R6	C2N-40R0
Replacement stator	C2N-4C06	C2N-4C00
PEAK stator		
Manual	C2N-4346	C2N-4340
With universal actuator	C2N-4346EUHA	C2N-4340EUHA
Replacement valve	C2N-4346D	C2N-4340D
Replacement rotor	C2N-43R6	C2N-43R0
Replacement stator	C2N-4C46	C2N-4C40

OPTIONS

- 150 micron (.006") and 250 micron (.010") ports



6 PORT NANOVOLUME VALVE
1/32" stainless ZDV fittings

Sample loops

Each stainless loop includes two stainless steel nuts and ferrules. Each PEEK loop includes two PEEK nuts and ferrules.

These loops are for use with valves on this page.



Volume	Stainless steel		PEEK	
	Prod No	Prod No	Prod No	Prod No
1 µl	CSLN1K	CSLN1KPK	CSLN1KPK	
2 µl	CSLN2K	CSLN2KPK	CSLN2KPK	
5 µl	CSLN5K	CSLN5KPK	CSLN5KPK	
10 µl	CSLN10K	CSLN10KPK	CSLN10KPK	

ABOUT LOOPS

- Sample loop shape and dimensions may vary from batch to batch due to fluctuations in tubing ID. Loop volume is controlled as closely as possible, but is not calibrated.



Nanovolume® internal sample injectors

5,000 psi

1/32" FITTINGS, 100 MICRON PORTS (.004")

SPECIFICATIONS

**5,000 psi liq
50°C max**

Stator: Metal
Rotor: Valcon H

**5,000 psi liq
50°C max**

Stator: PEEK
Rotor: Valcon E

Model C4N includes nuts and ferrules.

Valves with stainless stators have stainless fittings.

Valves with PEEK stators have PEEK fittings.

Universal actuator: 24 VDC, with autosensing 24 VDC power supply.

Includes RS232/485 serial interface. See page 174 for other interface options.



5,000 psi

Nanobore

Internal sample

1/32"

100 µm

OPTIONS

• 0.15 mm ports (.006")

Sample volume	4 nanoliters	10 nanoliters	20 nanoliters
	Prod No	Prod No	Prod No
N60 stainless stator			
Manual	C4N-4004-.004	C4N-4004-.01	C4N-4004-.02
With universal actuator	C4N-4004-.004EUHA	C4N-4004-.01EUHA	C4N-4004-.02EUHA
Replacement valve	C4N-4004-.004D	C4N-4004-.01D	C4N-4004-.02D
Replacement rotor	C4N-40R-.004	C4N-40R-.01	C4N-40R-.02
Replacement stator	C4N-4C0	C4N-4C0	C4N-4C0
PEEK stator			
Manual	C4N-4344-.004	C4N-4344-.01	C4N-4344-.02
With universal actuator	C4N-4344-.004EUHA	C4N-4344-.01EUHA	C4N-4344-.02EUHA
Replacement valve	C4N-4344-.004D	C4N-4344-.01D	C4N-4344-.02D
Replacement rotor	C4N-43R-.004	C4N-43R-.01	C4N-43R-.02
Replacement stator	C4N-4C4H	C4N-4C4H	C4N-4C4H

Sample volume	4 nanoliters	10 nanoliters	20 nanoliters
	Prod No	Prod No	Prod No
N60 stainless stator			
Manual	C4N-4004-.004	C4N-4004-.01	C4N-4004-.02
With universal actuator	C4N-4004-.004EUHA	C4N-4004-.01EUHA	C4N-4004-.02EUHA
Replacement valve	C4N-4004-.004D	C4N-4004-.01D	C4N-4004-.02D
Replacement rotor	C4N-40R-.004	C4N-40R-.01	C4N-40R-.02
Replacement stator	C4N-4C0	C4N-4C0	C4N-4C0
PEEK stator			
Manual	C4N-4344-.004	C4N-4344-.01	C4N-4344-.02
With universal actuator	C4N-4344-.004EUHA	C4N-4344-.01EUHA	C4N-4344-.02EUHA
Replacement valve	C4N-4344-.004D	C4N-4344-.01D	C4N-4344-.02D
Replacement rotor	C4N-43R-.004	C4N-43R-.01	C4N-43R-.02
Replacement stator	C4N-4C4H	C4N-4C4H	C4N-4C4H



INTERNAL SAMPLE INJECTOR
1/32" PEEK ZDV fittings

➔ MORE INFO

Actuators
Microelectric 176
Universal 174-175
Materials
Metals 246-247
Polymers 248
Valve rotors 249



CHEMINERT VALVES

Microbore valves

1/16" VALCO FITTINGS, 0.25 MM PORTS (.010")

5,000 psi

Microbore

1/16" **0.25 mm**

Model C2 includes nuts and ferrules.
 Valves with metal stators have stainless steel nuts and ferrules of the stator material.
 Valves with PEEK stators have PEEK nuts and ferrules.
 Universal actuator: 24 VDC, with autosensing 24 VDC power supply.
 Includes RS232/485 serial interface. See page 174 for other interface options.
 Note: The fitting detail pilot depth in PEEK HPLC stators is slightly longer than standard.

SPECIFICATIONS

5,000 psi liq
75°C max
 Stator: Metal
 Rotor: Valcon H

5,000 psi liq
50°C max
 Stator: PEEK
 Rotor: Valcon E



N60 stainless stator				
Manual	C2-1004	C2-1006	C2H-1008	C2H-1000
With universal act.	C2-1004EUHA	C2-1006EUHA	C2H-1008EUHA	C2H-1000EUHA
Replacement valve	C2-1004D	C2-1006D	C2H-1008D	C2H-1000D
Replacement rotor	C2-10R4	C2-10R6	C2-10R8H	C2-10R0H
Replacement stator	C-1C04	C-1C06	C-1C08H	C-1C00H
PEAK stator				
Manual	C2-1344	C2-1346	C2H-1348	C2H-1340
With universal act.	C2-1344EUHA	C2-1346EUHA	C2H-1348EUHA	C2H-1340EUHA
Replacement valve	C2-1344D	C2-1346D	C2H-1348D	C2H-1340D
Replacement rotor	C2-13R4	C2-13R6	C2-13R8H	C2-13R0H
Replacement stator	C-1C44	C-1C46	C-1C48H	C-1C40H
Titanium stator				
Manual	C2-1034	C2-1036	C2H-1038	C2H-1030
With universal act.	C2-1034EUHA	C2-1036EUHA	C2H-1038EUHA	C2H-1030EUHA
Replacement valve	C2-1034D	C2-1036D	C2H-1038D	C2H-1030D
Replacement rotor	C2-10R4	C2-10R6	C2-10R8H	C2-10R0H
Replacement stator	C-1C34	C-1C36	C-1C38H	C-1C30H

OPTIONS

- Continuous flow version is available as Model C6. See page 143.
- Hastelloy C stators
- Loop fill port assembly for injection from front of the valve. See page 31.
- 0.15 mm (0.006") bore



10 PORT VALVE
1/16" PEEK ZDV fittings

Sample loops

Each metal loop includes two stainless steel nuts and ferrules.
 Each PEEK loop includes two PEEK nuts and ferrules.
 These loops are for use with valves on pages 140, 142, 143, 144, 146, 147, 163, 164, 165, and 167.



Volume	Stainless Steel Prod No	PEEK (for PEEK stators) Prod No	Titanium Prod No
2 µl	CSL2	CZSL2PK	CSL10TI
5 µl	CSL5	CZSL5PK	CSL20TI
10 µl	CSL10	CZSL10PK	CSL50TI
20 µl	CSL20	CZSL20PK	CSL100TI
50 µl	CSL50	CZSL50PK	CSL250TI
100 µl	CSL100	CZSL100PK	CSL500TI
250 µl	CSL250	CZSL250PK	CSL1KTI
500 µl	CSL500	CZSL500PK **	
1 ml	CSL1K	CZSL1KPK **	
2 ml	CSL2K	CZSL2KPK **	
5 ml	CSL5K	CZSL5KPK **	
10 ml	CSL10K	** max pressure 2500 psi	

ABOUT LOOPS

- Other materials are available in many sizes: Electroformed Nickel, Hastelloy C, Nickel 200, and PTFE.
- Metal loops > 2 ml are made from 1/8" OD tubing with TIG welded 1/16" tube ends or reducing unions.
- Sample loop shape and dimensions may vary from batch to batch due to fluctuations in tubing ID. Loop volume is controlled as closely as possible, but is not calibrated.

OPTIONAL FLOWPATH

Model C2 6 port valves can also be ordered with a dual 3-way rotor, as described in EPA Method 555.



To specify this flowpath, substitute "6X" for "6" in the valve or rotor prod no (e.g. C2-1006XEUHA).



Nanoliter internal sample injectors

1/16" VALCO FITTINGS, 0.15 MM PORTS (.006")

SPECIFICATIONS

5,000 psi liq
75°C max

Stator: Metal
Rotor: Valcon H

5,000 psi liq
50°C max

Stator: PEEK
Rotor: Valcon E

Model C4 includes nuts and ferrules.

Valves with stainless stators have stainless fittings.

Valves with PEEK stators have PEEK fittings.

Universal actuator: 24 VDC, with autosensing 24 VDC power supply.

Includes RS232/485 serial interface. See page 174 for other interface options.

Note: The fitting detail pilot depth in PEEK HPLC stators is slightly longer than standard.



5,000 psi

Microbore

Internal sample

1/16"

0.15 mm

OPTIONS

- 100, 200, and 500 nl sample volumes are also available in 0.25 mm bore.
See page 145.
- Loop fill port assembly for injection from front of the valve.
See page 31.
- 0.25 mm (0.010") bore

Sample volume	10 nanoliters	20 nanoliters	50 nanoliters
	Prod No	Prod No	Prod No

N60 stainless stator			
Manual	C4-0004-.01	C4-0004-.02	C4-0004-.05
With universal actuator	C4-0004-.01EUHA	C4-0004-.02EUHA	C4-0004-.05EUHA
Replacement valve	C4-0004-.01D	C4-0004-.02D	C4-0004-.05D
Replacement rotor	C4-00R-.01	C4-00R-.02	C4-00R-.05
Replacement stator	C4-0C0	C4-0C0	C4-0C0
PEEK stator			
Manual	C4-0344-.01	C4-0344-.02	C4-0344-.05
With universal actuator	C4-0344-.01EUHA	C4-0344-.02EUHA	C4-0344-.05EUHA
Replacement valve	C4-0344-.01D	C4-0344-.02D	C4-0344-.05D
Replacement rotor	C4-03R-.01	C4-03R-.02	C4-03R-.05
Replacement stator	C4-0C4	C4-0C4	C4-0C4



INTERNAL SAMPLE INJECTOR
1/16" stainless ZDV fittings

MORE INFO

Actuators

- Microelectric 176
- Universal 174-175

Materials

- Metals 246-247
- Polymers 248
- Valve rotors 249

Nuts

- Metal 12
- PEEK 48

Ferrules

- Metal 14
- PEEK 48



CHEMINERT VALVES

Microbore continuous flow through-the-handle injectors


1/16" VALCO FITTINGS, 0.25 MM PORTS (.010")

- 5,000 psi
- Microbore
- Continuous flow
- Through-handle
- 1/16"
0.25 mm

Model C1CFI is available only in manual version.
 Position feedback included.
 Includes nuts and ferrules.
 Valves with stainless stators have stainless fittings.
 Valves with PEEK stators have PEEK fittings.
 Note: The fitting detail pilot depth in PEEK HPLC stators is slightly longer than standard.



Prod No

N60 stainless stator	
6 port injector	C1CFI-1006
Replacement rotor	C1-10R6
Replacement stator	C1CF-1C06
PEEK stator	
6 port injector	C1CFI-1346
Replacement rotor	C1-13R6
Replacement stator	C1CF-1C46
Replacement injector fitting	
	C-261

SPECIFICATIONS

5,000 psi liq
75°C max
 Stator: Metal
 Rotor: Valcon H

5,000 psi liq
50°C max
 Stator: PEEK
 Rotor: Valcon E

OPTIONS

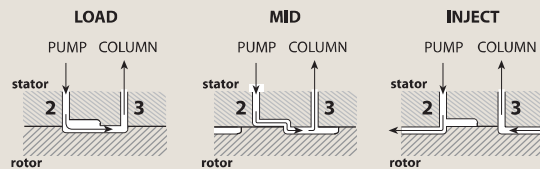
- 0.40 mm bore (.016") on page 146.



Model C1CFI
 1/16" ZDV fittings

i CONTINUOUS FLOWPATH THROUGH-THE-HANDLE INJECTORS

An engraving on the stator maintains pump flow between the pump connection port (2) and the column connection port (3) during most of the switching cycle, virtually eliminating pressure spikes.



MODEL C1CFI



Microbore continuous flow injectors

1/16" VALCO FITTINGS, 0.25 MM PORTS (.010")

SPECIFICATIONS

5,000 psi liq
75°C max

Stator: Metal
Rotor: Valcon H

5,000 psi liq
50°C max

Stator: PEEK
Rotor: Valcon E

Model C6 includes nuts and ferrules.

Valves with stainless stators have stainless fittings.

Valves with PEEK stators have PEEK fittings.

Universal actuator: 24 VDC, with autosensing 24 VDC power supply.

Includes RS232/485 serial interface. See page 174 for other interface options.

Note: The fitting detail pilot depth in PEEK HPLC stators is slightly longer than standard.

5,000 psi
Microbore
Continuous flow
1/16" 0.25 mm

OPTIONS

- 0.40 mm bore (.016") on page 147.



CONTINUOUS FLOW INJECTOR
1/16" stainless ZDV fittings

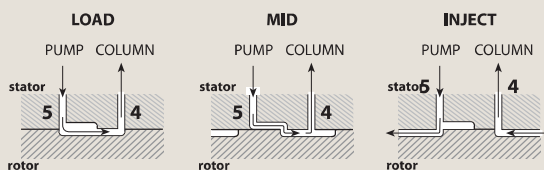


Prod No

N60 stainless stator	
Manual	C6-1006
With universal actuator	C6-1006EUHA
Replacement valve	C6-1006D
Replacement rotor	C2-10R6
Replacement stator	C6-1C06
PEEK stator	
Manual	C6-1346
With universal actuator	C6-1346EUHA
Replacement valve	C6-1346D
Replacement rotor	C2-13R6
Replacement stator	C6-1C46

i CONTINUOUS FLOWPATH INJECTORS

An engraving on the stator maintains pump flow between the pump connection port (5) and the column connection port (4) during most of the switching cycle, virtually eliminating pressure spikes.



MODEL C6

Sample loops

Each metal loop includes two stainless steel nuts and ferrules. Each PEEK loop includes two PEEK nuts and ferrules.

These loops are for use with valves on pages 140, 142, 143, 144, 146, 147, 163, 164, 165, and 167.



➔ MORE INFO

- Actuators
 - Microelectric 176
 - Universal 174-175
- Materials
 - Metals 246-247
 - Polymers 248
 - Valve rotors 249
- Nuts
 - Metal 12
 - PEEK 48
- Ferrules
 - Metal 14
 - PEEK 48

◇ ABOUT LOOPS

- Other materials are available in many sizes: Electroformed Nickel, Hastelloy C, Nickel 200, and PTFE.
- Metal loops > 2 ml are made from 1/8" OD tubing with TIG welded 1/16" tube ends or reducing unions.
- Sample loop shape and dimensions may vary from batch to batch due to fluctuations in tubing ID. Loop volume is controlled as closely as possible, but is not calibrated.

Volume	Stainless Steel	PEEK (for PEEK stators)	Titanium
	Prod No	Prod No	
2 µl	CSL2	CZSL2PK	
5 µl	CSL5	CZSL5PK	Prod No
10 µl	CSL10	CZSL10PK	CSL10TI
20 µl	CSL20	CZSL20PK	CSL20TI
50 µl	CSL50	CZSL50PK	CSL50TI
100 µl	CSL100	CZSL100PK	CSL100TI
250 µl	CSL250	CZSL250PK	CSL250TI
500 µl	CSL500	CZSL500PK **	CSL500TI
1 ml	CSL1K	CZSL1KPK **	CSL1KTI
2 ml	CSL2K	CZSL2KPK **	
5 ml	CSL5K	CZSL5KPK **	
10 ml	CSL10K	** max pressure 2500 psi	



CHEMINERT VALVES

Analytical valves

1/16" VALCO FITTINGS, 0.40 MM PORTS (.016")

5,000 psi

Analytical

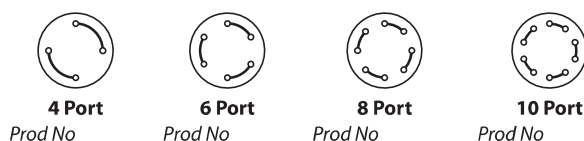
1/16" **0.40 mm**

Model C2 includes nuts and ferrules.
 Valves with metal stators have stainless steel nuts and ferrules of the stator material.
 Valves with PEEK stators have PEEK nuts and ferrules.
 Universal actuator: 24 VDC, with autosensing 24 VDC power supply.
 Includes RS232/485 serial interface. See page 174 for other interface options.
 Note: The fitting detail pilot depth in PEEK HPLC stators is slightly longer than standard.

SPECIFICATIONS

5,000 psi liq
75°C max
 Stator: Metal
 Rotor: Valcon H

5,000 psi liq
50°C max
 Stator: PEEK
 Rotor: Valcon E



N60 stainless stator				
Manual	C2-2004	C2-2006	C2H-2008	C2H-2000
With universal actuator	C2-2004EUHA	C2-2006EUHA	C2H-2008EUHA	C2H-2000EUHA
Replacement valve	C2-2004D	C2-2006D	C2H-2008D	C2H-2000D
Replacement rotor	C2-20R4	C2-20R6	C2-20R8H	C2-20R0H
Replacement stator	C-2C04	C-2C06	C-2C08H	C-2C00H
PEAK stator				
Manual	C2-2344	C2-2346	C2H-2348	C2H-2340
With universal actuator	C2-2344EUHA	C2-2346EUHA	C2H-2348EUHA	C2H-2340EUHA
Replacement valve	C2-2344D	C2-2346D	C2H-2348D	C2H-2340D
Replacement rotor	C2-23R4	C2-23R6	C2-23R8H	C2-23R0H
Replacement stator	C-2C44	C-2C46	C-2C48H	C-2C40H
Titanium stator				
Manual	C2-2034	C2-2036	C2H-2038	C2H-2030
With universal actuator	C2-2034EUHA	C2-2036EUHA	C2H-2038EUHA	C2H-2030EUHA
Replacement valve	C2-2034D	C2-2036D	C2H-2038D	C2H-2030D
Replacement rotor	C2-20R4	C2-20R6	C2-20R8H	C2-20R0H
Replacement stator	C-2C34	C-2C36	C-2C38H	C-2C30H

OPTIONS

- Continuous flow version is available as Model C6. See page 143.
- Hastelloy C stators
- Semi-prep version with 0.75 mm ports (.030") available
- Loop fill port assembly for injection from front of the valve. See page 41.



6 PORT VALVE
 1/16" stainless ZDV fittings

Sample loops

Each metal loop includes two stainless steel nuts and ferrules.
 Each PEEK loop includes two PEEK nuts and ferrules.
 These loops are for use with valves on pages 140, 142, 143, 144, 146, 147, 163, 164, 165, and 167.



Volume	Stainless Steel		PEEK (for PEEK stators)		Titanium
	Prod No	Prod No	Prod No	Prod No	
2 µl	CSL2	CZSL2PK			
5 µl	CSL5	CZSL5PK			
10 µl	CSL10	CZSL10PK			CSL10TI
20 µl	CSL20	CZSL20PK			CSL20TI
50 µl	CSL50	CZSL50PK			CSL50TI
100 µl	CSL100	CZSL100PK			CSL100TI
250 µl	CSL250	CZSL250PK			CSL250TI
500 µl	CSL500	CZSL500PK **			CSL500TI
1 ml	CSL1K	CZSL1KPK **			CSL1KTI
2 ml	CSL2K	CZSL2KPK **			
5 ml	CSL5K	CZSL5KPK **			
10 ml	CSL10K	** max pressure 2500 psi			

ABOUT LOOPS

- Metal loops > 2 ml are made from 1/8" OD tubing with TIG welded 1/16" tube ends or reducing unions.
- Other materials are available in many sizes.

AUTOSAMPLER REPLACEMENT VALVES

The Cheminert Model C2 6 port valve is an excellent replacement for the valve originally supplied in many autosamplers, including autosamplers manufactured by Beckman, Gilson, Spark-Holland, CTC, Thermo Fisher, and Varian. Call technical support to determine which replacement is best for your application.

OPTIONAL FLOWPATH

Model C2 6 port valves can also be ordered with a dual 3-way rotor, as described in EPA Method 555.



To specify this flowpath, substitute "6X" for "6" in the valve or rotor prod no (e.g. C2-2006XEUHA).



Analytical internal sample injector

1/16" VALCO FITTINGS, 0.25 MM PORTS (.010")

SPECIFICATIONS

5,000 psi liq

75°C max

Stator: Metal
Rotor: Valcon H

5,000 psi liq

50°C max

Stator: PEEK
Rotor: Valcon E

Model C4 includes nuts and ferrules.

Valves with metal stators have stainless steel nuts and ferrules of the stator material.

Valves with PEEK stators have PEEK nuts and ferrules.

Universal actuator: 24 VDC, with autosensing 24 VDC power supply.

Includes RS232/485 serial interface. See page 174 for other interface options.

Note: The fitting detail pilot depth in PEEK HPLC stators is slightly longer than standard.



5,000 psi

Analytical

Internal sample

1/16"

0.25 mm

OPTIONS

- 0.05 µl sample volumes are also available.
- Loop fill port assembly for injection from front of the valve.
See page 41.

Sample volume	0.1 µl Prod No	0.2 µl Prod No	0.5 µl Prod No
N60 stainless stator			
Manual	C4-1004-.1	C4-1004-.2	C4-1004-.5
With universal actuator	C4-1004-.1EUHA	C4-1004-.2EUHA	C4-1004-.5EUHA
Replacement valve	C4-1004-.1D	C4-1004-.2D	C4-1004-.5D
Replacement rotor	C4-10R-.1	C4-10R-.2	C4-10R-.5
Replacement stator	C4-1C0	C4-1C0	C4-1C0
PEEK stator			
Manual	C4-1344-.1	C4-1344-.2	C4-1344-.5
With universal actuator	C4-1344-.1EUHA	C4-1344-.2EUHA	C4-1344-.51EUHA
Replacement valve	C4-1344-.1D	C4-1344-.2D	C4-1344-.5D
Replacement rotor	C4-13R-.1	C4-13R-.2	C4-13R-.5
Replacement stator	C4-1C4	C4-1C4	C4-1C4
Titanium stator			
Manual	C4-1034-.1	C4-1034-.2	C4-1034-.5
With universal actuator	C4-1034-.1EUHA	C4-1034-.2EUHA	C4-1034-.5EUHA
Replacement valve	C4-1034-.1D	C4-1034-.2D	C4-1034-.5D
Replacement rotor	C4-10R-.1	C4-10R-.2	C4-10R-.5
Replacement stator	C4-1C3	C4-1C3	C4-1C3



INTERNAL SAMPLE INJECTOR
1/16" stainless ZDV fittings

MORE INFO

- Actuators
 - Microelectric 176
 - Universal 174-175
- Materials
 - Metals 246-247
 - Polymers 248
 - Valve rotors 249



CHEMINERT VALVES

Analytical continuous flow through-the-handle injectors

1/16" VALCO FITTINGS, 0.40 MM PORTS (.016")

- 5,000 psi**
- Analytical**
- Continuous flow**
- Through-handle**
- 1/16"**
0.40 mm

Model C1CFI is available only in manual version.
 Position feedback included.
 Includes nuts and ferrules.
 Valves with stainless stators have stainless fittings.
 Valves with PEEK stators have PEEK fittings.
Note: The fitting detail pilot depth in PEEK HPLC stators is slightly longer than standard.



Prod No

SPECIFICATIONS

5,000 psi liq
75°C max
 Stator: Metal
 Rotor: Valcon H


5,000 psi liq
50°C max
 Stator: PEEK
 Rotor: Valcon E

OPTIONS

- 0.25 mm bore (.010") on page 142.

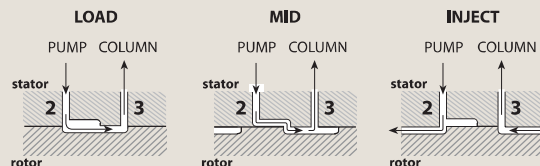


Model C1CFI
1/16" ZDV fittings

N60 stainless stator	
6 port injector	C1CFI-2006
Replacement rotor	C1-20R6
Replacement stator	C1CF-2C06
PEEK stator	
6 port injector	C1CFI-2346
Replacement rotor	C1-23R6
Replacement stator	C1CF-2C46
Replacement injector fitting	
	C-261

i CONTINUOUS FLOWPATH THROUGH-THE-HANDLE INJECTORS

An engraving on the stator maintains pump flow between the pump connection port (2) and the column connection port (3) during most of the switching cycle, virtually eliminating pressure spikes.



MODEL C1CFI



Analytical continuous flow injectors

1/16" VALCO FITTINGS, 0.40 MM PORTS (.016")

SPECIFICATIONS

5,000 psi liq
75°C max

Stator: Metal
Rotor: Valcon H

5,000 psi liq
50°C max

Stator: PEEK
Rotor: Valcon E

Model C6 includes nuts and ferrules.

Valves with stainless stators have stainless fittings.

Valves with PEEK stators have PEEK fittings.

Universal actuator: 24 VDC, with autosensing 24 VDC power supply.

Includes RS232/485 serial interface. See page 174 for other interface options.

Note: The fitting detail pilot depth in PEEK HPLC stators is slightly longer than standard.

5,000 psi

Analytical

Continuous flow

1/16"

0.40 mm

OPTIONS

- 0.25 mm bore (.010") on page 143.



CONTINUOUS FLOW INJECTOR
1/16" stainless ZDV fittings

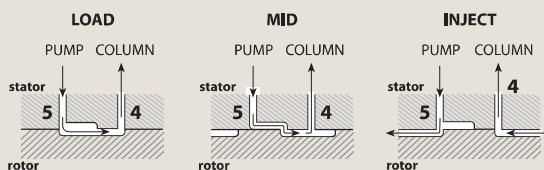


Prod No

N60 stainless stator	
Manual	C6-2006
With universal actuator	C6-2006EUHA
Replacement valve	C6-2006D
Replacement rotor	C2-20R6
Replacement stator	C6-2C06
PEAK stator	
Manual	C6-2346
With universal actuator	C6-2346EUHA
Replacement valve	C6-2346D
Replacement rotor	C2-23R6
Replacement stator	C6-2C46

i CONTINUOUS FLOWPATH INJECTORS

An engraving on the stator maintains pump flow between the pump connection port (5) and the column connection port (4) during most of the switching cycle, virtually eliminating pressure spikes.



MODEL C6

Sample loops

Each metal loop includes two stainless steel nuts and ferrules. Each PEEK loop includes two PEEK nuts and ferrules.

These loops are for use with valves on pages 140, 142, 143, 144, 146, 147, 163, 164, 165, and 167.



Volume	Stainless Steel		PEEK (for PEEK stators)		Titanium
	Prod No	Prod No	Prod No	Prod No	
2 µl	CSL2	CZSL2PK			
5 µl	CSL5	CZSL5PK			
10 µl	CSL10	CZSL10PK			CSL10TI
20 µl	CSL20	CZSL20PK			CSL20TI
50 µl	CSL50	CZSL50PK			CSL50TI
100 µl	CSL100	CZSL100PK			CSL100TI
250 µl	CSL250	CZSL250PK			CSL250TI
500 µl	CSL500	CZSL500PK	**		CSL500TI
1 ml	CSL1K	CZSL1KPK	**		CSL1KTI
2 ml	CSL2K	CZSL2KPK	**		
5 ml	CSL5K	CZSL5KPK	**		
10 ml	CSL10K		** max pressure 2500 psi		

➔ MORE INFO

- Actuators
- Microelectric 176
 - Universal 174-175
- Materials
- Metals 246-247
 - Polymers 248
 - Valve rotors 249
- Nuts
- Metal 12
 - PEEK 48
- Ferrules
- Metal 14
 - PEEK 48

◇ ABOUT LOOPS

- Other materials are available in many sizes: Electroformed Nickel, Hastelloy C, Nickel 200, and PTFE.
- Metal loops > 2 ml are made from 1/8" OD tubing with TIG welded 1/16" tube ends or reducing unions.
- Sample loop shape and dimensions may vary from batch to batch due to fluctuations in tubing ID. Loop volume is controlled as closely as possible, but is not calibrated.