



*Fluidics Intelligently Automated*

2023

# CONSUMABLES CATALOG

FIAlab Instruments Inc.



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# The FIALab Promise

When it comes to customer service, our guiding principle is that you, our customer, will succeed in your business. FIALab is a partner that supports your efforts in reaching that goal. We provide superior tools for our customers' analytical operations, as well as steadfast support when questions and special needs arise. Whether it be patching our software, training new employees, or performing maintenance, we promise to be there for you.

## Industries We Serve



Agricultural



Environmental



Pharmaceutical



Research & Education

# Columns & Membranes

## Cadmium Column

### For Nitrate Reduction



Cadmium Column	71010
Cadmium Column, 2 pack	71015
Lachat Adaption Kit (For QuikChem Series)	79165
Includes: two nuts, four ferrules, and five feet of 0.03"ID tubing	
<i>For Replacement Switching Valve, see page 07</i>	

## Ion Exchange Column

### For MTB Sulfate Determination



Ion Exchange Column for MTB Sulfate	71011
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## Diffusion & Dialysis Membranes

Polypropylene gas diffusion membrane tape kit, 12-pk	82060
C type dialysis membrane, pre-mounted, 12-pk	82063
Membrane, 25 mm, Polypropylene for Gas Diffusion, 12-pk	820603
<i>*Most common membrane, for Gas Diffusion Cell</i>	
Membrane, 25 mm, PTFE for Phase Separation and Debubblers, 10-pk	820605
Membrane, dialysis, type C, for quick-release sandwich cell, 12-pk	82066

# Replacement Parts

## Pumps



794104



41220



41231

Upgrade to 8-channel extended pump on FIAlyzer-1000	794104
Pressure Lever Cassette/Cartridge for FIAlyzer-1000 Peristaltic Pump	41220
Pressure Lever Cassette/Cartridge for FIAlyzer-FLEX Peristaltic Pump	41231

*For Pump Replacement or Repair, please contact FIAlab  
For Peristaltic Pump Tubing, see pages 12-13*

## Valve Head Parts



29089



290871



52002



53004



54107

FIAlyzer-1000 Lab-on-Valve	29089
FIAlyzer-FLEX Lab-on-Valve	290871
Valve Head: 6-port injector, Valcon E2 Rotor	52002
Valve Rotor: 6-port injector, Valcon E2	53004
Valve Clamp Ring: injector valve	54107



## Accessories

### Optics



17047

15040/15041

79028

79038

790782

Bulb for HL-2000-LL	17047
FIAnalyzer-1000 light source fiber. 600 um Premium Fiber, VIS/NIR, 30 cm	15040
FIAnalyzer-1000 spectrometer fiber. 600 um Premium Fiber, VIS/NIR, 50 cm	15041
FIAnalyzer-1000 bifurcated light source fiber. 600 um Premium Fiber, VIS/NIR, 30 cm	15042
Upgrade to extended range on FIAnalyzer-1000 Includes: spectrometer and bifurcated fiber	794100
SMA-Z flow cell - 10mm optical path, plexiglas	79028
SMA-Z flow cell - 100mm optical path, plexiglas	79038
SMA-Z micro-volume flow cell - 50mm optical path, radel insert, narrow ID channels, plexiglas	790782
Cuvette for PMT-FL, all-quartz, 1.5 x 3 mm	29109
Cuvette for PMT-FL, all-quartz, 1 x 1 mm	29009

### Flow Cell Parts



79150



79153



79166



79167

Flow Cell Window Replacement Kit Includes: 6 Teflon seals, 2 SMA connectors and 2 silica flow cell windows	79150
Flow Cell Window Replacement Kit Includes: 6 Teflon seals, 2 SMA connectors, 2 jam nuts, 2 silica flow cell windows	79153
50 mm Flow Cell Window Replacement Kit Includes: 2 Teflon seals, 2 o-rings, 2 silica flow cell windows	79166
50 mm Flow Cell Window Replacement Kit Includes: 2 Teflon seals, 2 o-rings, 2 SMA connectors, 2 jam nuts, 2 silica flow cell windows	79167

Method Accessories



24055



240370



290035



29111



770105

4-Way Manual Switching Valve with Diagonal Flow	24055
Backpressure cartridge, 20 psi	240370
Gas Diffusion Manifold	290035
Mixing Manifold	29111
Debubbler assembly for Olsen phosphate, with fluidic cross, PEEK insert, and all fittings	770105

Digestion Parts

For In-Line & Off-Line Digestion



61130



611341



61132

40-well TKN block digester (BD40)	61130
Digestion tube for BD40 TKN block digester	611331
Glass stopper (cold finger) for digestion tube for BD40 TKN block digester	611341
TKN boiling stones, Teflon	61132
Coil for in-line UV digester - Total P / Total N. 244" of 0.03" ID Teflon tubing	170382
Coil for in-line UV digester - Total CN. 380" of 0.03" ID Teflon tubing	170383
Bulb for in-line UV digester - Total P / Total N	170372
Bulb for in-line UV digester - Total CN by ISO method.	170373
Bulb for in-line UV digester - Total CN by EPA method.	170374

*If you do not see the part you need, or need a repair part, please contact FIAlab.*

## Accessories

### Autosampler Parts



61010



610301



61033



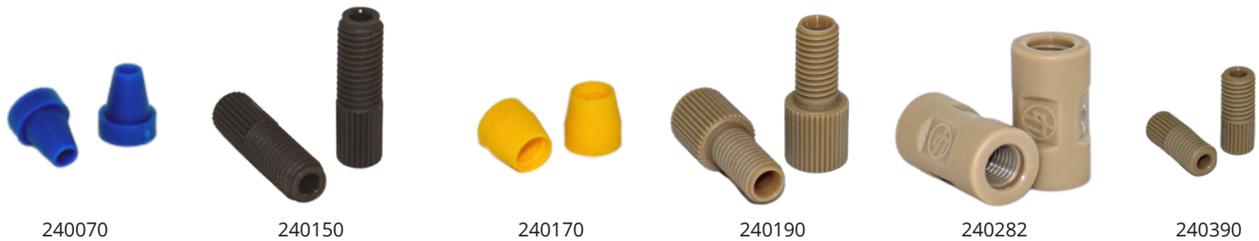
61031

Carbon Probe 0.8mm ID for Cetac ASX-260/280/520/560 (red)	61010
Sample Rack for ASX autosampler, 60 position, 14mL vial	61011
<i>*Standard configuration autosampler parts</i>	
Carbon Probe 1.0mm ID for Cetac ASX-260/280/520/560 (double blue)	61013
Carbon Probe 0.5mm ID for Cetac ASX-260/280/520/560 (blue)	61015
Stainless Steel Probe for ASX-280/560	610101
Sample Rack for ASX autosampler, 21 position, 50 mL vial	610110
Sample Rack for ASX autosampler, 90 position, 8mL vial	610111
ASX-280/560 rinse pump peristaltic tubing 2mm	610301
ASX-280/560 thumbscrew and O-ring kit	61033
Z-Axis Drive Tubing Assembly PEEK antikink for Cetac ASX-280/560	61031

*If you do not see the part you need, or need a repair part, please contact FIAlab.*

# Connections

## Nuts, Ferrules, & Unions



1/4-28 Flangeless Ferrules for 1/16" OD tubing, TEFZEL, 10-pk	240070
1/4-28 Flangeless Nuts for 1/16" OD tubing, PPS, 10-pk	240150
1/4-28 Flangeless Ferrules for 1/8" OD tubing, TEFZEL, 10-pk	240170
1/4-28 Flangeless Nuts for 1/8" OD tubing, PEEK, 10-pk	240190
Union body PEEK, 0.050 in thru, 10-pk	240282
1/4-28 Flangeless nut for 1/16" OD tubing, short, PEEK, 10-pk	240390

*\*Most commonly used connections*



Mixing tee, PEEK, 0.040" thru, 5-pk	240396
C-PFM: adapter, 1/4-28 female to medium barbed fitting, fits into peristaltic pump tubes, 10-pk	240021
C-PFL: adapter, 1/4-28 female to large barbed fitting, fits into peristaltic pump tubes, 10-pk	240011
M6 Flangeless Nut for 1/16" tubing, PPS, black, 10-pk	240160

## Instrument Tubing

### Primary Instrument Tubing

Teflon Tubing, 1/16th" OD, 0.03" ID, 20ft, clear	270040
Teflon Tubing, 1/16th" OD, 0.03" ID, 100ft, clear	270041

### Waste Tubing

Teflon Tubing, 1/8th" OD, 0.062" ID, 20ft, clear	270060
Teflon Tubing, 1/8th" OD, 0.062" ID, 100ft, clear	270061

### Instrument Sample Loops

FIAnalyzer sample loop: 12" of 0.03" ID (139 µL), including nuts and ferrules.	792500
FIAnalyzer sample loop: 3" of 0.03" ID (35 µL), including nuts and ferrules.	792502
FIAnalyzer sample loop: 2.25" of 0.02" ID (12 µL), including nuts and ferrules	792503

### Backpressure Tubing

Backpressure coil, 60" of 0.02" ID tubing	792103
Backpressure coil, 120" of 0.02" ID tubing	792101
Backpressure coil, 240" of 0.02" ID tubing	792103
Backpressure coil, 480" of 0.02" ID tubing	792104

*For Replacement Backpressure Cartridge, see page 07*

### Miscellaneous Tubing

PEEK tubing, 1/16" OD, 0.03" ID, 5ft, green	270120
Plug tubing, 1/16th" OD, 0.0"ID, 5ft, white	270370

## Mixing Coils

Mixing coil, plumbed with 65" of 0.03" ID Teflon tubing, 750µL	79209
Small mixing coil, plumbed with 32" of 0.03" ID Teflon tubing, 370µL	792092
Mixing breadboard, 2 x 19 holes, plumbed with 10" of 0.03" ID Teflon tubing, 3" leads, 115µL	792093
Mixing breadboard, 14 x 19 holes, plumbed with 32" of 0.03" ID Teflon tubing, 370µL	792094

## Maintenance Tools



240230



240230



270410



270411



270412



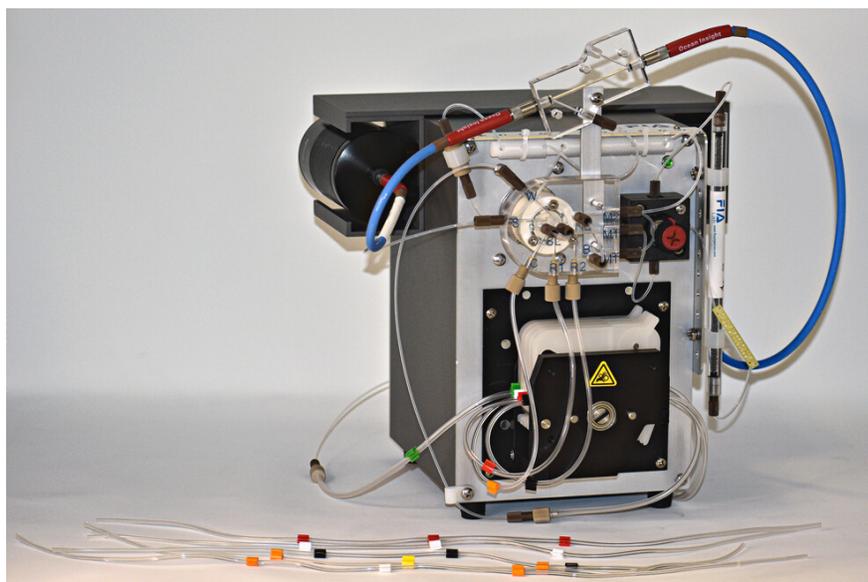
270420

Female Luer Adapter to 1/4-28 Male - Polypropylene	240230
Handheld Syringe, Luer-Lok Tip, 3ml	240234
Plastic Tubing Cutter	270410
Small brush for cleaning LOV ports, yellow	270411
Medium brush for cleaning fluidics parts, green	270412
Expanding Awl	270420

# Peristaltic Pump Tubing

## 3-Stop Tubing

For a FIAlyzer-1000



0.51 mm ID (orange/yellow), PVC, with connectors, 12 pack	273051
0.64 mm ID (orange/white), PVC, with connectors, 12 pack	273064
0.76 mm ID (black/black), PVC, with connectors, 12 pack	273076
0.89 mm ID (orange/orange), PVC, with connectors, 12 pack	273089
1.02 mm ID (white/white), PVC, with connectors, 12 pack	273102
1.14 mm ID (red/red), PVC, with connectors, 12 pack	273114
1.30 mm ID (gray/gray), PVC, with connectors, 12 pack	273130
1.42 mm ID (yellow/yellow), PVC, with connectors, 12 pack	273142
1.85 mm ID (green/green), PVC, with connectors, 12 pack	273185

*If you do not see your pump tubing size, material, or are unsure of the size pump tube you need, please contact FIAlab. Some older instrument models may require 2-stop tubing, please see the next page.*

## 2-Stop Tubing

For a FIAlyzer-FLEX



0.38 mm ID (orange/green), PVC, with connectors, 12 pack	272038
0.51 mm ID (orange/yellow), PVC, with connectors, 12 pack	272051
0.64 mm ID (orange/white), PVC, with connectors, 12 pack	272064
0.76 mm ID (black/black), PVC, with connectors, 12 pack	272076
0.89 mm ID (orange/orange), PVC, with connectors, 12 pack	272089
1.02 mm ID (white/white), PVC, with connectors, 12 pack	272102
1.14 mm ID (red/red), PVC, with connectors, 12 pack	272114
1.30 mm ID (gray/gray), PVC, with connectors, 12 pack	272130
1.42 mm ID (yellow/yellow), PVC, with connectors, 12 pack	272142
1.65 mm ID (blue/blue), PVC, with connectors, 12 pack	272165
1.85 mm ID (green/green), PVC, with connectors, 12 pack	272185

*If you do not see your pump tubing size, material, or are unsure of the size pump tube you need - please contact FIAlab.*

# FIA Spare Parts Kit

## Connections

1/4-28 Flangeless Ferrules for 1/16" OD tubing, TEFZEL. QTY: 20	240070
1/4-28 Flangeless Ferrules for 1/8" OD tubing, TEFZEL. QTY: 10	240170
1/4-28 Flangeless Nuts for 1/16" OD tubing, PPS. QTY: 10	240150
1/4-28 Flangeless Nuts for 1/8" OD tubing, PEEK. QTY: 5	240190
Female Luer Adapter to 1/4-28 Male - Polyprop	240230
Union Body PEEK, 0.050" thru	240280
Mixing tee, PEEK, 0.040" thru	240393
Tygon tubing, 1", used for handling SMA adapters. QTY: 2	270381
Seal Teflon Washer 0.5 mm thick. QTY: 8	240750
Flow cell window, UV Silica. QTY: 2	211140

## Tubing

Teflon Tubing, 1/16th" OD, 0.03" ID, 20ft, clear	270040
Plug Tubing, 3". QTY: 4	270372
Green PEEK tubing, 3". QTY: 4	270121

## Accessories

Expanding Awl	270420
Handheld Syringe, Luer-Lok Tip, 3ml	240234
Plastic Tubing Cutter	270410
Bubble Release Hammer	270435
Small brush for cleaning LOV ports, yellow	270411
Medium brush for cleaning fluidics parts, green	270412
Hex Wrenches: 2.5mm, 1.3mm, 7/64in, 9/64in	270425-270428

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