

LC Accessories & Consumables

PerkinElmer offers a wide selection of superior quality products designed to work with your PerkinElmer instruments. Our precision designed products deliver the peace of mind that comes from knowing that you'll get the results you need.

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LX-50 Instrument Spares

An overview of key spares and consumables needed to keep your LX-50 LC system operating at optimum productivity.



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Flexar Instrument Spares

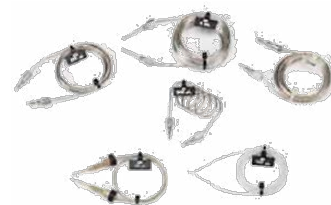
For your convenience a list of commonly used parts to keep your system running at optimal performance.



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Rheodyne Valves and Spare Parts

A range of valves with associated spares for LC/MS (low dispersion), biological applications (PEEK valves) and high precision, high accuracy standard LC applications.



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LC Starter Kits

Essential items to keep your pumps running at maximum efficiency; seals, pistons and check valves.



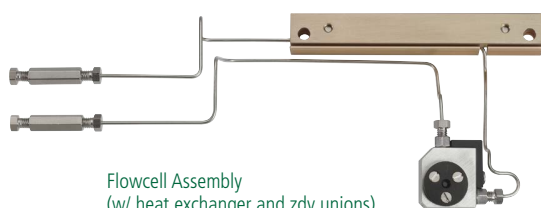
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Flexar Instrument Spares



Flexar UV/Vis PDA Flowcells

These flowcells provide the highest detection limits possible for your sample. The 6 mm pathlength flowcell has been optimized for lower-dispersion LC analysis and is the perfect choice when using narrowbore, 2.1 mm or microbore, 1 mm columns. The 3 mm pathlength is the choice for semiprep LC to avoid detector saturation at high-solute concentrations.



Flowcell Assembly
(w/ heat exchanger and zdv unions)

UV/Vis and PDA Flowcells and Assemblies

Description	Size	Part No.
Flowcells for Flexar FX-UV/Vis UHPLC Detectors		
Flowcell	6 mm x 2.4 µL	N2920127
Flowcell Kit (includes flowcell and detector head plate w/ gasket)	6 mm x 2.4 µL	N2920070
Flowcell Kit (includes flowcell w/ heat exchanger and zdv unions)	10 mm x 15 µL	N2920125
Flowcell	10 mm x 15 µL	N2920124
Flowcell Assembly	6 mm x 2.4 µL	N2920128
Prep Flowcell Assembly (w/ zdv unions)	3 mm x 1.7 µL	29000545
Flowcells for Flexar FX-PDA UHPLC PDA Detectors		
Flowcell Assembly (dual-lensed)	6 mm x 2.4 µL	N2920166
Flowcells for Flexar PDA Detectors		
Flowcell	10 mm x 15 µL	N2920126
Flowcell Assembly	10 mm x 15 µL	N2920160
Flexar PDA Plus		
Flowcell	10 mm x 1 µL	N2950450
Flowcell	50 mm x 5 µL	N2950455
Flowcell	Dry Cell	N2950429

Flexar Needles, Syringes and Kits

PerkinElmer syringe kits for high pressure applications are manufactured for precise liquid delivery. All of these glass syringes come with precision stainless steel plungers. They are used for sampling and flushing and are available in a large variety of sizes.

Flexar Autosampler Needles

Sample needle/w fittings has a 90° bevel and is the standard needle for the Flexar system. The Bio compatible needle features an inert titanium needle.

Air guide needles are available in two different lengths to accommodate different plate heights in the autosampler. The standard air needle is a 62 mm needle. This air needle accommodates use of a wide range of high and low plates.

Blunt tip/low volume needles are for injection of low µL volumes out of already low µL samples. The needle inlet is at the very tip, instead of slightly up the side, to ensure reliable sampling.

Description	Part No.
Sample Needle w/ Fittings	N2936009
Air Guide Needle (62 mm)	N2936000
Bio Compatible Sample Needle w/ Tubing Connector	N2936010
Air Guide Needle (80 mm)	N2936342
Blunt Tip/Low Volume Needle	N2931199

Flexar Autosampler Syringe Kits

Dimension	Buffer Tubing	Part No.
100 µL	200 µL	N2936051
250 µL	500 µL	N2936052
500 µL	1,000 µL	N2936053
1,000 µL	2,000 µL	N2936054
2,500 µL	2,000 µL	N2936055

Flexar Autosampler Syringes

Syringe replacements for current system setup. If syringe size is changed from current setup, a syringe kit (containing the relevant sized tubing) is required.

Contents	Size	Part No.
Sampling Syringe	50 µL	09923304
Sampling Syringe	100 µL	09923305
Sampling Syringe	250 µL	09923270
Sampling Syringe	500 µL	09923306
Sampling Syringe	1000 µL	09923307
Sampling Syringe	2500 µL	09923219*
Sampling Syringe Kit 2500 µL (includes 2500 µL syringe, union and tubing kit)	2500 µL	N2930313
Flush Syringe	2500 µL	09923219

*Requires one-time purchase of **N2930313**.

Flow Cells and Pump Accessory Kits

Pump Seal Kits

Description	Part No.
Micropump Piston Seal Replacement Kit Includes: Seals and O-Rings	N2910384
Flexar Standard LC Pump Maintenance Kit Includes: Fuses, Seals, O-Rings and Seal Tools	N2910345



Detector Backpressure Regulator

Detector Backpressure Regulator

The detector backpressure regulator is a device that is attached to the outlet of the detector to prevent outgassing in the flowcell, eliminating variations to the detector baseline.

Description	Material	Part No.
40 psi in-line backpressure regulator		N2925090
2 – 5K psi variable backpressure regulator		N2925091
Backpressure Regulator Adjustable from 15 – 59 psi	Stainless Steel	09907126

Flexar HPLC and UHPLC Detector Lamps



UV/VIS Deuterium Detector Lamp

Our extensive quality control and inspection process demands the very best quality sources. Choosing a PerkinElmer deuterium, tungsten or xenon source provides outstanding ultraviolet and true visible performance.

- Exceptional performance anywhere in the detector's 190 – 700 nm wavelength range
- Lamp changes are quick and easy due to a unique self-aligning lamp mount

UV/VIS Detector Lamps

Description	Part No.
Flexar UV/VIS Detector Lamps	
Deuterium Lamp	N2920149
Tungsten Lamp	N2920146

Refractive Index Detector Lamps

The Flexar Refractive Index lamps, with its deflection-type design, allows sensitive detection of these compounds with low noise and drift characteristics.

Description	Part No.
Flexar	
Refraction Index (RI) Lamp	02712303



Photo Diode Array Detector Lamp

Photo Diode Array Detector Lamps

The Flexar Photo Diode Array Detector provides true UV/VIS detection and high resolution spectral data. The excellent signal-to-noise characteristics make it ideally suited for low-volume or low concentration samples.

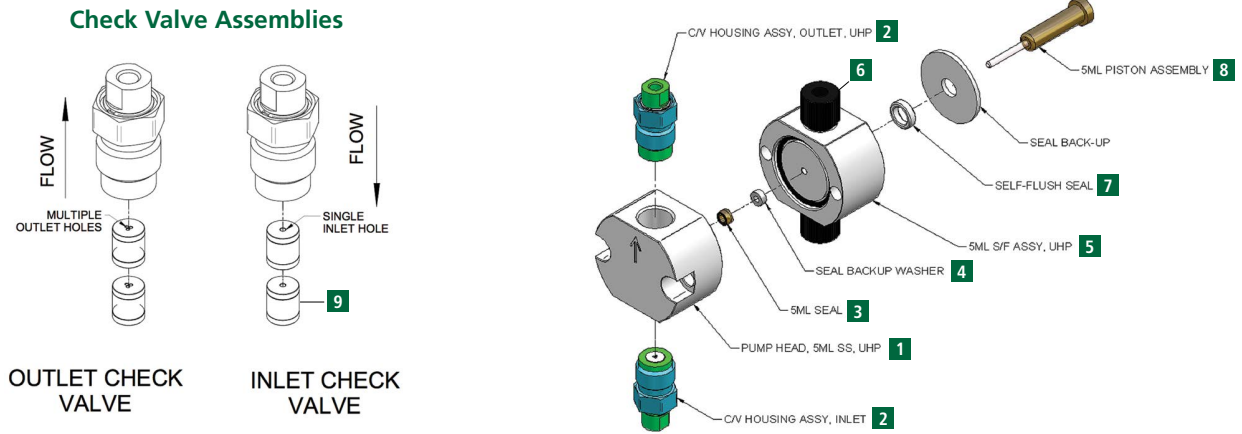
Components	Part No.
Flexar	
Deuterium Lamp (PDA)	N2925030
Deuterium Lamp (PDA Plus)	09290900
Tungsten Lamp	N2922011

Fluorescence Detector Lamps

The major benefit afforded by fluorescence detection is the inherent high sensitivity of the technique coupled with outstanding specificity. The Fluorescence Detector provides signal to noise ratio of >700:1 from trace analysis using a 150 W xenon source.

Components	Part No.
Flexar	
Xenon Lamp	N2922082
Festoon Lamp	04969486

Flexar FX-15 and FX-20 Pump Head

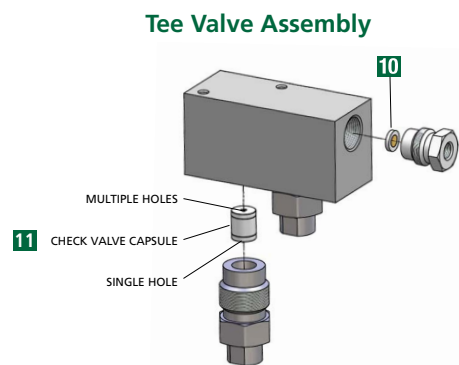


Description	FX-15	FX-20	
	Stainless Steel Part No.	Standard Stainless Steel Part No.	Biocompatible Titanium Part No.
1 Pump Head (Stainless Steel – pkg. 2, Titanium – each)	†	N2911251	N2911244
2 Inlet/Outlet Check Valve Kit (1 inlet and 1 outlet)	N2911220	N2911220	–
3 High Pressure Piston Seal	*	*	*
4 High Pressure Piston Seal Backup Washer	*	*	*
5 Self Flush Assembly w/ Seals	N2911235	N2911235	N2911245
6 Self-Flush Check Valve Kit (1 inlet and 1 outlet)	N2911236	N2911236	N2911236
7 Self-Flush Seal	*	*	*
8 Piston	N9308535	N9308535	N9308535
9 Check Valve Capsule (Stainless Steel – Each, Titanium – pkg. 4)	N2911239	N2911239	N2911240
10 0.5 mm Tee Assembly Frit	N2911224	N2911224	N2911241
11 Check Valve Capsule	N2911239	N2911239	N2911240

* Seals sold in Kits only. See Preventive Maintenance and Seal Kits.
 † Replacement with FX-20 pump heads (N2911251) is recommended.

Preventive Maintenance (PM) and Seal Kits

Description	Part No.
FX-15 PM Kit Complete (4 Heads)	N2911249
FX-15 Single Head Seal Kit (1 Head)	N2911221
FX-15 Heavy Duty HP Seals (1 Head)	N9308536
FX-20 PM Seal Kit (4 Heads)	N2911250



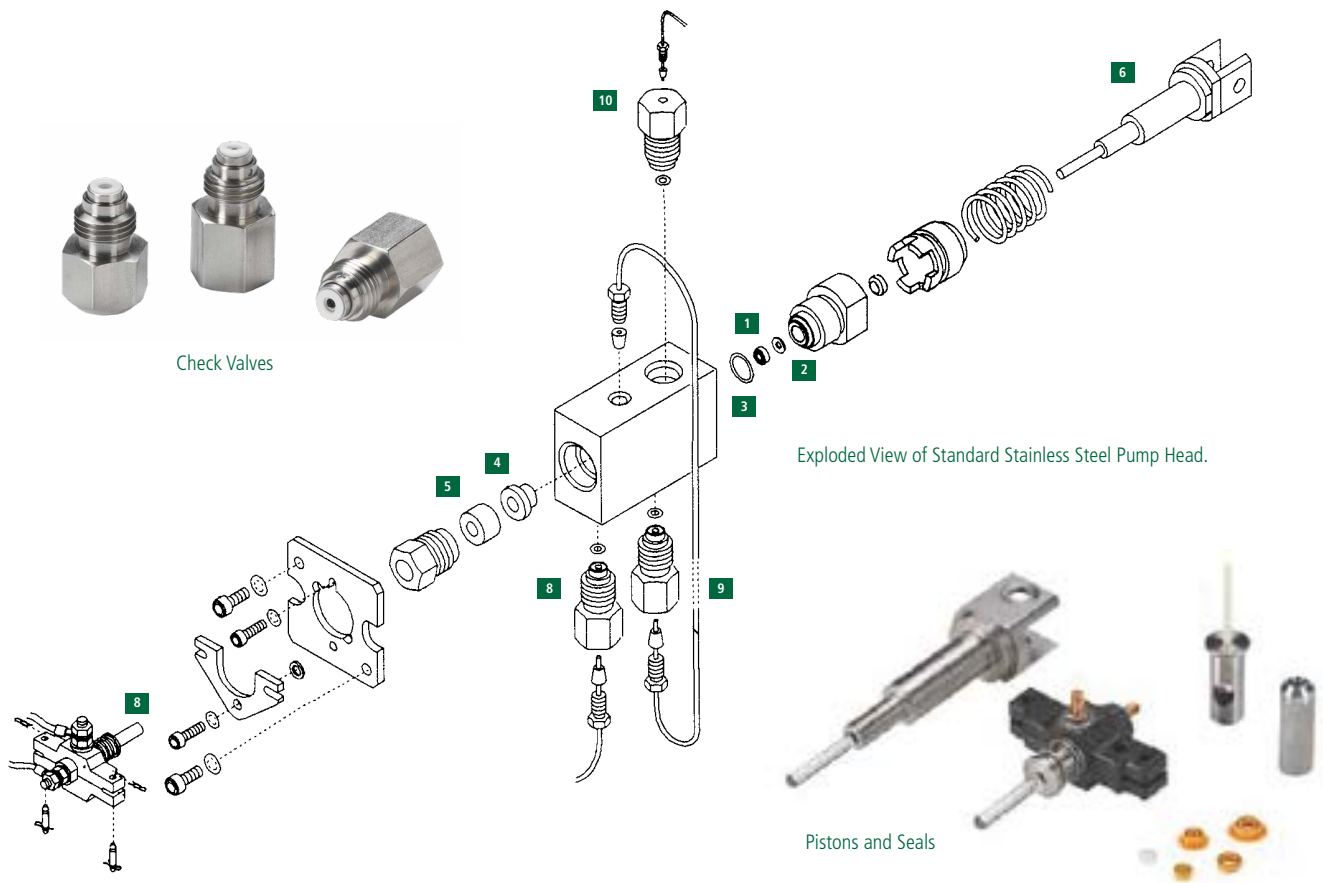
Flexar Seals, Pistons and Check Valves

Check valves, which include a sealing washer, are easy to install using the optional Torque Wrench kit. For all PerkinElmer pumps an intermediate check valve is required. The input check valve, which is identical, should be ordered.

Description	Flexar LC			FX-10
	Standard Stainless Steel Part No.	Micropump Stainless Steel Part No.	Biocompatible Titanium Part No.	Micropump Stainless Steel Part No.
1 Standard High Pressure Piston Seal	09907324	09923367 [†]	09907338	09923367 [†]
1 High Pressure Piston Seal – Chemically Resistant	09907345			
2 High Pressure Piston with Seal Backup Ring	02542076	†		†
3 High Pressure Piston Seal PTFE O-Ring	09902128	09902128	09902018	09902128
4 Low Pressure Piston Seal		09923366	09907339	09923366
5 Low Pressure Piston Seal Backup Guide Bushing	02542313	N2915006		N2915006
6 High Pressure Piston	N2600124	N2910511	N2600124	N2910511
7 Low Pressure Piston	N2600117	N2910512	N2600104	N2910512
8 Inlet Check Valve	02540177	02540177	N2600226	02540177
9 Intermediate Check Valve	02540177	02540177	N2600226	N2916052
10 Outlet check Valve	02540197	02540197	N2600192	02540154

* Refer to Users Manual for complete illustrated parts list.

† High Pressure Piston Seal Backup ring (2) is included with the Standard High Pressure Piston Seal (1).



FX-15, FX-20 UHPLC Pump Accessories

Description	Part No.
Replacement 0.5 µm Filter Frits for FX-15 (pkg. 4)	N2911224
High Pressure FX-15 Piston Seal Kit (Need 4 per FX-15)	N2911221
Piston Wash Bottle Kit	N2601616
2,500 µL Sample Syringe Starting Kit	N2930313

FX-10, FX-15 and FX-20 UHPLC System Accessories

Description	Color	Size (cm)	Part No.
ID PEEK Tubing			
0.004 in.	Black	50	N2916200
0.005 in.	Red	50	N2916056
0.004 in.	Black	76	N2916260
0.005 in.	Red	66	N2916262
Connector Tubing, Stainless Steel			
Flexar ISO/Binary/Quaternary Pump to Autosampler			N2916210
Dual Mixer Connection (≤ 250 µL)			N2916216
Dual Mixer Connection (≤ 350 µL)			N2916217
FX-10 Pump A (Upper) to T-mixer			N2916213
FX-10 Pump B (Lower) to T-mixer			N2916214
FX-10 Purge Valve to Filter/Scavenger			N2916212
FX-10 Injector to Column			N2916215
FX-10 Pump A (Upper) to Dual Mixers			N2916218
FX-10 Pump B (Lower) to Dual Mixers			N2916219
FX-15 Pump to In-line Mixer			N2916222
FX-15 Pump to Dual Mixers			N2916224
FX-15 Injector to Column, Standard			N2916223
FX-15 Injector to Column, 33 cm			N2916201
3 cm Scavenger Cartridge Holder			02580178
Spheri-5 Scavenger Columns (pkg. 5)			02580202
30 mL Priming Syringe			09904849
FX-15 C18 Scavenger Column Kit			N2910765
FX-15 C18 Scavenger Columns (pkg. 2)			02580223

Flexar Pump Solvent Upgrade Kits

The unique design of the PerkinElmer Flexar Pump allows it to easily be upgraded for additional solvent capability right in your laboratory as your needs change. Installation of the kit by a PerkinElmer Service and Support is recommended, but not included. Contact your local PerkinElmer representative for more information.

Description	Part No.
Binary to Quaternary Upgrade Kit	N2910344
Isocratic to Binary Upgrade Kit	N2910342
Isocratic to Quaternary Upgrade Kit	N2910343

Flexar SS Sample Loops

For Flexar FX UHPLC Autosampler (up to 18,000 psi operation)



Stainless Steel loops required for use with FX-10 or FX-20/FX-15 systems operating above 6,200 psi.

Description	Size	Part No.
Sample Loop, Stainless Steel	2 µL	N2936071
Sample Loop, Stainless Steel	5 µL	N2936056
Sample Loop, Stainless Steel	10 µL	N2936057
Sample Loop, Stainless Steel	20 µL	N2936058
Sample Loop, Stainless Steel	50 µL	N2936059
Sample Loop, Stainless Steel	100 µL	N2936060
Sample Loop, Stainless Steel	200 µL	N2936061
Sample Loop, Stainless Steel	500 µL	N2936062
Sample Loop, Stainless Steel	1 mL	N2936063
Sample Loop, Stainless Steel	2 mL	N2936064
Sample Loop, Stainless Steel	5 mL	N2936065

Flexar PEEK Sample Loops

Flexar LC Autosamplers (up to 6,200 psi operation)

These loops are compatible with all standard Flexar autosamplers as well as Series 225 autosamplers. PEEK loops cannot be used above 6,200 psi operation therefore are NOT compatible with standard Flexar autosamplers. Stainless steel loops required for use with FX-10 or FX-20/ FX-15 UHPLC systems operating above 6,200 psi.

Description	Size	Part No.
PEEK Sample Loop	2 µL	N2936072
PEEK Sample Loop	5 µL	N2936073
PEEK Sample Loop	10 µL	N2936074
PEEK Sample Loop	20 µL	N2936075
PEEK Sample Loop	50 µL	N2936076
PEEK Sample Loop	100 µL	N2936077
PEEK Sample Loop	250 µL	N2936078
PEEK Sample Loop	500 µL	N2936079
PEEK Sample Loop	1 mL	N2936080
PEEK Sample Loop	2 mL	N2936081
PEEK Sample Loop	5 mL	N2936082

Flexar Autosamplers

Features and Benefits

- Injects sample volumes as little as 1 µL at pressures up to 18,000 psi with the FX UHPLC Autosampler
- Loads sample in only 8 seconds (in partial fill mode)
- Three injection modes: full loop, partial fill and µL-pickup with no sample waste and excellent reproducibility
- Peltier cooling/heating mode option for operation at 4 °C to 40 °C. Will reach 4 °C ± 2 °C, achievable even at ambient temperatures up to 25 °C



All Flexar autosamplers can be upgraded in the field for Peltier cooling and heating and they all include:

- 100-sample tray
- 100 2 mL vials
- 100 2 mL screw top cap with cross slit vial septum
- Tubing to connect to waste reservoir
- I/O cable (Pump Start/Ready-In)
- Service Manager SW CD
- User's manual
- Nuts and ferrules
- All fuses for 120–240 V
- All cables required for connection to a TotalChrom or Chromera Operating Environment

Flexar Autosamplers and Upgrade Kits

Description	Part No.
Flexar LC Autosampler	
High throughput autosampler with exceptionally low carryover. Operates up to 6,100 psi (420 bar). Provides flexible injection modes: full-loop, partial-fill and µL-Pickup (no sample waste). Peltier cooling and heating options available as field upgrades. Comes standard with 100 µL loop and 250 µL sample flush syringe	N2930660
Flexar Peltier LC Autosampler	
High throughput autosampler with exceptionally low carryover. Operates up to 6,100 psi (420 bar). Provides flexible injection modes: full-loop, partial-fill and µL-Pickup (no sample waste). Built-in Peltier cooling comes standard. Peltier heating option available as field upgrade. Comes standard with 100 µL loop and 250 µL sample flush syringe	N2930661
Flexar FX UHPLC Autosampler	
High throughput UHPLC autosampler with exceptionally low carryover. Operates up to 18,000 psi (1,241 bar). Provides flexible injection modes: full-loop, partial-fill and µL-Pickup (no sample waste). Built-in Peltier cooling comes standard. Peltier heating option available as field upgrade. Comes standard with 10 µL loop and 250 µL sample flush syringe	N2930664
Field Upgrade Peltier Kits	
Flexar and Series 225 Upgrade Kit (from standard to Peltier Cooling option)	N2930672
Flexar and Series 225 Upgrade Kit (from standard to Peltier Cooling and Heating option)	N2930673
Flexar and Series 225 Upgrade Kit (from Peltier Cooling to Peltier Cooling and Heating option)	N2930669

Flexar Autosampler Trays and Accessories

Description	Part No.
25-Position 6 mL Vial Sample Tray	N2936045
80-Position 2 mL Vial plus (5) 6 mL Vial Tray (for derivatization)	N2936046
80-Position 2 mL Vial Tray with Dilution Tray	N2930676
96-Well Microtiter Adapter	N9302562
96-Well 'Deep-well' Microtiter Adapter	N9302560
96-Well 7 mm Pre-slit Silicone Plate Mat/Seal	N9302555
96-Well 'Deep' Microtiter Plate Adaptor (Supports Dual Microtiter Plates)	N2936048
96-Well 'Shallow' Microtiter Plate Adaptor (Supports Dual Microtiter Plates)	N2936049
384-Well Microtiter Adapter	N2936050
100-Position 2 mL Vial Sample Tray	N2936042
(200) 0.2 mL Microvial plus (5) 2 mL Vial Tray	N2936043
250 µL Syringe Tip Replacements (pkg. 10)	N2936003
Flexar/225 Biocompatible Upgrade Kit (w/ valve)	N2930675
1/16 in. OD x 0.038 in. ID PTFE Tubing (AS Transfer Line)	02506495

Flexar Autosampler Valve Maintenance Parts

Description	Flexar LC (6000 psi) Part No.	Flexar UHPLC (18000 psi) Part No.
Rotor Seal	N2936021	N2932001
Stator	N2936022	N2932002

Description	Part No.
Flexar UHPLC (18000 psi) Autosampler Valve Upgrade Kit	N2936023
Flexar Analytical LC (6000 psi) Autosampler Valve	N2936020

Peltier Tray Accessories

100-Position Peltier Temperature-Controlled Tray Accessory

100 standard 2 mL vials. Temperature controlled from 4 – 60 °C within ± 1 °C directly from Autosampler keypad – or from TotalChrom Workstation – Client/Server.

Description	Part No.
100-Position Peltier Temperature-Controlled Tray Accessory	N2930035

Peltier Temperature Controller



Controller Unit required for operation of either 100-position or Double Microtiter Peltier trays.

Description	Part No.
Peltier Temperature Controller	N2930036
100-Position Peltier Temperature-Controlled Tray Accessory	N2930035

High Pressure Analytical Static Mixers

Static Mixers are important in facilitating complete mobile phase blending, resulting in improved retention performance. These mixers should be used as part of FX10, or FX15 LC systems, where high pressure blending is required. Mixers incorporate a highly efficient cross-flow shearing mechanism which produces vortex shear mixing over a wide range of volumes. They are now offered in 18,000 psi pressure max flavor.

A good first choice selection is a volume of about half the flow rate volume. For example, when pumping at a 0.5 mL/min flow rate, a 350 μ L mixer provides good mixing with very good baseline stability.

Description	Part No.
50 μ L In-Line High Pressure Mixer Assembly, Stainless Steel	N2911200
150 μ L In-Line High Pressure Mixer Assembly, Stainless Steel	N2911201
250 μ L In-Line High Pressure Mixer Assembly, Stainless Steel	N2911202
350 μ L In-Line High Pressure Mixer Assembly, Stainless Steel	N2911205
500 μ L In-Line High Pressure Mixer Assembly, Stainless Steel	N2911203
Binary High Pressure T-Mixer, Stainless Steel, 50 μ L	N2911212
Binary High Pressure T-Mixer, Stainless Steel, 350 μ L	N2911210
Binary High Pressure T-Mixer, Stainless Steel, 500 μ L	N2911211
T-connector, Stainless Steel	N2911127

LX-50 INSTRUMENT SPARES

LX-50 Instrument Spares

The PerkinElmer QSight® LX50 UHPLC system is the perfect complement to our QSight LC/MS/MS platform. Featuring a high precision autosampler, an advanced UHPLC solvent delivery module and a flexible column temperature module, the QSight LX50 UHPLC delivers the performance required for even the most demanding analyzes.



QSight LX50 Precision Sampling Module

Description	Part No.
Valco Ferrule, 1/16" (pkg. 10)	N2992100
Valco Nut, 1/16" (pkg. 10)	N2992101
Sample Needle, Stainless Steel	N2992102
7 µL Sample Needle, PEEKsil	N2992103
500 µL Tefzel Buffer Tubing	N2992104
200 µL Tefzel Buffer Tubing	N2992105
QSight Valve Rotor Seal for UHPLC Injection Valve	N2992107
Nut, 1/16" for Collapsible Ferrule	N2992108
Collapsible Ferrule	N2992109
100 µL Syringe with Metal Screw Connection	N2992110
250 µL Syringe with Metal Screw Connection	N2992111
200 µL Stainless Steel Valco Loop	N2936061
10 µL Stainless Steel Valco Loop	N2936057
20 µL Stainless Steel Valco Loop	N2936058
50 µL Stainless Steel Valco Loop	N2936059
Peek One-Piece Hex-Head Nut	N2992117
Two Plate Carrier Sample Tray	N2992122
Standard Vial Tray, 108 Positions	N2992123

QSight LX50 Solvent Delivery Module

Description	Part No.
Seal Replacement Tool	N2991100
Hastelloy Steel Tubing, 1/16" Pump-to-Pump	N2991101
Stainless Steel Tubing, 1/16" Valve-to-Purge Pump A	N2991102
Stainless Steel Tubing, 1/16" Valve-to-Mixer	N2991103
Stainless Steel Tubing, 1/16" Valve-to-Purge Pump B	N2991104
Hastelloy Steel Tubing, 1/16" Pump A-to-Valve	N2991105
Hastelloy Steel Tubing, 1/16" Pump B-to-Valve	N2991106
Piston Cartridge Replacement Kit	N2991107
Flangless Nut + Ferrule, Brown, 1/8" (pkg. 10)	N2991108
Flangless Nut+Ferrule, Black, 1/8" (pkg. 10)	N2991109
Flangless Nut+Ferrule, 1/16" (pkg. 10)	N2991110
High Pressure Seal	N2991111
Check Valve Cartridge, Single	N2991112
Outlet Filter, 2 µm	N2991113
PM Kit Pump, 120 Liters or Yearly	N2991114
PM Kit Pump, 60 Liters	N2991115
Inlet Check Valve Housing Assembly	N2991120
Outlet Check Valve Housing Assembly	N2991121
Rotor Seal, Purge Valve 20.000psi	N2991128
Lubrication Kit	N2991136

QSight LX50 Column Temperature Module

Description	Part No.
Rotor Seal for Selection Valve	N2993109
Stainless Plug, 1/16"	N2993112

QSight LC/MS/MS Instrument Spares



PerkinElmer's QSight™ LC/MS/MS provides a high sensitivity triple quadrupole solution that enables high levels of efficiency and productivity to meet both standard and regulatory requirements.

Features and Benefits

- Self-cleaning StayClean™ technology
- Dual-source ion probes for flexible method development
- Easy-to-use and learn Simplicity™ software to streamline workflow

Ion Source Accessories

Description	Part No.
Additional ESI Probe	BC001283F
Additional APCI Probe	BC002312F
ESI Source Needle	BC004866F
APCI Source Needle	BC004868F

Tuning Solutions

Description	Part No.
100-200 Series Tuning Solution	BC004850
LC Infusion Kit	BC002931

Uninterruptable Power Supply Systems

With the Security Plus Series, you get much more protection and a higher comfort level than you get with most other UPS systems. The Security Plus Series also provides complete power conditioning and, because the Security Plus Series features on-line inverter design, added peace of mind. Regardless of input fluctuations, the Security Plus Series ensures that the output remains continuous and regulated.

Description	Part No.
QSight UPS System	N9306749

Noise Enclosure and Reduction Cover

Laboratories can be loud and noise in labs is distracting, stressful and potentially harmful to your hearing. While noise in labs may not be frequently talked about, it is something you should be concerned with.

Noise enclosure for SC40 and reduces perceived operator noise level by approximately 4 to 5 dB (A) Fits on **MZ321147**.



Description	Part No.	Depth (in./cm)	Width (in./cm)	Height (in./cm)	Height with Oil Tray (in./cm)	Enclosure Weight (lbs/kg)	Oil Tray Weight (lbs/kg)
Noise Enclosure Including Dolly	MZ321146	29.15/74	16.75/42.5	23.25/59	26.97/68.5	30.8/14	16.75/8

Genius Gas Generators

With curated and dedicated gas solutions for PerkinElmer, PEAK Scientific has developed optimal performing gas generators for your lab. The generators are engineered for your instrument to deliver the consistent flow and purity you demand, at the push of a button. If you're looking for a gas generator that you can rely on, is cost efficient, and highly efficient in streamlining your workflow – look no further than PEAK. With training and certification from PEAK, our PerkinElmer engineers are prepared for available services from installation, preventative maintenance, and general needs, we've got you covered worldwide. With us, you can be assured your lab is running smoothly – day to day, analysis to analysis.

Genius XE QSD

Nitrogen and Air Generator for PerkinElmer QSight® Dual Source LC/MS/MS

Advanced technology coupled with robust features, Genius XE QSD provides a quality standalone nitrogen solution custom designed to meet the requirements of our QSight Dual Source LC/MS/MS.



Featuring dual outlets (nitrogen and air), the generator was built to reduce size, noise, and heat emissions. Genius XE QSD has been tested and validated by our trusted engineers for use with the QSight and accompanied by factory pre-set pressures which allows for flows to meet the precise demands of our system.

Features and Benefits

- Multi-Stage Drying Filtration to efficiently remove moisture and contaminants, providing a consistent quality of gas
- Low environmental lab impact with low noise and heat emissions
- Next-generation high performance premium compressors
- Intuitive LED Service Indication
- ECO (Electronic Compressor Optimisation™) technology for low energy consumption and compressor durability
- Fixed annual maintenance schedule
- One year manufacturer's warranty

Description	Genius XE QSD
Part Number	N2800014
Nitrogen Maximum Flow	16 L/min @ 5.52 bar (0.57 cfm @ 80 psi)
Air Maximum Flow	67 L/min @ 7.58 bar (2.37 cfm @ 110 psi)
Dewpoint	Nitrogen ≤ -40 °C Dry Air ≤ -20 °C
Gas Outlets	2 x ¼" BSPP
Drain Outlet	1 x ¼" BSPP
Particles	<0.01 µm
Phthalates	None
Suspended Liquids	None
Operating Temperature	15 °C (59 °F) to 30 °C (86 °F)
Electrical Requirements	220-240 V ± 10% 50/60 Hz
Power Consumption	1.64 kVA
Heat Output	<5545 BTU
Noise Level	57dB(A) @ 1 m
Dimensions (HxWxD)	700 x 570 x 897 mm 27.6 x 22.5 x 35.4 in.
Weight	153 kg

Genius 1025

Nitrogen and Air Generator for PerkinElmer Instrumentation

With up to 15 L/min of LC/MS grade nitrogen and up to 35 L/min of air being produced in a single output, the Genius 1025 was specifically designed to meet the requirements of our QSight Triple Quad 110 and 210 Single Source LC/MS/MS systems.



This gas generator was outfitted using membrane technology to produce LC/MS grade purity and an internal air dryer to be an all-in-one solution.

Features and Benefits

- Self-contained solution with integrated compressors so no need for an external air supply
- Economical and efficient source of nitrogen/dry air with low lifetime running costs
- Easy to use – gas at the push of a button
- One year on-site warranty

Description	Genius 1025
Part Number	N2800012
Maximum Flow	Up to 15 L/min Nitrogen and up to 35 L/min Dry Air
Min/Max Pressure	Up to 80 psi Nitrogen and up to 110 psi Dry Air
Gas Outlets	2 x ¼" BSPP
Maximum Relative Humidity	80% Non-Condensing
Maximum Altitude	2000 m
Particles	<0.01 µm
Phthalates	None
Suspended Liquids	None
Operating Temperature	5 °C (41 °F) to 30 °C (86 °F)
Electrical Requirements	230 V ± 10% 50/60 Hz 7A
Power Consumption	<1,265 VA
Heat Output	3,925 BTU/Hr
Noise Level	57dB(A) @ 1m
Dimensions (HxWxD)	713 x 600 x 750 mm 28.1 x 23.7 x 29.6 in.
Weight	108.5 kg / 239.3 lbs
Shipping Weight	137 kg / 302.1 lbs

Ultra Clean Gas Filters and Kits for LC/MS

To meet the high flow needs of the LC/MS system, the hydrocarbon or moisture filled cartridges are positioned and placed in parallel. The incoming gas stream is split equally between the cartridges and the two streams are re-joined after purification but before the gas exits the base plate. Get up and running with speed and benefit from increased sensitivity by removing unwanted moisture and hydrocarbons.

Ultra-High Capacity Hydrocarbon Filter Bundle

Up to 20 L/min of hydrocarbon-free nitrogen per minute.



Capacity	
HC	24 g (as <i>n</i> -butane)
Description	Specification
Outlet Gas Quality (%)	> 99.9999
Maximum Pressure	11 bar (160 psi)
Maximum Flow	20 L/min
Usable For	Nitrogen
Dimensions	24 cm x Ø 4.4 cm
Weight	0.26 Kg
Estimated Lifetime	3 to 6 months
Part No.	N9306823

Ultra-High Capacity Moisture Filter Bundle

High Flow moisture filters are ideal for central purifying solutions.



Moisture in carrier gas

lines will prematurely degrade oxygen and hydrocarbon traps and increase detector noise. As a precaution, we highly recommend installing a moisture trap before the hydrocarbon and oxygen traps on all carrier gas lines.

Capacity	
H ₂ O	14.4 g
Description	Specification
Outlet Gas Quality (%)	> 99.9999
Maximum Pressure	11 bar (160 psi)
Maximum Flow	20 L/min
Usable For	Inert carrier gas, He, H ₂ , N ₂ , Ar, Air
Dimensions	24 cm x Ø 4.4 cm
Weight	0.26 Kg
Estimated Lifetime	3 to 6 months
Part No.	N9306824

Ultra Clean Filter Kits for LC/MS



Description	Qty.	Part No.
Ultra Clean 2 High Flow Hydrocarbon Filter Kit – 1/4 in. Brass: Includes (1) 2 position high flow base plate with 1/4 in. Brass inlet/outlet fittings, (2) High Flow Hydrocarbon Traps, and a 1/4 in. Brass Particle Filter	Kit	N9306840
Ultra Clean 2 High Flow Hydrocarbon Filter Kit – 1/4 in. Stainless Steel: Includes (1) 2 position high flow base plate with 1/4 in. Stainless Steel inlet/outlet fittings, (2) High Flow Hydrocarbon Traps, and a 1/4 in. Brass Particle Filter	Kit	N9306841

Ultra Clean Filter Base Plates for LC/MS



Description	Qty.	Part No.
Ultra Clean Base Plate 1 Position – 1/4 in. Brass	1	N9306800
Ultra Clean Base Plate 1 Position – 1/8 in. Brass	1	N9306801
Ultra Clean Base Plate 1 Position – 1/4 in. Stainless Steel	1	N9306802
Ultra Clean Base Plate 1 Position – 1/8 in. Stainless Steel	1	N9306803
Ultra Clean Base Plate 2 Position – 1/4 in. Brass	1	N9306804
Ultra Clean Base Plate 2 Position – 1/8 in. Brass	1	N9306805
Ultra Clean Base Plate 2 Position – 1/4 in. Stainless Steel	1	N9306806
Ultra Clean Base Plate 2 Position – 1/8 in. Stainless Steel	1	N9306807
Ultra Clean Base Plate 3 Position – 1/4 in. Brass	1	N9306810
Ultra Clean Base Plate 3 Position – 1/8 in. Brass	1	N9306811
Ultra Clean Base Plate 3 Position – 1/4 in. Stainless Steel	1	N9306812
Ultra Clean Base Plate 3 Position – 1/8 in. Stainless Steel	1	N9306813

QSIGHT LC/MS CONSUMABLES

Replacement Filter Bundles for LC/MS

Description	Qty.	Part No.
Ultra Clean High Flow Hydrocarbon Filter Bundle: Includes (2) High Flow Hydrocarbon Filters	1 Bundle of 2 Cartridges	N9306823
Ultra Clean High Flow Moisture Filter Bundle: Includes (2) High Flow Moisture Filters	1 Bundle of 2 Cartridges	N9306824

Ultra Clean Replacement Individual Cartridge Filters for LC and LC/MS

Description	Qty.	Part No.
Ultra Clean Moisture Filter	1	N9306814
Ultra Clean Oxygen Filter	1	N9306815
Ultra Clean Hydrocarbon Filter	1	N9306816
Ultra Clean Combi (Hydrocarbon/Moisture) Filter	1	N9306818
Ultra Clean Triple (Oxygen/Moisture/Hydrocarbon) Filter	1	N9306819
Ultra Clean Triple (Oxygen/Moisture/Hydrocarbon) Helium-specific Filter	1	N9306820
Ultra Clean Triple (Oxygen/Moisture/Hydrocarbon) Hydrogen-specific Filter	1	N9306822

Base Plates

Ultra Clean High Flow Base Plates for LC/MS



Description	Qty.	Part No.
Ultra Clean High Flow Base Plate 2 Position – 1/4 in. Brass: Includes 1/4 in. Stainless Steel Particle Filter	1	N9306808
Ultra Clean High Flow Base Plate 2 Position – 1/4 in. Brass: Includes 1/4 in. Stainless Steel Particle Filter	1	N9306809

Accessories

Particle Filter for LC/MS



Description	Qty.	Part No.
Ultra Clean 0.5 Micron Particle Filter – 1/4 in. Brass	1	N9306856
Ultra Clean 0.5 Micron Particle Filter Cup Replacement Pack	12	N9306857

Ultra Clean Base Plate Fittings for LC/MS



Description	Qty.	Part No.
Ultra Clean High Flow Connector Set – 1/4 in. Brass	6	N9306850
Ultra Clean High Flow Connector Set – 1/4 in. Stainless Steel	6	N9306851

Ultra Clean Base Plate Flush Cap Replacement Set for LC/MS



Description	Qty.	Part No.
Ultra Clean High Flow Flush Cap Replacement Set	2	N9306853

Wall Mounting Bracket for All Cartridge Base Plates



Description	Qty.	Part No.
Ultra Clean Wall-Mounting Bracket Set	1	N9306855

Replacement O-Rings for All Cartridge Base Plates



Description	Qty.	Part No.
Ultra Clean Base Plate O-Ring Replacement Set	20	N9306854

Series 200/785A and Series 200 EP Flow Cells

These flowcells provide the highest detection limits possible for your sample. The 6 mm pathlength flowcell has been optimized for lower-dispersion LC analysis and is the perfect choice when using narrowbore, 2.1 mm or microbore, 1 mm columns. The 3 mm pathlength is the choice for semiprep LC to avoid detector saturation at high-solute concentrations.

UV/Vis and PDA Flowcells and Assemblies

Description	Size	Part No.
Flowcells for 785A and Series 200 UV/Vis Detectors		
Flowcell	8 mm x 12 µL	29000542
Flowcells for Series 275 PDA Detectors		
Flowcell Assembly (Dual-Lensed)	6 mm x 2.4 µL	N2920166
Flowcells for Series 200EP PDA Detectors		
Flowcell	10 mm x 15 µL	N2920126
Flowcell Assembly	10 mm x 15 µL	N2920160
Flowcells for Series 200 PDA Detectors		
Flowcell	10 mm x 12 µL	N2922107

Series 200 Pump Seal Kits

Description	Part No.
Series 200 Standard Pressure Piston Seal Replacement Kit Includes: Seals (4), Backup Rings and O-Rings	N2910383
Micropump Piston Seal Replacement Kit Includes: Seals and O-Rings	N2910384

Series 200 Detector Lamps

Our extensive quality control and inspection process demands the very best quality sources. Choosing a PerkinElmer deuterium, tungsten or xenon source provides outstanding ultraviolet and true visible performance.



Series 200/200 EP
Photo Diode Array Detector Lamp

- Exceptional performance anywhere in the detector's 190 – 700 nm wavelength range
- Lamp changes are quick and easy due to a unique self-aligning lamp mount

UV/VIS Detector Lamps

Description	Part No.
Series 200/200a, 785A UV/VIS Detector Lamps	
Deuterium Lamp	N2920149
Tungsten Lamp	N2920146
LC-295 UV/VIS Detector Lamps	
Deuterium Lamp	02712266

Refractive Index Detector Lamps

The Flexar Series 200/200a Refractive Index lamps, with its deflection-type design, allows sensitive detection of these compounds with low noise and drift characteristics.

Description	Part No.
Series 200/200a	
Refraction Index (RI) Lamp	02712273

Photo Diode Array Detector Lamps

The Series 200/200a EP Photo Diode Array Detector provides true UV/VIS detection and high resolution spectral data. The excellent signal-to-noise characteristics make it ideally suited for low-volume or low concentration samples.

Components	Part No.
Series 200/200a EP	
Deuterium Lamp (PDA)	N2925030
Deuterium Lamp (PDA Plus)	09290900
Tungsten Lamp	N2922011
Series 200/200a	
Deuterium Lamp	N2922046
Tungsten Lamp	N2922011
LC-135C/235	
Detector Lamp	N2351285

Fluorescence Detector Lamps

The major benefit afforded by fluorescence detection is the inherent high sensitivity of the technique coupled with outstanding specificity. The Series 200a Fluorescence Detector provides signal to noise ratio of >700:1 from trace analysis using a 150 W xenon source.

Components	Part No.
Series 200/200a	
Xenon Lamp	N2922082
Festoon Lamp	04969486

SERIES 200 INSTRUMENT SPARES

Series 200 Seals, Pistons and Check Valves

Check valves, which include a sealing washer, are easy to install using the optional Torque Wrench kit. For all PerkinElmer pumps an intermediate check valve is required. The input check valve, which is identical, should be ordered.

Description	Series 200 (6000 psi)		Biocompatible Titanium Part No.
	Standard Stainless Steel Part No.	Micropump Stainless Steel Part No.	
1 Standard High Pressure Piston Seal	09907324	09923367 [†]	09907338
1 High Pressure Piston Seal – Chemically Resistant	09907345		
2 High Pressure Piston with Seal Backup Ring	02542076	†	
3 High Pressure Piston Seal PTFE O-Ring	09902128	09902128	09902018
4 Low Pressure Piston Seal		09923366	09907339
5 Low Pressure Piston Seal Backup Guide Bushing	02542313	N2915006	
6 High Pressure Piston	N2600124	N2910511	N2600124
7 Low Pressure Piston	N2600104	N2910512	N2600104
8 Inlet Check Valve	02540177	02540177	N2600226
9 Intermediate Check Valve	02540177	02540177	N2600226
10 Outlet check Valve	02540197	02540197	N2600192

* Refer to Users Manual for complete illustrated parts list.

[†] High Pressure Piston Seal Backup ring (2) is included with the Standard High Pressure Piston Seal (1). Refer to page 62 for exploded diagram details.

Series 200 Maintenance Kits and Tools

Description	Part No.
Biocompatible Piston Seal Replacement Kit Includes: Four Seals, Backup Rings, and O-Rings	N2910385
Piston Seal Replacement Kit Includes: Four Seals, Backup Rings, and O-Rings	N2910383
Pulse Compensator Repair Kit Includes: Diaphragm, Elastomer Plug, and Seal	N2600313
Series 200 Pump Maintenance Kit Includes: Fuses, Seals, O-Rings, and Seal Tools	N2910345
Micropump Piston Seal Replacement Kit	N2910384
Check Valve Torque Wrench	02540871
Seal Removal Tool	N2601295
Insertion Tool	N2601503

Series 200 PEEK Sample Loops

For Series 200/225 LC Autosamplers (up to 6,200 psi operation)

These loops are compatible with all standard Series 225 autosamplers. PEEK loops cannot be used above 6,200 psi operation therefore are NOT compatible with standard Flexar autosamplers.

Description	Size	Part No.
PEEK Sample Loop	2 µL	N2936072
PEEK Sample Loop	5 µL	N2936073
PEEK Sample Loop	10 µL	N2936074
PEEK Sample Loop	20 µL	N2936075
PEEK Sample Loop	50 µL	N2936076
PEEK Sample Loop	100 µL	N2936077
PEEK Sample Loop	250 µL	N2936078
PEEK Sample Loop	500 µL	N2936079
PEEK Sample Loop	1 mL	N2936080
PEEK Sample Loop	2 mL	N2936081
PEEK Sample Loop	5 mL	N2936082

Rheodyne Valves

Bio Injection Valve

Model 9725 is inert and well-suited to the chromatography of biological molecules, including applications with aggressive mobile phases. This valve is useful in all applications in which metal contact with the mobile phase and or sample should be avoided. This valve uses PEEK vent lines and a PTFE rotor seal and can be operated in a pH range from 0 – 14.

Description	Part No.
9725 Injection Valve for Series 200 Autosampler	N9306020

Rheodyne™ 8125 Low-Dispersion Stainless Steel Injection Valve

Ideal for use in an LC/MS system, the model 8125 is designed for 1 and 2 mm microbore columns and can also be used with conventional analytical (3 to 5 mm) columns. Small flow passages produce low dispersion, maintaining the high mass sensitivity inherent in micro columns.

Description	Part No.
8125 Low-Dispersion Stainless Steel Injection Valve	N9306021

Rheodyne™ 7725 Analytical Injection Valve

Inject from 1 µL to 5 mL with high accuracy and precision, with the Rheodyne 7725 and 7725i valves. Rheodyne 7725 and 7725i valves are versatile injectors and can use both partial-filling and complete-filling methods for loading the sample loop. Wide port angles of the 7725/7725i valve provide improved access to fittings. Sample loop with a 2 µL internal capacity is also available. In a clean system, the 7725/7725i typically can make more than 30,000 injections before requiring replacement of the rotor seal.

Description	Part No.
7725 Injection Valve for Series 200 Autosampler	N9306019
7725i Injection Valve with Internal Switch	N9306017

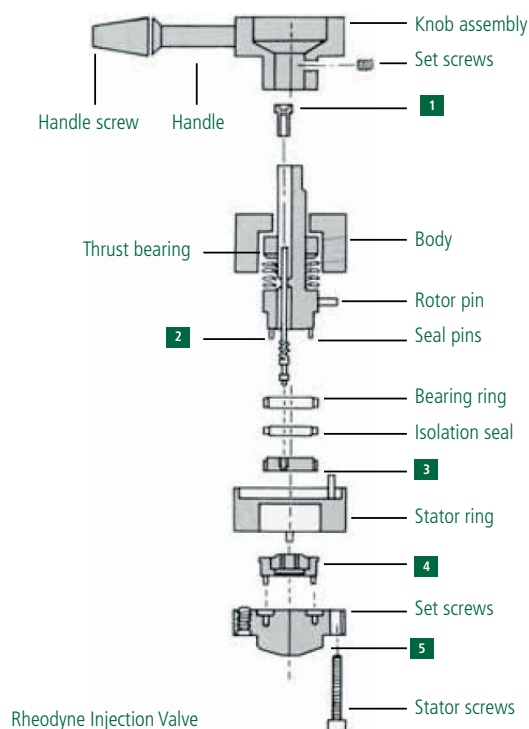
Microsyringes (For Manual Injection)

Syringes are used for accurate and precise liquid delivery. Each syringe is hand-fitted to assure maximum accuracy. Our syringes are composed of glass barrels and precision stainless steel needles. The needle features a blunt tip, required for use with a Rheodyne injector.

Description	Part No.
10 µL Syringe	09904937
25 µL Syringe	09904823
50 µL Syringe	09904941
100 µL Syringe	09904822
Rheodyne 22-Gauge Blunt Needle with Luer Hub	09904943

Rheodyne Valves Spare Parts

Description	Model 9725 Part No.	Model 7725 Part No.
1 Needle Guide S200 Autosampler Manual Valve ISS-100	N2931054 09904800	N2931054 09904800
2 Needle Port Tube	09904805	09904805
3 Rotor Seal Vespel Tefzel PEEK	09904802 N9302677 N9306044	09904802 N9302677 N9306044
4 Stator Face Assembly PEEK and Ceramic	N9306047	N9306047
5 Stator PEEK Stainless Steel Titanium	N9306046	N9306045



PEEK Sample Loops for Rheodyne Valves

PEEK Sample Loops avoid many of the problems associated with stainless steel sample loops. Metal loops will often absorb sample components resulting in inaccurate quantitative results. In addition, metal loops may be corroded by high-salt buffers and chloride salts. Sample Loops are made from PEEK tubing and fittings. PEEK (Poly-Ether-Ether-Ketone) is a mechanically strong, chemically inert polymer ideal for HPLC applications where metal surfaces may interact with mobile phase or sample components. Each Sample Loop is supplied with two PEEK hex-head nuts and ferrules. These fittings grip the tubing in two locations for a more reliable connection.

Description	Model 9725 Part No.
5 µL PEEK Sample Loop	N9306033
10 µL PEEK Sample Loop	N9306034
20 µL PEEK Sample Loop	N9306035
50 µL PEEK Sample Loop	N9306036
100 µL PEEK Sample Loop	N9306037
200 µL PEEK Sample Loop	N9306038
500 µL PEEK Sample Loop	N9306039
1 mL PEEK Sample Loop	N9306040
2 mL PEEK Sample Loop	N9306041
5 mL PEEK Sample Loop	N9306042



Injector Valve Rotor Seals for both Series 200 Autosampler and Manual Injectors

For both the Rheodyne and Flom valves, rotor seals should be periodically replaced every 6 months to a year and are available in PEEK. For the Rheodyne valve, they are also available in Vespel. PEEK is more inert towards amines and other basic biomolecules/pharmaceuticals, exhibiting less sample carryover. However, Vespel is more resilient than PEEK, providing better wear life.

Description	Part No.
Flom Rotor Seal PEEK N9306068	00890873
Rheodyne 7725 Vespel Rotor Seal	09904802
Rheodyne 8125 Vespel Rotor Seal	10070900
Rheodyne 7725/9725 PEEK Rotor Seal	N9306044

Stainless Steel Sample Loops for 7725 Valve

Description	Model 7725 Part No.
5 µL Stainless Steel Sample Loop	N9306023
10 µL Stainless Steel Sample Loop	N9306024
20 µL Stainless Steel Sample Loop	N9306025
50 µL Stainless Steel Sample Loop	N9306026
100 µL Stainless Steel Sample Loop	N9306027
200 µL Stainless Steel Sample Loop	N9306028
500 µL Stainless Steel Sample Loop	N9306029
1 mL Stainless Steel Sample Loop	N9306030
2 mL Stainless Steel Sample Loop	N9306031
5 mL Stainless Steel Sample Loop	N9306032

Note: Loops are compatible with both manual valves and Series 200 Autosampler valves.

Internal Loop for 7725/9725 Valves

Description	Part No.
2 µL (PEEK and Ceramic)	N9306022

Solvent Sparger and Solvent Filters

Solvent filters remove unwanted particulate matter from the LC instrument. Spargers connect directly to the solvent delivery line and are easily removed for cleaning. The scavenger column is ideal for eliminating particulate material from solvents.



Solvent Filters

Solvent Spargers, Filters and Scavengers

Description	Size	Part No.
Solvent Reservoir Sparger		
Stainless Steel	10 µm	09903610
Titanium	10 µm	N2600070
Stainless Steel	40 µm	09903615
Titanium	40 µm	N2600089
Solvent Filters/Scavengers		
In-Line Solvent Filter System		09903606
In-Line Solvent Filter Replacement Kit		02540311
In-Line Solvent Filter System, Titanium		N2600259
Replacement 2 µm Titanium Filter Element		N2601477
Replacement Seal for In-Line Solvent Filter		N2601262
3 cm Scavenger Cartridge Holder		02580178
Spheri-5 C18 10 µm Scavenger Column (pkg. 5)		02580202
LC System Accessories		
Solvent Waste Cup		N2916019
Drain Cup		N2916085
90° Elbow Adapter, 1/4 in. ID HDPP		09220102
Tubing Clip (U-shaped, Polypropylene)		NX598006
Polypro Elbow Barbs		09220102
Large ID (11 mm) Silicone Tubing (5 ft)		N2916016
Manual Injector Bracket (Magnetic Clip-on)		N2931275

Pulse Compensators

The pulse compensator combines high-efficiency pulse smoothing with a low void volume. A Teflon diaphragm separates a reservoir filled by an RTV elastomer plug. Normal use will necessitate the eventual replacement of the diaphragm.

Description	Part No.
Diaphragm for Pulse Compensator	N2601316
Pulse Compensator Repair Kit Includes: Diaphragm, Elastomer Plug, and Seal	N2601313

Tubing

Tubing Accessories

Clean-Cut™ tubing tool is designed to cut PTFE, Tefzel® and polymers in general but, in particular, PEEK tubing. A unique safety locking mechanism secures the blade when not in use.



Description	Part No.
Clean-Cut Tubing Cutter	ED020015
Clean-Cut Tubing Replacement Blade	ED020016
Cable/Tubing clip (U-Shaped)	NX598006
Stick-on Tubing Organizer (Gray Plastic)	NX598006

PEEK Tubing

PEEK tubing has the strength required to withstand continuous use at HPLC pressure without swelling or bursting. Use PEEK with virtually any organic or inorganic liquid. PEEK tubing is not affected by halide salts, high-strength buffers or other aggressive mobile phases that degrade stainless steel.

Description	Size	Part No.
1/16 in. OD x 0.007 in. ID	5 ft	N9302678
1/16 in. OD x 0.010 in. ID	5 ft	N9302650
1/16 in. OD x 0.004 in. ID (Black)	50 cm	N2916200
1/16 in. OD x 0.005 in. ID (Red)	50 cm	N2916059
Connector Tubing, Flexar/FX Mixer to Injector, Stainless Steel		N2916211
Connector Tubing, Flexar ISO/Binary/Quaternary Pump to Autosampler, Stainless Steel		N2916210

Stainless Steel Tubing

Tubing is pre-cut and mirror-polished in 316 stainless steel.

SS-316 Tubing

Description	Size	Part No.
1/16 in. OD x 0.043 in. ID	6 ft	00873035
1/16 in. OD x 0.015 in. ID	6 ft	00873036
1/16 in. OD x 0.007 in. ID	3 ft	02540838
1/16 in. OD x 0.007 in. ID	20 cm	02711441
1/16 in. OD x 0.007 in. ID	50 cm	00891480

Tefzel Tubing

Description	Size	Part No.
1/16 in. OD x 0.030 in. ID	10 ft	N9301029

Fittings and Ferrules

High-Performance Fingertight Fittings

This PEEK Fingertight® fitting is the toughest with regard to chemical resistance and pressure. This high-performance Fingertight fitting is recommended for the most demanding applications and will resist pressures up to 6,000 psi (400 bar). Made from a single piece of PEEK, the size permits tightening without tools.



Description	Part No.
PEEK One-Piece Fingertight® Fitting	ED020005

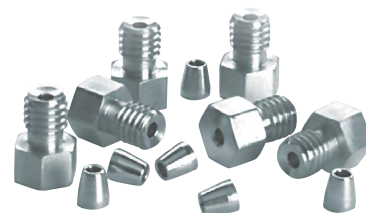
Fittings, Nuts and Ferrules

Stainless steel nuts are available in both Parker-Hannifin and Rheodyne™ formats. The nuts are used to connect 1/16 in. OD stainless steel tubing and feature a 10 – 32 thread size. PerkinElmer also offers select SSI fittings for 1/16 in. OD tubing in 1/4 – 28 thread size.

Stainless Steel Fittings

Description	Part No.
Kel-F Reverse Ferrule, 1/8 in.*	09903771
Kel-F Ferrule, 1/16 in.*	09920382
Tefzel Nut, 1/16 in.*	09920381
Parker-Hannifin Ferrule, 1/16 in.	00873032
Parker-Hannifin Nut, 1/16 in.	09903980
Parker-Hannifin Nut and Ferrule Kit, 1/16 in. Includes: 6 Nuts and 6 Ferrules	00890945
Parker-Hannifin Zero-Dead-Volume Union with Nuts and Ferrules	09903289
Parker-Hannifin Medium-Stem Stainless Steel Nut	N2916202
Rheodyne™ Ferrule, 1/16 in.	09904947
Rheodyne™ Nut, 1/16 in. Long Body	09904974
Rheodyne™ Nut, 1/16 in. Short Body	09904956
Rheodyne™ Nut and Ferrule Kit, 1/16 in. Includes: 6 Ferrules, 3 Short Nuts and 3 Long Nuts	02540274
Tefzel Nut (for Reverse Ferrule), 1/8 in.*	N2601189
Tefzel Nut, 1/16 in.*	09920381
Valco Ferrule	09903891
OptiTech Reusable Nut/Ferrule for UHPLC (Fingertight to 15K psi)	N9306301
OptiTech Ferrule Replacements for UHPLC (pkg. 10)	N9306300
UHPLC 1/16 in. Reusable Fitting	N9307800

* The Tefzel and Kel-F fittings above are only for low pressure use (under 400 psi).



Fittings Kits

Recommended for users of a PerkinElmer Biocompatible LC system. Contains nuts, ferrules and unions.

Description	Part No.
Biocompatible Column Fittings for LC	N9301001

Fittings Kit for LC

The kit contains Rheodyne™ and SSI nuts and ferrules as well as Fingertight® II nuts and ferrules for tool-less installation. Zero-dead-volume unions are also included. In addition, you receive varying lengths of stainless steel tubing in 0.007 and 0.010 in. ID, as well as 0.30 in. ID Tefzel® tubing.

Description	Part No.
All-in-one Fittings Kit	N9301002

Operation Kit

Recommended for purchasers of their first LC. Includes tubing, union, fittings, syringe, basic LC book and test mix.

Description	Part No.
Operation Kit	00890873

Vacuum Degassing Kits

Using a solvent degassing system will extend the performance of your pump. PerkinElmer offers both vacuum degassing systems that can handle all your degassing requirements.

On-Line Vacuum Degasser Kit

This is a low-volume, high efficiency on-line module for the removal of dissolved gasses from HPLC solvents. The vacuum degasser is available in 3 and 5 channel models to support isocratic, binary and quaternary pumps as well as degassing of autosampler flush solvent.

Description	Part No.
3-channel Vacuum Degassing Package. Includes: a Vacuum Degasser, one 1 L Bottle with Cap, one 2 L Bottle with Cap, one Organizer Tray and Accessory	N2600571
5-channel Vacuum Degassing Package. Includes: a Vacuum Degasser, two 1 L Bottle with Caps, two 2 L Bottles with Caps, Solvent Tray and Organizer	N2600570
Binary Bottle Cap Kit. Includes: two Caps, Tubing, Fittings and Labels required for two Solvent Bottles	N2600522
Quaternary Bottle Cap Kit. Includes: four Caps, Tubing, Fittings and Labels required for four Solvent Bottles	N2600523

Liquid Chromatography Laboratory Bottle Kits

Description	Part No.
1 x 5 Liter Bottle with Cap and PTFE Insert, 2 Meters PTFE 1/8 in. Tubing and 1x10 µm Stainless Steel Solvent Frit	N2601610
1 x 2 Liter Bottle with Cap and PTFE Insert 1 Meter PTFE 1/8 in. Tubing and 1 x 10 µm Stainless Steel Solvent Frit	N2601611
1 x 1 Liter Bottle with Cap and PTFE Insert 1 Meter PTFE 1/8 in. Tubing and 1 x 10 µm Stainless Steel Solvent Frit	N2601612
1 x 0.5 Liter Bottle with Cap and PTFE Insert 1 Meter PTFE 1/16 in. Tubing and 1 x 40 µm Stainless Steel Solvent Frit	N2601613
1 Cap with PTFE Insert 1 Meter PTFE 1/8 in. Tubing and 1 x 10 µm Stainless Steel Solvent Frit	N2601614
1 Cap with PTFE Insert 1 Meter PTFE 1/16 in. Tubing and 1 x 40 µm Stainless Steel Solvent Frit	N2601615
1 x 0.5 Liter Bottle with Cap and Dual PTFE Insert 2 pcs of 2 Meter PTFE 1/8 in. Tubing (Piston Wash Function)	N2601616
1 Cap with Dual PTFE Insert 2 pcs of 2 Meter PTFE 1/8 in. Tubing and 1 x 10 µm Stainless Steel Solvent Frit (Piston Wash Function)	N2601617

Replacement Vacuum Degasser Bottles

Description	Part No.
1 L Glass Bottle	N2600497
2 L Glass Bottle	N2600498

Starter Kits

UHPLC – General Starter Kit

Description	Part No.	
UHPLC – General Starter Kit	N2930801	
Contents	Qty./Pkg.	Part No.
Open-End Wrench	2	09907233
Adjustable Wrench	1	N9301326
Reversible Screw Driver	1	N9301480
Parker-Hannifin ZDV Stainless Steel Union	1	09903289
Parker-Hannifin Medium-Stem Stainless Steel Nuts	10	09903980
1/16 in. Parker-Hannifin Stainless Steel Ferrules	10	00873032
1/16 in. Valco Stainless Steel Ferrules	6	09903891
Finger-Tight Fittings, PEEK, 5.5K psi Max (pkg. 5)	1	N9307822
Optimize Technologies EZP (Hand-Tight Fitting to 13K psi, Wrench-tight to 20K psi)	1	N9306301
1/16 in. Tefzel Nuts	2	09920381
1/16 in. Tefzel Reverse Ferrules	2	09920382
1/8 in. Tefzel Nuts	4	N2601189
1/8 in. Tefzel Reverse Ferrules	4	09903771
PEEK Tubing Cutter (Includes 5 Extra Blades)	1	N9307820
50 cm x 0.005 in. ID 1/16 in. Stainless Steel Tubing	3	02507060
5 ft. x 0.004 in. ID 1/16 in. PEEK Tubing, Black	1	N2916261
5 ft. x 0.005 in. ID 1/16 in. PEEK Tubing, Red	1	N2916263
30 mL Priming Syringe	1	09904849
2 mL Clear Write-On Vials w/ 10 mm Pre-Slit PTFE/Silicone Caps (pkg. 100)	1	N9300695
Cable/Tubing Organizer Clip	3	NX598006

HPLC – General Starter Kit

Description	Part No.	
HPLC – General Starter Kit	N2930802	
Contents	Qty./Pkg.	Part No.
Open-End Wrench	2	09907233
Adjustable Wrench	1	N9301326
Reversible Screw Driver	1	N9301480
Parker-Hannifin ZDV Stainless Steel Union	1	09903289
Parker-Hannifin Medium-Stem Stainless Steel Nut	10	09903980
1/16 in. Parker-Hannifin Stainless Steel Ferrule	10	00873032
1/16 in. Valco Stainless Steel Ferrules	6	09903891
Rheodyne Stainless Steel Nut, Short Stem	2	09904956
Rheodyne Stainless Steel Nut, Long Stem	2	09904974
1/16 in. Rheodyne Stainless Steel Ferrule	4	09904947
1/16 in. Tefzel Nuts	2	09920381
1/16 in. Tefzel Reverse Ferrules	2	09920382
1/8 in. Tefzel Nuts	4	N2601189
1/8 in. Tefzel Reverse Ferrules	4	09903771
Finger-Tight Fittings, PEEK, 4K psi Max	6	09920513
PEEK Tubing Cutter (Includes 5 Extra Blades)	1	N9307820
50 cm x 0.005 in. ID 1/16 in. Stainless Steel Tubing	1	02507060
50 cm x 0.007 in. ID 1/16 in. Stainless Steel Tubing	2	00891480
5 ft. x 0.007 in. ID 1/16 in. PEEK Tubing, Yellowish-Tan	1	N9302650
5 ft. x 0.005 in. ID 1/16 in. PEEK Tubing, Red	1	N2916263
30 mL Priming Syringe	1	09904849
2 mL Clear Write-on Vials w/ 10 mm Pre-Slit PTFE/Silicone Caps (pkg. 100)	1	N9300695
Cable/Tubing Organizer Clip	3	NX598006