



Universal LC Accessories from Optimize Technologies

- EXP2 & EXP EXTRA HIGH PRESSURE FITTING SYSTEM
- EXP TRAP & EXP STEM TRAP CARTRIDGE SYSTEM
- EXP GUARD CARTRIDGE SYSTEM
- EXP & EXP STEM PRE-COLUMN FILTER SYSTEM

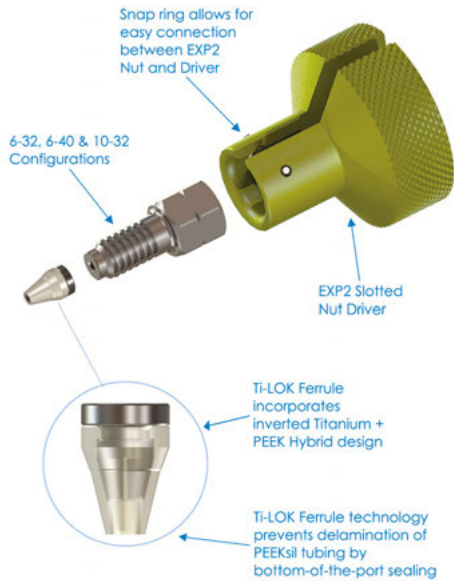


EXP2 FITTING SYSTEM - Ti-LOK FERRULES

Perfect for PEEKsil, PEEK and Fused Silica Tubing

- Rated hand-tight to 20'000+ psi (1'400+ bar)
- Auto-adjusting zero-dead-volume connection
- Extremely robust one-piece ferrule design
- Intended for many repeat uses
- Cost efficient with replaceable components
- Perfect for standard or nano UHPLC and UHPLC/MS

EXP2 HAND-TIGHT FITTING KIT CONFIGURATION



Part No.	Description	Qty.
OZ-15-24-04638	EXP2 Ti-LOK Ferrules for 1/16" OD	pk.10
OZ-15-19-04646	EXP2 Ti-LOK Ferrules for 1/32" OD	pk.10

Part No.	Description	Qty.
OZ-15-19-04930	6-32 EXP2 Nuts & 1/32" Ti-LOK Ferrules	pk.2
OZ-15-19-04931	6-40 EXP2 Nuts & 1/32" Ti-LOK Ferrules	pk.2
OZ-15-20-04932	10-32 EXP2 Nut & 1/16" Ti-LOK Ferrules	pk.2
OZ-15-19-04929	6-32 EXP2 Nuts & 1/32" Ti-LOK Ferrules	pk.10
OZ-15-19-04927	6-40 EXP2 Nuts & 1/32" Ti-LOK Ferrules	pk.10
OZ-15-20-04920	10-32 EXP2 Nuts & 1/16" Ti-LOK Ferrules	pk.10

Kits also include: 1 EXP2 Driver

Find these products at www.bgb-shop.com/exp2

EXP FITTING SYSTEM - TITANIUM HYBRID FERRULES

Perfect for Stainless Steel Tubing

- Available in Standard (1/16") and Nano (1/32") configurations
- Rated to 20'000+ psi (1'400+ bar)
- Tested to 30'000 psi
- Auto-adjusting zero-dead-volume connection
- Intended for many repeat uses
- Cost efficient with replaceable components

EXP TITANIUM HYBRID FERRULES



Part No.	Description	Qty.
OZ-15-24-03831	1/16" Titanium Hybrid Ferrule	ea.
OZ-15-24-03832	1/16" Titanium Hybrid Ferrules	pk.10



Part No.	Description	Qty.
OZ-15-19-04242	1/32" Titanium Hybrid Ferrule	ea.
OZ-15-19-04243	1/32" Titanium Hybrid Ferrules	pk.10

HAND-TIGHT EXP FITTINGS



*Hand-tight to 8'700+ psi
Wrench-tight to 20'000+ psi*

Part No.	Description	Qty.
OZ-15-20-03888	10-32 Hand-tight Nut & Titanium Ferrule	ea.
OZ-15-20-03930	10-32 Hand-tight Nut & Titanium Ferrules	pk.10



*Hand-tight to 8'700+ psi
Wrench-tight to 20'000+ psi*

Part No.	Description	Qty.
OZ-15-19-04245	6-40 Hand-tight Nut & Titanium Ferrule	ea.
OZ-15-19-04246	6-40 Hand-tight Nut & Titanium Ferrules	pk.10

HEX HEAD EXP FITTINGS



*Hand-tight to 8'700+ psi
Wrench-tight to 20'000+ psi*

Part No.	Description	Qty.
OZ-15-20-04120	10-32 Standard Hex Head Nut & Titanium Hybrid Ferrule	ea.
OZ-15-20-03839	10-32 Hex Head Nut, Short	ea.
OZ-15-20-03840	10-32 Short Hex Head Nuts & Titanium Hybrid Ferrules	pk.10
OZ-15-20-03833	10-32 Hex Head Nut, Standard	ea.
OZ-15-20-03834	10-32 Standard Hex Head Nuts & Titanium Hybrid Ferrules	pk.10
OZ-15-20-03841	10-32 Hex Head Nut, Long	ea.
OZ-15-20-03842	10-32 Long Hex Head Nuts & Titanium Hybrid Ferrules	pk.10



*Hand-tight to 8'700+ psi
Wrench-tight to 20'000+ psi*

Part No.	Description	Qty.
OZ-15-19-04247	Nano 6-40 Hex Head Nut	ea.
OZ-15-19-04248	Nano 6-40 Hex Head Nut & Titanium Hybrid Ferrule	ea.
OZ-15-19-04249	Nano 6-40 Hex Head Nut & Titanium Hybrid Ferrules	pk.10

Find these products at www.bgb-shop.com/exp

EXP TRAP CARTRIDGE SYSTEM

- Hand-tight to 20'000+ psi (1'400+ bar)
- Hand-tight trap replacement - NO TOOLS
- Uni-directional cartridge
- Custom packing available
- Available in bed volumes from 4µl to 100µl
- Hardened stainless steel end cap eliminates galling
- Auto-adjusting zero-dead-volume connections

EXP GUARD CARTRIDGE SYSTEM

- Hardware rated to 20'000+ psi (1'400+ bar)
- Hand-tight guard replacement - NO TOOLS!
- Packed guard rated for routine use to 15'000psi (1'000bar)
- 1.4µl swept volume (excluding packed bed)
- Hardened stainless steel end cap eliminates galling
- Low-volume, low-dispersion cartridges
- Auto-adjusting zero-dead-volume column connection

EXP HOLDERS



EXP Direct-Connect Holder



EXP In-Line Holder



EXP Pre-Column Filter Holder

Part No.	Description	Qty.
OZ-15-02-03956	EXP Direct-Connect Holder (fittings included)	ea.
OZ-15-02-03946	EXP In-Line Holder (fittings included)	ea.
OZ-15-02-04041	EXP All-In-One Holder Kit (includes: In-Line + Direct-Connect Holder Components and fittings)	ea.
OZ-15-04-03837	EXP Pre-Column Filter Holder (fittings included)	ea.

EXP PRE-COLUMN FILTER CARTRIDGES



use with EXP Pre-Column Filter Holder

Part No.	Description	Qty.
OZ-15-04-03093	0.5 µm EXP Filter Cartridges	pk.5
OZ-15-04-03096	0.2 µm EXP Filter Cartridges	pk.5
OZ-15-04-03094	0.5 µm EXP Filter Cartridges	pk.10
OZ-15-04-03097	0.2 µm EXP Filter Cartridges	pk.10

Find these products at www.bgb-shop.com/exp-filter

EXP TRAP CARTRIDGE SELECTION GUIDE

	Bed Volume	Suggested Max Load Rate*	Dimensions	Dimension Code	Phase Code	Phase		
3 PACKS	4 µl	2 ml/min	1.0 x 5 mm	0 3 9 6 4	H P	C18	5 µm HALO® Fused Core	
					H Q	C8		
					H R	HILIC		
	H S	Phenyl-Hexyl						
	10 µl	4 ml/min	1.5 x 5 mm	0 3 9 6 9	H T	PFP		
					H U	ES-CN		
					H V	Penta-HILIC		
	20 µl	6 ml/min	2.1 x 5 mm	0 3 9 7 3	H A	C18		2.7 µm HALO® Fused Core
					H B	C8		
					H D	HILIC		
					H E	RP-Amide		
					H F	Phenyl-Hexyl		
	40 µl	8 ml/min	3.0 x 5 mm	0 3 9 7 8	H N	Peptide ES-C18		
	100 µl	10 ml/min	4.6 x 5 mm	0 3 9 8 3	H G	C18	3 µm EXP	
H H					C8			
H I					C4			
H J					HILIC			
H K					Phenyl-Hexyl			
H L					SAX			
H M					SCX			
E S	Custom							

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Part Number



* Suggested max load rate is based on 60/40 Acetonitrile/Water Mobile phase. Custom packing is also available, please contact us for details.

Find these products at www.bgb-shop.com/exp-trap

EXP GUARD CARTRIDGE SELECTION GUIDE

	Dimensions	Dimension Code	Phase Code	Phase	
3 PACKS	1.0 x 5 mm	0 4 1 0 0	H A	C18	1.8 µm EXP
			H B	C8	
	1.5 x 5 mm	0 4 1 0 2	H C	C4	
			H D	HILIC	
	2.1 x 5 mm	0 4 1 0 4	H E	C18	3 µm EXP
			H F	C8	
	3.0 x 5 mm	0 4 1 0 6	H G	C4	
			H H	HILIC	
	4.6 x 5 mm	0 4 1 0 8	H I	Pentyl-Hexyl	
			H J	SAX	
			H K	SCX	
			E S	Custom	

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Part Number

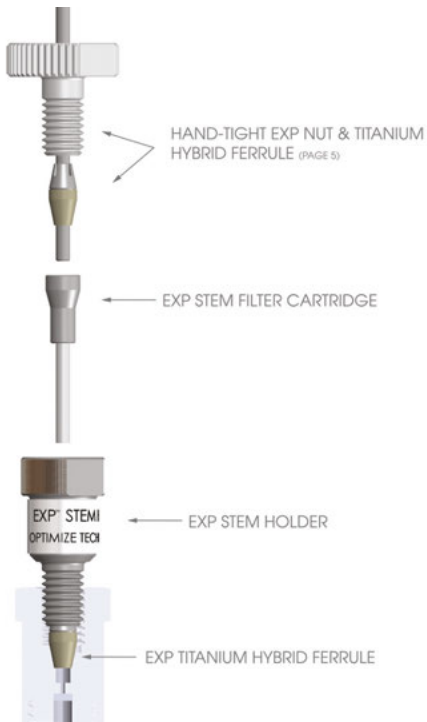


Custom packing is also available, please contact us for details.

Find these products at www.bgb-shop.com/exp-guard

EXP STEM FILTER

- Approved for use at 20'000+ psi (1'400+ bar)
- Hand-tight and wrench-tight configuration
- Low-dispersion cartridges
- Custom volumes/porosities available
- Ultra-low .27 µl total swept volume
- Auto-adjusting zero-dead-volume connection
- Reusable holder intended for many repeat uses



EXP STEM FILTER KITS

Part No.	Description	Qty.
OZ-15-04-04122	0.2 µm EXP Stem Filter Kit	ea.
OZ-15-04-04123	0.5 µm EXP Stem Filter Kit	ea.

Kit includes: Holder, Fittings & 3 Stem Filter Cartridges

EXP STEM FILTER CARTRIDGES



Part No.	Description	Qty.
OZ-15-04-04117	0.2 µm EXP Stem Filter Cartridges	pk.5
OZ-15-04-04119	0.5 µm EXP Stem Filter Cartridges	pk.5

Find these products at www.bgb-shop.com/exp-stem-filter

EXP STEM TRAP

- Rated to 20'000+ psi (1'400+ bar)
- Hand-tight and wrench-tight configurations
- Custom packing available
- Available in bed volumes from 0.17 µl to 2.6 µl
- Low-volume, low-dispersion cartridges
- Auto-adjusting zero-dead-volume connection
- Intended for many repeat uses



EXP STEM HOLDER

Part No.	Description	Qty.
OZ-15-02-03996	EXP Stem Holder (fittings included)	ea.

EXP STEM TRAP SELECTION GUIDE

	Bed Volume	Suggested Max Load Rate*	Dimensions	Dimension Code	Phase Code	Phase	
Stem Trap Kit	0.17 µl	60 µl/min	125 µm x 13.5 mm	0 3 9 9 7	H P	C18	5 µm HALO® Fused Core
Replacement Stems*	0.17 µl			0 3 9 9 2	H Q	C8	
Stem Trap Kit	0.33 µl	120 µl/min	180 µm x 13.5 mm	0 4 0 0 3	H R	HILIC	
Replacement Stems*	0.33 µl			0 4 0 0 1	H S	Phenyl-Hexyl	
Stem Trap Kit	0.68 µl	250 µl/min	250 µm x 13.5 mm	0 4 0 0 9	H T	PFP	
Replacement Stems*	0.68 µl			0 4 0 0 8	H U	ES-CN	
Stem Trap Kit	1.5 µl	500 µl/min	350 µm x 13.5 mm	0 4 0 1 5	H V	Penta-HILIC	
Replacement Stems*	1.5 µl			0 4 0 1 4	H A	C18	
Stem Trap Kit	2.6 µl	1 ml/min	500 µm x 13.5 mm	0 4 0 2 1	H B	C8	3 µm EXP
Replacement Stems*	2.6 µl			0 4 0 2 0	H D	HILIC	
					H E	RP-Amide	
					H F	Phenyl-Hexyl	
					H N	Peptide ES-C18	
					H G	C18	Custom
					H H	C8	
					H I	C4	
					H J	HILIC	
					H K	Phenyl-Hexyl	
					H L	SAX	
					H M	SCX	
					E S	Custom	

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Part Number

* Includes 3 replacement stems. To be used with reusable EXP Stem Holder only.
 ** Suggested max load rate is based on 60/40 Acetonitrile/Water Mobile phase.

Find these products at www.bgb-shop.com/exp-stem-trap

Optimize Technologies

Optimize Technologies is dedicated to providing the highest quality HPLC, UHPLC and LC/MS products available. They combine innovative design and superior performance to create products that are straight forward, yet elegant, solutions to daily issues in the lab.

The new EXP® product family provides reusable hand-tight connections and cartridge replacement for UHPLC pressures of 20'000+ psi. The Opti-Lynx™ system provides low-dispersion quick-connect capabilities for many applications rated to 6'000 psi. Our piston seals employ unique polymer blends to provide the ultimate performance. Check valve ball and seat sets are perfectly mated and feature optimized geometry for the fastest response time and flawless operation.

Optimize is constantly developing new products and expanding existing offerings. Please contact us if you have a custom design requirement or need support with your scientific instrumentation. Optimize welcomes the opportunity to provide custom design and engineering solutions.

Optimize promise to bring you innovative products that offer unmatched performance, quality, and ease of use - all backed with the most responsive and effective customer service in the industry.

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