

# CHROMATOGRAPHIC SPECIALTIES INC.

## COST SAVING PARTS FOR WATERS ALLIANCE HPLCs

Lower cost than the OEM parts, with no compromise in quality



### Check Valves

OPTI-MAX® cartridges have the same external dimensions as Waters Performance PLUS™ cartridges, and can be used in the same holders.

Product Number	Description	Qty	Equivalent to Waters Number	Price
M394602187	Alliance Conversion Kit OPTI-MAX®	1	WAT270941, 700002332	\$508.00
M104602004	Replacement Cartridges, OPTI-MAX®, 1/16"	2	700000254	331.50



### UHMW-PE OPTI-SEAL® Piston Seals Save Money for Reversed Phase Methods

- UHMW-PE lasts longer than PTFE in water and polar organic solvents
- Less filter maintenance: UHMW-PE sheds strands that sit on frits rather than plug them

### Pistons and Seals

M393602596	Plunger Seal, UHMW-PE, OPTI-SEAL®	1	WAT270938	\$73.50
M393602603	Plunger Seal, UHMW-PE, OPTI-SEAL®	2	WAT270938	132.60
M393602597	Plunger Seal, UHMW-PE, OPTI-SEAL®	10	WAT270938	674.00
M393602858	Tube Seals, Seal Wash	4	WAT270940	214.20
M393602860	Piston Seal, Seal Wash	2	WAT271018	117.30
M393402180	Sapphire Plunger	1	WAT270959	255.00



M393602596



M393402180



M390403524

### Filters

M390403524	Filter Insert Assembly, 2µm	1	WAT088084	\$27.60
------------	-----------------------------	---	-----------	---------

### Autosampler Parts

M393001106	Injector Wash Frit	3	WAT005106	\$101.50
M393001114	PTFE Washer, HPLC	6	WAT005135	64.30
H80024	Syringe, 250µL, 1725 for WISP	1	WAT073109	185.90
H80020	Syringe, 25µL, 1702 for WISP	1	-	194.90



H80024

### Detector Lamps

C55D401WALL	CHROMSPEC™ D <sub>2</sub> Lamp, LongLife, For 996, 2996	1	WAT052586	\$607.00
C55D501WALL	CHROMSPEC™ D <sub>2</sub> Lamp, LongLife, For 2487, 2488	1	WAS081142	607.00
C55X051WA	CHROMSPEC™ Xe Lamp, For 470, 474 & 2475	1	WAT047018	867.00



C55D401AGLL



Lamps are also available in packs of 6



Need more options than your current autosampler can provide?

Our HTA autosamplers are powerful and flexible. They are compatible with most major instrument manufacturers.

Contact our Instrumentation Team at [instrum@chromspec.com](mailto:instrum@chromspec.com) for more information.

1-800-267-8103 • [www.chromspec.com](http://www.chromspec.com) • [sales@chromspec.com](mailto:sales@chromspec.com)



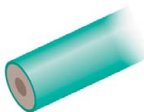
# UNIVERSAL HPLC AND UHPLC FITTINGS

## HPLC Tubing and Fittings

For systems running at <6,000 psi. Also ideal for UHPLC systems after the column!

### 1/16" PEEK® Tubing – Dual Layer Colour Coded, Straight

- Undyed core & dyed shell = permanent, easy to see size information
- No leaching concerns
- Same pressure rating, same great price as our dyed, undyed, striped tubing



Product Number	ID mm (in)	Colour Code	Pressure Limit (psi)	Qty	Price
C446007D	0.13 (0.005)	Red	6700	10 ft	\$36.00
C446008D	0.18 (0.007)	Yellow	6400	10 ft	36.00
C446009D	0.25 (0.010)	Blue	6100	10 ft	36.00

More diameters and lengths are available.

### One-Piece PEEK® Fingertight Fittings

- Easy to use, no separate ferrule to fumble with
- Inexpensive, seal to 5,000 psi
- Contact us for colour coded part numbers



Product Number	Description	Qty	Price
C44550205	Fingertight Fitting, Natural	5	\$ 30.80

### PEEK® Nuts And Double Ferrules

- Separate nut and ferrule for better seal
- 6,000 psi hand or wrench tight



C4455805	PEEK® Handtight Nut	5	\$35.00
C4455105	PEEK® Hex-Head Nut	5	35.00
C4450045	PEEK® Double-Ferrule	5	19.60

### Optimize Opti-Solv® In-Line Filters

- In-line filter gives easy, inexpensive protection for standard analytical columns
- Use Gorilla-Grip for easy hand-tight operation; wrench-tight filter is narrower for confined spaces
- Mini-filter uses depth filtration for reliable low-volume / fast HPLC work



M100403685	OPTI-SOLV® In-Line Filter, Gorilla-grip*	1	\$286.10
M100403686	OPTI-SOLV® In-Line Filter, wrench-tight*	1	293.10
M100400103	OPTI-SOLV® In-Line Filter, Replacement Frits, 2µm	10	153.50
M100400097	OPTI-SOLV® Mini-Filter, 2µm, SS frit	5	372.50

\* Requires Frits

### Mobile Phase Filters

- Your first line of defense against particles or dust entering through your mobile phase bottles



C4446772	Filter, Last Drop Economy, 2µm, 22mm OD, SS	1	\$24.50
C4490000530	Filter, Last Drop with Tripod Tubing Connector, 2µm, SS	1	30.60
RK26431	Bluestem Glass Solvent Filter, 15µm	1	47.10
RK26392	PTFE Adapter for Bluestem Filter	4	54.30
M100400071	Solvent Reservoir Filter, Hastelloy C, for 1/16"ID Tubing, 2µm	1	95.80

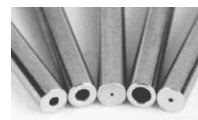
Prices are subject to change.

## UHPLC Tubing and Fittings

Recommended for systems operating at >6,000 psi (400 bar). Also suitable for demanding HPLC applications.

### 1/16" 316 Stainless Steel Capillary Tubing

- Bulk Tubing
  - High quality, low cost per foot
  - Cuts depend on user skill
- Pre-cut Tubing
  - All cuts smooth, square, free of metal fragments
  - Convenient sizes, more economical than custom cut tubing



Length	0.005" ID (17,250psi*)	0.010" ID (15,750psi*)	0.020" ID (12,750psi*)	Price (Pkg. 2)
5 cm	VT5C5D	VT5C10D	VT5C20D	\$11.40
10 cm	VT10C5D	VT10C10D	VT10C20D	12.90
20 cm	VT20C5D	VT20C10D	VT20C20D	14.20
30 cm	VT30C5D	VT30C10D	VT30C20D	17.10
				<b>Each</b>
10ft	VTSS105S10F	VTSS110S10F	VTSS120S10F	49.30

\* Calculated ASME maximum working pressure for 316 grade tubing

### Optimize EXP™ Reusable Fittings

- Handtight seal to 8,700 psi, wrench-tight to 20,000 psi
- No permanent swage for easy repeat connections



Product Number	Description	Qty	Price
M152003888	EXP™ Hand-Tight Nut and Titanium Hybrid Ferrule	1	\$71.70
M152003833	EXP™ 10-32 Hex Head Male Nut, Stainless Steel, Standard Length	1	22.40
M152403831	EXP™ Titanium Hybrid Ferrule	1	53.00
M152403832	EXP™ Titanium Hybrid Ferrule	10	461.00

### VICI SS Nuts & Ferrules

- Ideal for making repeated or long term connections to one location



C34200	Standard Zero Volume Nut, 1/16", SS	10	\$24.30
C34202	Ferrule, 1/16", 303SS	10	27.00

### We also offer:

- Tubing Cutters
- Membrane Filters
- Degassers
- Vials and Septa

