

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 |
|----------------|--|-----|-----------------------------|
| M394602187 | Alliance Conversion Kit OPTI-MAX® | 1 | WAT270941, 700002332 |
| M104602004 | Replacement Cartridges, OPTI-MAX®, 1/16" | 2 | 700000254 |



\$ 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 |
| M393602603 | Plunger Seal, UHMW-PE, OPTI-SEAL® | 2 | WAT270938 |
| M393602597 | Plunger Seal, UHMW-PE, OPTI-SEAL® | 10 | WAT270938 |
| M393602858 | Tube Seals, Seal Wash | 4 | WAT270940 |
| M393602860 | Piston Seal, Seal Wash | 2 | WAT271018 |
| M393402180 | Sapphire Plunger | 1 | WAT270959 |



M393602596



M393402180



M393403524

Filters

| | | | |
|------------|-----------------------------|---|-----------|
| M390403524 | Filter Insert Assembly, 2µm | 1 | WAT088084 |
|------------|-----------------------------|---|-----------|

Autosampler Parts

| | | | |
|------------|-------------------------------|---|-----------|
| M393001106 | Injector Wash Frit | 3 | WAT005106 |
| M393001114 | PTFE Washer, HPLC | 6 | WAT005135 |
| H80024 | Syringe, 250µL, 1725 for WISP | 1 | WAT073109 |
| H80020 | Syringe, 25µL, 1702 for WISP | 1 | - |



H80024

Detector Lamps

| | | | |
|-------------|--|---|-----------|
| C55D401WALL | CHROMSPEC™ D ₂ Lamp, LongLife, For 996, 2996 | 1 | WAT052586 |
| C55D501WALL | CHROMSPEC™ D ₂ Lamp, LongLife, For 2487, 2488 | 1 | WAS081142 |
| C55X051WA | CHROMSPEC™ Xe Lamp, For 470, 474 & 2475 | 1 | WAT047018 |
| C55D801WALL | CHROMSPEC™ Deuterium Lamp, LongLife, For Acquity | 1 | 201000281 |



C55D401AGLL



Lamps are also available in packs of 6

Parts for Acquity® UHPLC Systems

Individual parts also available, please contact our Technical Support Team tech@chromspec.com.

| Product Number | Description | Comparable to OEM# |
|----------------|--|--------------------|
| C56022WA | ACQUITY® H-Class QSM Performance Maintenance Kit | 201000233 |
| C56023WA | ACQUITY® I2V BSM Performance Maintenance Kit | 201000197 |
| C56078WA | ACQUITY® BSM Performance Maintenance Kit | 201000173 |

1-800-267-8103 • www.chromspec.com • sales@chromspec.com



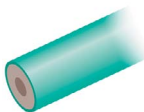
UNIVERSAL HPLC AND UHPLC FITTINGS

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 |
|----------------|--------------|-------------|----------------------|-------|
| C446007D | 0.13 (0.005) | Red | 6700 | 10 ft |
| C446008D | 0.18 (0.007) | Yellow | 6400 | 10 ft |
| C446009D | 0.25 (0.010) | Blue | 6100 | 10 ft |

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 |
|----------------|------------------------------|-----|
| C44550205 | Fingertight Fitting, Natural | 5 |

PEEK® Nuts And Double Ferrules

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



| | | |
|----------|----------------------|---|
| C4455805 | PEEK® Handtight Nut | 5 |
| C4455105 | PEEK® Hex-Head Nut | 5 |
| C4450045 | PEEK® Double-Ferrule | 5 |

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 |
| M100403686 | OPTI-SOLV® In-Line Filter, wrench-tight* | 1 |
| M100400103 | OPTI-SOLV® In-Line Filter, Replacement Frits, 2µm | 10 |
| M100400097 | OPTI-SOLV® Mini-Filter, 2µm, SS frit | 5 |

* Requires Frits

Mobile Phase Filters

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



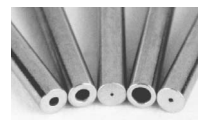
| | | |
|-------------|---|---|
| C4446772 | Filter, Last Drop Economy, 2µm, 22mm OD, SS | 1 |
| C4490000530 | Filter, Last Drop with Tripod Tubing Connector, 2µm, SS | 1 |
| RK26431 | Bluestem Glass Solvent Filter, 15µm | 1 |
| RK26392 | PTFE Adapter for Bluestem Filter | 4 |
| M100400071 | Solvent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

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*) | (Pkg. 2) |
|--------|------------------------|------------------------|------------------------|----------|
| 5 cm | VT5C5D | VT5C10D | VT5C20D | |
| 10 cm | VT10C5D | VT10C10D | VT10C20D | |
| 20 cm | VT20C5D | VT20C10D | VT20C20D | |
| 30 cm | VT30C5D | VT30C10D | VT30C20D | |
| 10ft | VTSS105S10F | VTSS110S10F | VTSS120S10F | Each |

* 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 |
|----------------|--|-----|
| M152003888 | EXP™ Hand-Tight Nut and Titanium Hybrid Ferrule | 1 |
| M152003833 | EXP™ 10-32 Hex Head Male Nut, Stainless Steel, Standard Length | 1 |
| M152403831 | EXP™ Titanium Hybrid Ferrule | 1 |
| M152403832 | EXP™ Titanium Hybrid Ferrule | 10 |

VICI SS Nuts & Ferrules

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



| | | |
|--------|-------------------------------------|----|
| C34200 | Standard Zero Volume Nut, 1/16", SS | 10 |
| C34202 | Ferrule, 1/16", 303SS | 10 |

We also offer:

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

