

## SupelPRO™ Automated Fluidics Instruments

Supelco's SupelPRO series are precision, electronically-controlled, motorized valve instruments for repetitive fluid symetchings. Each SupelPRO instrument is self-contained and incorporates a 2-position or multi-position port valve. Standard multi-possition include a 4-line BCD port, and the 2-position models include the Level Logic. Power requirements: 100-240VAC, 50-60Hz (auto switching). All units shipped with standard US power cord. Other power cords are available on a custom basis.

All SupelPRO  ${}^{\rm M}$  units are CE approved.

## SupelPRO™ 3-Column or 6-Column Selector

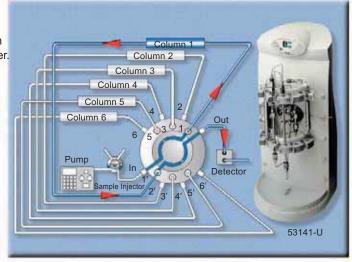
Select from among up to 3 columns or up to 6 columns. Useful for column selectivity comparisons, other column selection applications. Includes mounting clips and cover.

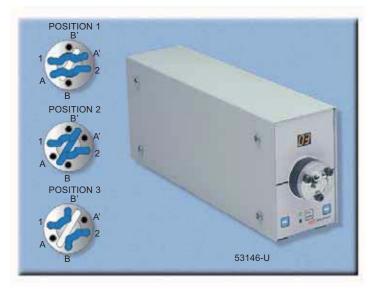
| DESCRIPTION                         | CAT. NO.           | PRICE |
|-------------------------------------|--------------------|-------|
| 3-Column<br>Stainless Steel<br>PEEK | 53140-U<br>53142-U |       |
| 6-Column<br>Stainless Steel<br>PEEK | 53141-U<br>53143-U |       |

## SupelPRO<sup>™</sup> 2-Channel Selector with Bypass Valve

This 6-port, 3-position motorized valve is useful for selecting 1 of 2 connected columns, or flush.

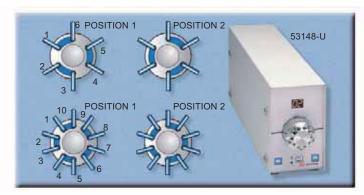
| DESCRIPTION             | CAT. NO.           | PRIC |
|-------------------------|--------------------|------|
| Stainless Steel<br>PEEK | 53146-U<br>53147-U |      |
|                         |                    |      |

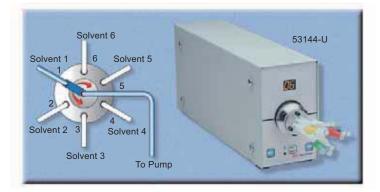






Sample Injector 10 **S**1 S2 **S**3 **S**4 **S**5 S6 S7 **S**8 S9 S10





## SupelPRO™ 11-Port, 10-Position Valve

Use this 11-port, 10-position valve to select from up to 10 inputs to 1 output, or select 10 outputs from 1 input.

| DESCRIPTION     | CAT. NO. | PRICE |
|-----------------|----------|-------|
| Stainless Steel | 53152-U  |       |
| PEEK            | 53153-U  |       |

## SupelPRO<sup>™</sup> 2-Position Valves

Available with 6 or 10 ports. Useful for a wide variety of applications, including sample clean-up and back-flushing.

| DESCRIPTION                        | CAT. NO.           | PRICE |
|------------------------------------|--------------------|-------|
| 6-Port<br>Stainless Steel<br>PEEK  | 53148-U<br>53149-U |       |
| 10-Port<br>Stainless Steel<br>PEEK | 53150-U<br>53151-U | elco  |
| SupelPRO™ Solvent Selector Valve   |                    | dns,  |

## SupelPRO<sup>™</sup> Solvent Selector Valve

Allows automation of mobile phase selection from 6 inlets Comes with factory installed 1/16" or 1/8" OD tubing and 1/4-28 fittings. Rated to 300psi (20 bar).

| 1/4-28 fittings. Rated to 300psi (20 bar). |                    |               |
|--|--------------------|---------------|
| DESCRIPTION                                | CAT. NO.           | PRICE -       |
| 1/16"<br>1/8"                              | 53144-U<br>53145-U | w w signa - a |

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SUPELCO

359.3041 Web:

Technical Service: 1.800.

Order: 1.800.325.3010

## HPLC Accessories Rheodyne Injectors



Rheodyne Model 3725i Preparative Sample Injectors

Model 3725i sample injectors for 1-10cm ID HPLC columns combine the ease of use and versatility of Rheodyne's analytical-<sup>The</sup> flat-face seal is easy to adjust.

Rheodyne Model 7000 Stream Switching Valve



Designed specifically for column selection, sample clean-up and enrichment, column programming, backflushing, and other stream switching operations. Six peripheral ports (no center port) are interconnected through a two-position rotor. Low volume flow passages (0.6mm ID) minimize dead volume that can affect column switching analyses. The pressure limit is factory set at 5000psi (350kg/cm<sup>2</sup>), but can be adjusted to 7000psi (490kg/cm<sup>2</sup>). The flat face scal is easy to adjust

|          | combine the ease of use and versatility of theodyne's analytical-  |          |       |
|----------|--|----------|-------|
|          | scale injectors with the ability to handle large samples and high DESCRIPTION  | CAT. NO. | PRICE |
|          | flow rates. Rugged and easily maintained, in a choice of stainles <sub>Model</sub> 7000 Valve  | 58920-U  |       |
| <b>,</b> | steel or PEEK flowpaths. Includes 10mL sample loop, 1/8" fittine REPLACEMENT COMPONENTS  |          |       |
| 2        | for an injustion of large some syring energies and the state of the st | 58831    |       |
| ź        | for rapid injection of large samples, needle port cleaner, two ventRheBuild Kit for 7000/7010  | 55044    |       |
| 5        | tubes, wrenches, mounting screws, and instructions.  |          |       |

## SPECIFICATIONS

| Tubing and Fittings:  | 1/8"                             |  |
|---|----------------------------------|--|
| Valve Flow Passages:  | 1mm/0.04"                        |  |
| Flow Rates:   | 10-800mL/min                     |  |
| Pressure Rating:  | Model 3725i: 276 bar/4000psi*    |  |
|   | Model 3725i-038: 345 bar/5000psi |  |
| * Usable pressure depends on sample loop ID, organic solvent concentration,<br>and organic solvent exposure time. |                                  |  |

| DESCRIPTION                                      | CAT. NO. | PRICE |
|--|----------|-------|
| PREPARATIVE SAMPLE INJECTORS                     |          |       |
| Model 3725i, PEEK                                | 57461    |       |
| Model 3725i-038, SS                              | 57463    |       |
| REPLACEMENT COMPONENTS                           |          |       |
| Rotor Seal                                       | 57473    |       |
| Stator Face Assembly                             | 57474    |       |
| Needle, PEEK for model 3725                      | 57475    |       |
| Needle, 16-Gauge SS for model 3725               | 57476    |       |
| Fitting Set, 1/8" (1 nut & 1 ferrule)<br>RheElex | 57477    |       |
| Stainless Steel                                  | 57479    |       |
| Ferrules, 1/8" (pk. of 5)                        | 01410    |       |
| Stainless Steel                                  | 57480-U  |       |
| RheBuild Kit for                                 |          |       |
| 3725/3725i/3725-038/3725i-038                    | 55043    |       |
| SAMPLE LOOPS <sup>,2</sup>                       |          |       |
| PEEK   |          |       |
| 2mL  | 57464-U  |       |
| 5mL  | 57465    |       |
| 10mL   | 57466-U  |       |
| 20mL   | 57467    |       |
| Stainless Steel<br>2ml                           | 57468-U  |       |
| 5ml  | 57469    |       |
| 10mL   | 57470-U  |       |
| 20mL   | 57471    |       |
|  |          |       |



#### Rheodyne Model 7010 Injector

The original Rheodyne HPLC injector, Model 7010 introduces  $5\mu$ L-5mL samples onto a column with excellent reproducibility (intended for complete loop filling only). Six clustered ports allow compact interconnections, minimizing tubing volume. The flat-face seal is easy to adjust and service. Operates at pressures to 7000psi (490kg/cm<sup>2</sup>). Supplied with a 20µL loop; order fill port separately.

| DESCRIPTION   | CAT. NO.  | PRICE |
|---|---|-------|
| Model 7010 Injector   | 58827   |       |
| REPLACEMENT COMPONENTS  |   |       |
| Loop Fill Port<br>VESPEL Rotor Seal<br>RheBuild Kit for 7000/7010           | 58825-U<br>58831<br>55044   |       |
| SAMPLE LOOPS WITH FITTINGS  |   |       |
| 5µL<br>10µL<br>20µL<br>50µL<br>100µL<br>200µL<br>500µL<br>1mL<br>2mL<br>5mL | 58840-U<br>58832<br>58833-U<br>58834<br>58835<br>58836<br>58837<br>58838<br>58838<br>58839<br>57637 |       |

<sup>1</sup> Supplied with unswaged fittings for connection to Model 3721i injector.

<sup>2</sup> Two 1/8" x 1/16" reducing unions (Cat. No. 22999), two short pieces of

1/16" capillary tubing, and 1/16" nuts and ferrules are needed to connect a preparative sample loop to a valve with 1/16" ports .

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Order:

## **HPLC** Accessories **Rheodyne Injectors**



Rheodyne Model 7060 Selection Valve

For column or mobile phase selection.

Instead of frequently connecting and disconnecting columns to your system, connect the injector outlet to the common center port of a Model 7060 valve, and connect up to 6 columns to the peripheral ports. (We recommend allowing one port for bypass/ flushing operations.) The common port can be sequentially connected to each of the 6 peripheral ports by manually rotating change the sample loop). the handle in either direction. Connect the column outlets to a second Model 7060 valve to direct the flow from the columns to the detector.

Low dispersion 0.41mm/0.016" ID passages and an internal volume of less than  $2\mu L$  ensure minimal extra-column band broadening.

| DESCRIPTION                        | CAT. NO.                                | PRICE |
|------------------------------------|---|-------|
| Model 7060 Selection Valve         | 58817                                   |       |
|                                    |   |       |
|                                    | And |       |
| Rheodyne Model 7520                |   |       |
| Microsample (Syringe-Loading) Inj  | ector                                   |       |
| Designed specifically for use with |   |       |

0.13mm/0.005" ID passages and a built-in needle port (0.3µL hold-up volume) minimize dispersion of small samples. A 0.5µL Note: Use VESPEL seals to pH 10, Tefzel seals to pH 14. sample rotor is included; order other rotors separately.

| DESCRIPTION                     | CAT. NO.         | PRICE |
|---------------------------------|------------------|-------|
| Model 7520 Microsample Injector | 58819            |       |
| REPLACEMENT COMPONENTS          |                  |       |
| RheBuild Kit for 7520/7526      | 55048            |       |
| SAMPLE ROTORS                   |                  |       |
| 0.2μL<br>1.0μL                  | 58820<br>58822-U |       |

Rheodyne Model 7125 Injector

The Rheodyne Model 7125 syringe loading injector allows injection of the entire contents of the syringe into the sample loop - you won't have to flush the valve between injections, unless you are conducting trace analyses. It also injects samples from a partially filled loop (you save time by not having to

The Model 7125 injector can be used at pressures to 7000psi (490kg/cm<sup>2</sup>) and is supplied with a VESPEL rotor seal for operation at pH 0-10. A 20µL sample loop is included; order additional loops separately.

| DESCRIPTION                                | CAT. NO. | PRICE |
|--|----------|-------|
| Model 7125 Injector                        | 58826    |       |
| REPLACEMENT COMPONENTS                     |          |       |
| VESPEL Rotor Seal                          | 58830-U  |       |
| Tefzel Rotor Seal                          | 57633    |       |
| Needle Port Cleaner<br>Valve Angle Bracket | 57635    |       |
| (for all metal Rheodyne valves)            | 57636    |       |
| RheBuild Kit for 7125/7126                 | 55045    |       |
| SAMPLE LOOPS WITH FITTINGS                 |          |       |
| 5µL  | 58840-U  |       |
| 10µL                                       | 58832    |       |
| 20µL                                       | 58833-U  |       |
| 50µL                                       | 58834    |       |
| 100µL                                      | 58835    |       |
| 200µL                                      | 58836    |       |
| 500µL                                      | 58837    |       |
| 1mL  | 58838    |       |
| 2mL  | 58839    |       |
| 5mL  | 57637    |       |

# HPLC Accessories

## **Rheodyne Injectors**

## Rheodyne Model 7725 and 7725i Injectors

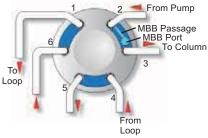
The Rheodyne Model 7725 injector allows you to inject 1µL-5mL samples with accuracy and precision. The rugged, easilydmaintaine design offers many advanced features:

- Patented continuous flow design (Figure A) flow is uninterrupted when you switch from LOAD to INJECT
- · Easy seal adjustment using pressure screw on front of injector
- Easy access to fittings (Figure B)

Injector includes a 20µL sample loop and is supplied with a VESPEL rotor seal that can be replaced with a Tefzel rotopescation at pH 0-14. Factory set at 5000psi (345 bar), adjustable to 7000psi (483 bar). Model 7725i has an internal position states were supplied with a VESPEL rotor seal that can be replaced with a Tefzel rotopescation of the provided sector of the

| DESCRIPTION                                   | CAT. NO.          | PRI  |
|---|-------------------|------|
| Model 7725 Injector                           | 57620-U           |      |
| Model 7725i Injector                          | 57621             |      |
| REPLACEMENT COMPONENTS                        |                   |      |
| VESPEL Rotor Seal                             | 58830-U           |      |
| Tefzel Rotor Seal                             | 57633             |      |
| Stator Face Assembly                          | 57634             |      |
| Needle Port Cleaner                           | 57635             |      |
| Valve Angle Bracket                           |                   |      |
| (for all metal Rheodyne valves)               | 57636             |      |
| RheBuild Kit for 7725/7725i/7726              | 55049             |      |
| SAMPLE LOOPS(WIDE-ANGLE PORTS;                | ; FITTINGS INCLUE | DED) |
| 2µL   | 57622             |      |
| 5μL   | 57623             |      |
| 10µL  | 57624             |      |
| 20µL  | 57625             |      |
| 50µL  | 57626             |      |
| 100µL   | 57627             |      |
| 200µL   | 57628-U           |      |
| 500µL   | 57629-U           |      |
| 1mL   | 57630             |      |
| 2mL   | 57631             |      |
| 5mL   | 57632             |      |
| Note: Use VESPEL seals to pH 10, Tefzel seals | s to pH 14.       |      |





A conventional HPLC valve momentarily interrupts flow during sample injection, subjecting your column to repetitive pressure shocks. Rheodyne's patented MBB (make-before-break) design makes the new connection before breaking the old one, providing uninterrupted flow.

Figure B. Model 7725 Injectors also Feature a Wide Port Angle  $(30^\circ)$ , for Easy Access to the Fittings



Rheodyne Model 8125 Low Dispersion Injector

Inject as little as  $0.1 \mu L$  of sample with high accuracy and zero waste.

Small diameter flow channels in a low-dispersion version of the popular Model 7125 injector. Excellent for use with narrow bore columns (1-3mm ID), but also well suited for larger diameter columns. Resolution is most improved with relatively unretrainfed (I peaks – the peaks most affected by extra-column effects. Additional features include:

- Built-in zero-holdup needle port
- Built-in position switch to signal injection
- Long rotor seal lifetime make up to 30,000 injections before replacing seal (VESPEL)
- User-adjustable to 7000psi (490kg/cm<sup>2</sup>)
- Easy-to-service flat-face rotor design

Supplied with a 5µL sample loop, fittings for all ports, 22-gauge luer hub needles, needle port cleaner, two vent tubes, wrench mounting screws and instructions. Order additional sample loops separately.

| DESCRIPTION   | CAT. NO.                | PRICE |
|---|-------------------------|-------|
| Model 8125 Injector   | 57950-U                 |       |
| REPLACEMENT COMPONENTS  |                         |       |
| VESPEL Rotor Seal<br>RheBuild Kit for 8125/8126<br>SAMPLE LOOPS | 57955<br>55050-U        |       |
| 5μL<br>10μL<br>20μL   | 57951<br>57952<br>57953 |       |



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Service:

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1.800.325.3010

Order:

## **HPLC** Accessories **Rheodyne Injectors**

Chromatography

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#### **Biocompatible Rheodyne Injectors**

All flow passages in the 6-port injectors on this page are inert PEEK (polyetheretherketone) or alumina-ceramic materials. They unaffected by buffers, acids, bases, or halide salts, including 1M sodium chloride, over the entire pH range. Both values soare r pressures up to 5000psi (350kg/cm<sup>2</sup>), but the usable operating pressure may be lower, depending on the loop and solvents used.



## Rheodyne Model 9010 Injector

This injector is similar in function to the Model 7010 stainless steel injector, but is constructed of inert PEEK and Tefzel

A position-sensing switch closes in the INJECT position and stays closed until the handle is returned to the LOAD position. Supplied with a 20µL sample loop; order additional loops separately.

| DESCRIPTION  | CAT. NO.                         | PRICE |
|--|----------------------------------|-------|
| Model 9010 Injector  | 57695                            |       |
| REPLACEMENT COMPONENTS   |                                  |       |
| Tefzel Rotor Seal<br>Loop Filler Port<br>Needle Port<br>RheBuild Kit for 9010/9040 | 57696<br>57638<br>57639<br>55052 |       |



Rheodyne Model 9725 Injector

54432

The Model 9725 injector is ideal for both HPLC and soft gel  $LC_{\alpha}^{\oplus}$ purification procedures for biomolecules. Performance of this 6 materials for use in the pH range 0-14. It can be used for HPLC, port rotary injector is similar to that of the Model 7725 injector,  $\int_{E}^{\infty}$  soft gel chromatography, or ion chromatography. patented make-before-break design (see previous page, Figure A).

> The 0.25mm ID flow channels provide low dispersion when used with narrow ID columns, but prevent excessive flow resistance at flow rates used with larger analytical columns and preparative  $\frac{\sigma}{r}$ PEEK tubing. Model 9725i includes a position-sensing switch.

Supplied with a 20µL PEEK sample loop, Tefzel rotor seal, fittings for all ports, 22-gauge luer hub needle, needle port cleaner, two Tefzel vent tubes, wrenches, mounting screws and instructions.<sup>≥</sup> Order additional sample loops separately. Web

| DESCRIPTION   | CAT. NO.         | PRICE |
|---|------------------|-------|
| Model 9725 Injector                                   | 54432            |       |
| REPLACEMENT COMPONENTS                                |                  |       |
| Tefzel Rotor Seal<br>RheBuild Kit for 9725/9725i/9726 | 57971-U<br>55053 |       |

PEEK Sample Loops for 9010, 9125, and 9725 Injectors

| VOLUME | CAT. NO. PRICE |
|--------|----------------|
| 5µL    | 57640          |
| 10µL   | 57641          |
| 20µL   | 57642          |
| 50µL   | 57643          |
| 100µL  | 57644          |
| 200µL  | 57645          |
| 500µL  | 57646          |
| 1mL    | 57647          |
| 2mL    | 57648          |
| 5mL    | 57649          |
|        |                |

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Service: 1.800.

Technical

3010

325.

## **HPLC** Accessories

Rheodyne RheBuild Kits, Fittings, Tools





Rheodyne Port Adapter, ValvTool

Use the Port Adapter for connecting 1/16" tubing to a 1/8" valve port. Use the ValvTool for changing sample loops or replacing fittings on Rheodyne valves. The 1/4" end is a uniquely designed slotted socket wrench that provides easy access to many hard-to-reach areas.

| DESCRIPTION           | CAT. NO. | PRICE |
|-----------------------|----------|-------|
| Rheodyne Port Adapter | 57472    |       |
| ValvTool              | 55087-U  |       |



CAT. NO

58256

58257

58687

58258

57479

57480-U

PRICE

#### RheBuild Kits

www.sigma-aldrich.com/supelco

1.800.359.3041 Web:

1.800.325.3010 Technical Service:

Order:

These kits include all of the tools and parts you need to repair your Rheodyne injector. The parts included are those most likely to be damaged, worn, or lost. Kits for front-loading injectors include: rotor seal, stator face assembly, isolation seal, needle guide, needle port cleaner, 2 hex keys, operating instructions, a mini-manual. Parts may vary, depending on valve model. Nuts, 1/16" (pk. of 10) Extra Long Nuts, 1/16" (pk. of 5) Ferrules, 1/16" (pk. of 5) a mini-manual. Parts may vary, depending on valve model.

| VALVE MODEL   | CAT. NO.   | PRICE |
|---|--|-------|
| VALVE MODEL<br>3725/3725i/3725-038/3725i-038<br>7010<br>7010 with stator<br>7125/7126<br>7125-081<br>7410<br>7520/7526<br>7650/9650 TPMV<br>7725/7725i/7726<br>7750 TPMV Series<br>8125/8126<br>9010/9040<br>9125/9126<br>9725/9725i/9726   | CAT. NO.<br>55043<br>55044<br>5504602<br>55045<br>55046<br>55047<br>55048<br>504629<br>55049<br>7750999<br>55050-U<br>55052<br>55051<br>55051<br>55053 | PRICE |
| 9750 TPMV Series<br>KITS FOR SupelPRO/LabPRO UNITS  | 9750999  |       |
| Injector with Purge <sup>1</sup><br>2-Channel Selector <sup>1</sup><br>3 Column Selector <sup>1</sup><br>11-Port/10-Position <sup>1</sup><br>2-Position, 6-Port <sup>1</sup><br>2-Position, 10-Port <sup>1</sup><br>Solvent Selector, 1/16"<br>Solvent Selector, 1/16"<br>Low Pressure Switching, 1/16" | 54398-U<br>54394-U<br>54388-U<br>57443-U<br>54395-U<br>54396-U<br>54392-U<br>54393-U<br>54390-U  |       |



**RheFlex PEEK Fittings** 

DESCRIPTION

For Rheodyne valves. Hold to 5000psi/350kg/cm<sup>2</sup>.

| DESCRIPTION  | CAT. NO.                  | PRICE |
|--|---------------------------|-------|
| 1/16" RHEFLEX FITTING SETS   |                           |       |
| Long Fitting Sets (5 nuts, 5 ferrules)<br>Short Fitting Sets (5 nuts, 5 ferrules)<br>1/16" Ferrules (pk. of 5) | 57690-U<br>57691<br>57692 |       |
| 1/8" RHEFLEX FITTING SETS  |                           |       |
| Fitting Set (1 nut, 1 ferrule)   | 57477                     |       |

#### Rheodyne pH Upgrade Kits

Enables you to use your Rheodyne injector with samples at pH 0-14. Includes Tefzel rotor seal, 2 hex keys, instructions.

| VALVE MODEL    | CAT. NO. | PRICE |
|----------------|----------|-------|
| 7000/7010/7040 | 55054    |       |
| 7125/7126      | 55055    |       |
| 7410           | 55056    |       |
| 8125/8126      | 55057    |       |

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## **HPLC** Accessories Low Pressure Valves, Micro Valves



Rheodyne Model 5011 Low Pressure Mobile Phase Selection Valve

Draw the mobile phase you need simply by rotating a switch. This zero dead volume, 7-port 6-position rotary valve operates to SPECIFICATIONS 300psi (21kg/cm<sup>2</sup>). Inert Teflon tubing (0.8mm ID) ensures contaminant-free mobile phases.

| DESCRIPTION<br>Model 5011 Valve<br>Mounting Bracket for 5011/5020 | CAT. NO.<br>58829<br>57460-U | PRICE |
|---|------------------------------|-------|
| 58814<br>58814<br>58814   | POOL                         | 576   |

Rheodyne Model 5020 Low Pressure Sample Injection Valve

A Teflon, fixed volume loop injector with 0.8mm/0.03" ID flow passages. Operates to 300psi (21kg/cm²). Supplied with a 0.5n \* For capillary tubing. sample loop and a female Luer adapter for a Luer tip syringe.

| DESCRIPTION                | CAT. NO. | PRICE |
|----------------------------|----------|-------|
| Model 5020 Injection Valve | 58814    |       |
| SAMPLE LOOPS               |          |       |
| 0.1mL                      | 57680-U  |       |
| 1mL                        | 57683    |       |
| 5mL                        | 57684    |       |
| 10mL                       | 57685    |       |

502367 54719-U 502383 **Upchurch Micro-Valves** 

- Inert PEEK construction
- Flow rates as low as 3.5µL/minute (water)
- 1/4-28 or 10-32 1/16" fittings •

Internal Volume

1/4-28 valves: 4.13µL fully opened; 2.1µL closed. 10-32 valves: 2.8µL fully opened; 1.2µL closed. 10-32/6-32 valves. 2.5µL fully opened; 1.2µL closed. Thru-Hole 54720-U: 0.010" all others: 0.020" Pressure Rating low pressure valves: 800psi (54 bar). high pressure valves: 5000psi (338 bar).

| DESCRIPTION  | CAT. NO.           | PRICE |  |
|--|--------------------|-------|--|
| MICRO-METERING VALVE (LOW PRESSU   | RE)                |       |  |
| 1/4-28 Flangeless Fittings<br>10-32 Fingertight Fittings                       | 502367<br>502375   |       |  |
| MICRO-SPLITTER VALVE (LOW PRESSURE)  |                    |       |  |
| 1/4-28 Flangeless Fittings<br>10-32 Fingertight Fittings                       | 502383<br>502391   |       |  |
| MICRO-SPLITTER VALVE (HIGH PRESSURE)   |                    |       |  |
| 10-32 Fingertight Fittings<br>2 x 10-32, 1 x 6-32* Fingertight Fittings        | 54719-U<br>54720-U |       |  |
| REPLACEMENT FITTINGS   |                    |       |  |
| 1/4-28 Flangeless Fittings<br>Nuts & Ferrules (5 each)<br>Ferrules (pk. of 10) | 58685<br>56700-U   |       |  |
| Fingertight Fittings<br>10-32 (pk. of 10)<br>L 6-32 (pk. of 10)                | 55067-U<br>502405  |       |  |

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Chromatography

## HPLC Accessories

Priming Valves, Gauge Kits, SSI Valves, Pulse Damper



#### **OPTI-PRIME** Priming Valve for Waters Pumps

Makes priming Waters pumps a convenient, one hand operation. Replaces Waters priming system.

| DESCRIPTION   | CAT. NO.                  | PRICE |
|---|---------------------------|-------|
| OPTI-PRIME Priming Valve<br>Priming Valve with Safety Syringe<br>Safety Syringe | 59425-U<br>59426<br>59451 |       |





SSI Two-Way Shut-Off Valve

For 1/16" tubing; 1/4-28 (SSI style) fittings included. Rated to 15,000psi (1054kg/cm)

| DESCRIPTION            | CAT. NO. | PRICE |
|------------------------|----------|-------|
| Two-Way Shut-Off Valve | 58789    |       |

SSI Three-Way Stream-Splitting Valve

Each port in this valve can be connected to pressure, as in stream-splitting, or when connecting an in-line pressure gauge (open valve to read pressure, seal off to prevent contamination). The side vent model can replace the injector bypass valve on eliminating the need for extra tubing and fittings. A luer taper on Altex, LDC, Perkin-Elmer, Spectra-Physics, or other chromato-

the valve stem accepts a luer syringe for priming. Valve shutoff is graphs, and is recommended for all general applications. The bottom vent model replaces the bypass valve on a Varian 5000

provided by a soft-seal tip that withstands back pressures to 8000psi (560kg/cm<sup>2</sup>). Only Teflon, Tefzel, and 316 stainless steel chromatograph. For 1/16" tubing; 1/4-28 (SSI style) fittings come in contact with the mobile phase. Order 1/16" SSI nuts and included. Rated to 15,000psi (1054kg/m ferrules separately.

| DESCRIPTION               | CAT. NO. | PRICE |
|---------------------------|----------|-------|
| SSI Prime and Purge Valve | 58690-U  |       |

The drain port in this valve is incorporated into the valve stem,

## Upchurch Prime/Purge Valve

SSI Prime/Purge Valve

Automatic valve operation with a simple twist of the Luer-Lock syringe. Easy installation, long seal life.

| DESCRIPTION   | CAT. NO. | PRICE |
|---|----------|-------|
| Upchurch Prime/Purge Valve for<br>Waters Pumps              | 54716-U  |       |
| Upchurch Universal Prime/Purge Valve<br>(1/4 - 28 fittings) | 54718-U  |       |

## SSI Pressure Gauge Kits

Components already assembled, ready for easy installation Backed by a three-year warranty, these highly accurate  $(\pm 1.5\%)$ , glycerine-filled gauges have a 2 1/2"/6.4cm face and 1/4" NPT connection. To resist corrosion, the one-piece case and socket and the bourdon tube are made of 316 stainless steel. All fittings and SSI tee are included.

| DESCRIPTION                     | CAT. NO. | PRICE |
|---------------------------------|----------|-------|
| 0-3000psi/210kg/cm <sup>2</sup> | 58623-U  |       |
| 0-6000psi/420kg/cm <sup>2</sup> | 58624    |       |

DESCRIPTION CAT. NO. PRICE Three-Way Stream-Splitting Valve 58794 Side Vent Bottom Vent 58793

SSI LO-Pulse Damper

A pulse damper controls pump pulsations for a more stable baseline. The LO-Pulse damper is a patented unit compatible with single piston reciprocating HPLC pumps (Altex 110A, Eldex pumps, LDC Mini-Pump VS, SSI Models 200 and 300, etc.). At pressures from 500psi to 6000psi (35-420kg/cm2), it improves precision of quantitative analyses and detection limits for trace sample components. Fittings and instructions included.

| DESCRIPTION                  | CAT. NO. | PRICE |
|------------------------------|----------|-------|
| Pulse Damper                 | 58455    |       |
| Pulse Damper without Cabinet | 58442    |       |

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