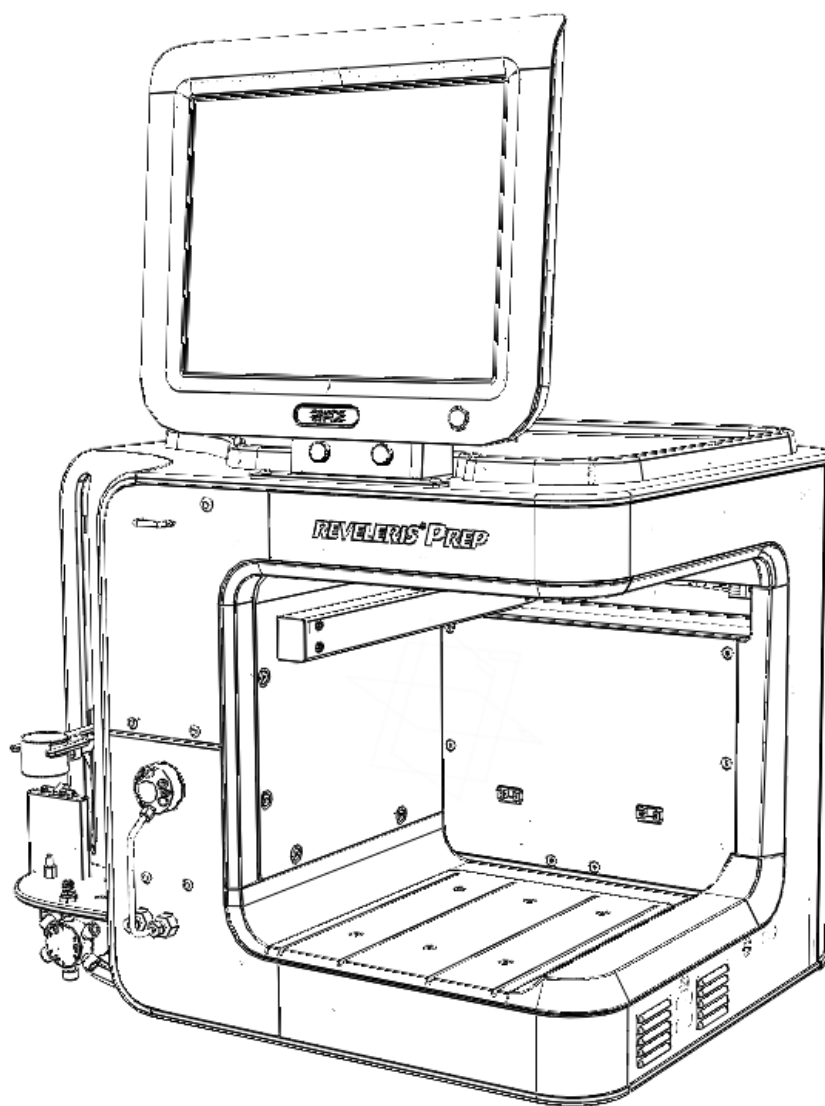




# Reveleris® Prep Purification System

Technical data sheet



## Scope of delivery

| Components                                                                               | Qty |
|------------------------------------------------------------------------------------------|-----|
| Flash Solvent Tubing Assembly                                                            | 1   |
| Flash Waste Tubing Assembly                                                              | 1   |
| Sample Bypass, 1 pc                                                                      | 1   |
| Column Bypass, 1 pc                                                                      | 1   |
| Flash Touch-Screen Stylus, 1 pc                                                          | 1   |
| Adjustable Solid Loader Plunger 3 gram, 1 pc                                             | 1   |
| Filled Solid Loader 3 gram, 1 pc                                                         | 1   |
| 1/8" Antistatic Tubing 6 ft                                                              | 1   |
| Corrugated Tubing Assembly 20 ft                                                         | 1   |
| Fraction Collector Tray Assembly, 2 pcs                                                  | 1   |
| Flash Solvent 38-430 Bottle Caps, 5pcs                                                   | 1   |
| Flash Solvent GL-45 Bottle Caps, 5pcs                                                    | 1   |
| Power Cord, 1 pc                                                                         | 1   |
| Flangeless Fitting for 1/8" Tubing, 5 pcs                                                | 1   |
| 1/8" Flangeless Ferrule and SS ring, 5 pcs                                               | 1   |
| Flangeless Fitting for 3/16" Solvent Tubing, 4 pcs                                       | 1   |
| 3/16" Flangeless Ferrule, 4 pcs                                                          | 1   |
| 1/8" PTFE Tubing 10 ft                                                                   | 1   |
| 5mL Sample Loop, 1 pc                                                                    | 1   |
| Prep Bypass Tubing, 1 pc                                                                 | 1   |
| 1/8" x .085" Stainless Steel tubing, 3 ft                                                | 2   |
| 1/8" x .085" Stainless Steel tubing, 5ft                                                 | 2   |
| 1/16" x 0.04" Stainless Steel tubing, 3ft                                                | 2   |
| 1/16" x 0.04" Stainless Steel tubing, 5 ft                                               | 2   |
| 1/16" x 0.03"ID PTFE tubing (Prep Sample Waste line), 3 ft                               | 3   |
| One piece 1/16" PEEK Hex fitting, 1 pc                                                   | 1   |
| 1/8" SS Fitting for 1/4-28 port (for prep injection valve with 1/8" OD tubing), 1 pc     | 4   |
| 1/8" SS Ferrules for 1/4-28 port (for prep injection valve with 1/8" OD tubing),<br>1 pc | 8   |
| 1/8" SS fitting for 5/16-24 port (for bulkhead and column with 1/8" OD tubing), 1 pc     | 8   |

| Components                                                                            | Qty |
|---------------------------------------------------------------------------------------|-----|
| 1/8" SS ferrules for 5/16-24 port (for bulkhead and column with 1/8" OD tubing), 1 pc | 12  |
| 1/16" SS fitting (for column with 10-32 port) 12 pcs                                  | 1   |
| 1/16" SS ferrules (for column with 1/16" OD 16ft tubing), 12 pcs                      | 1   |
| 1/8" to 1/16" Tube Reducer for 5/16-24 port (for bulkhead), 1 pc                      | 1   |
| 1/8" to 1/16" Tube Reducer for 1/4-28 port (for valve), 1 pc                          | 2   |
| Female Luer Adapter for 1/4-28 port, 1 pc                                             | 2   |
| 1/8" Flangeless Ferrule, 1 pc                                                         | 2   |
| 3/8-7/16" Wrench (for 1/8" tubing), 1 pc                                              | 1   |
| 1/4-5/16" Wrench (for 1/16" tubing), 1 pc                                             | 1   |
| 1/8" Ball Driver x 3 1/8" Long, 1 pc                                                  | 1   |
| 3/32" Ball Driver x 5 1/4" Long, 1 pc                                                 | 1   |
| Fitting Tool, 1 pc                                                                    | 1   |
| 5 Amp Fuse, 1 pc                                                                      | 2   |
| 10 Amp Fuse, 1 pc                                                                     | 2   |

## Order code

**1 4 5 1 7 2 8 6 2** Reveleris® Prep Purification System

## Technical data

|                         |                                                                                                                                                                                  |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Display                 | Windows® based graphical LCD touchscreen with full on-screen QWERTY keyboard                                                                                                     |
| Data Entry              | Touchscreen or USB connection to mouse/keyboard                                                                                                                                  |
| Solvent Delivery System | High pressure HPLC pumps, 4 independent channels with up to four solvents in a single run, auto-switches lines when solvent depletes, normal phase and reversed phase compatible |
| Pump Flow Rate          | 1 - 200 mL/min<br>(accuracy +/- 3 %, precision +/- 0.5 % in the range 4 - 200 mL/min)                                                                                            |
| Maximum Pressure        | 1700 psi (120 bar, depending on flow rate)                                                                                                                                       |

|                                              |                                                                                                 |
|----------------------------------------------|-------------------------------------------------------------------------------------------------|
| Gradients                                    | Linear, step, isocratic. 4 solvent binary.                                                      |
| Sample Injection                             | Liquid injection via 6-port loop injection valve (partial or full loop filling), 5mL loop       |
| Sample Loader                                | Self filled solid-pre-column                                                                    |
| Detector Sensitivity                         | Selectable sensitivity control high or low based on concentration of target compound            |
| UV Wavelength Range                          | 200-500 nm; up to 3 signals. Optional extension to visible wavelengths, UV-Vis 200-850 nm       |
| Flash Cartridge /<br>Prep HPLC Columns Sizes | Flash cartridge: 4-330 g luer type; up to 1500 g with adapter<br>HPLC Column: 10 mm to 75 mm ID |
| Peak detection                               | Combination of up to 3 UV signals plus ELSD with slope and/or threshold detection               |
| Fraction Collection                          | Holds two racks, with automatic rack recognition                                                |
| Power Options                                | 120/240 V, 50/60 Hz, 10 A                                                                       |
| Dimensions (W x H x D)                       | 16.75" x 21.5" x 20.5" (42.5 cm x 54.6 cm x 52.1 cm)                                            |
| Instrument Weight                            | 92 lbs (41.73 kg)                                                                               |

## Accessories

| Fraction Collection Racks      | Qty. | Order number |
|--------------------------------|------|--------------|
| Racks for 12 x 75 mm tubes     | 2    | 145148872    |
| Racks for 13 x 100 mm tubes    | 2    | 145148874    |
| Racks for 16 x 150 mm tubes    | 2    | 145148875    |
| Racks for 18 x 150 mm tubes    | 2    | 145148885    |
| Racks for 25 x 150mm tubes     | 2    | 145148886    |
| Rack for 480 mL Square Bottles | 1    | 145148873    |

| Fraction Tubes        | Qty. | Order number |
|-----------------------|------|--------------|
| 12 x 75 mm            | 1000 | 148623413    |
| 13 x 100 mm           | 1000 | 148623414    |
| 16 x 150 mm           | 1000 | 148623416    |
| 18 x 150 mm           | 1000 | 148623410    |
| 25 x 150 mm           | 500  | 148623411    |
| 480 mL Square Bottles | 24   | 148623412    |

| Solid Loaders                    | Qty. | Order number |
|----------------------------------|------|--------------|
| Empty Solid Loaders              |      |              |
| Empty 3 g                        | 100  | 145142050    |
| Empty 15 g                       | 100  | 145142051    |
| Empty 40 g                       | 50   | 145147808    |
| Filled Solid Loaders             |      |              |
| Silica 3 g                       | 20   | 145152371    |
| Silica 15 g                      | 16   | 145142034    |
| Silica 40 g                      | 12   | 145147772    |
| Adjustable Solid Loader Plungers |      |              |
| Adjustable 3 g Plunger           | 1    | 145148510    |
| Adjustable 15 g Plunger          | 1    | 145148511    |
| Adjustable 40 g Plunger          | 1    | 145148512    |
| 3 g Frit Insertion Rod           | 1    | 145162931    |
| 15 g Frit Insertion Rod          | 1    | 145162902    |
| 40 g Frit Insertion Rod          | 1    | 145162901    |
| Software options                 |      |              |
| Reveleris® UV-Vis upgrade        | 1    | 145167301    |
| Reveleris® Navigator™ upgrade    | 1    | 145156620    |