

# Syringes | eVol® XR

## Every One an Expert

eVol® XR digital analytical syringe is the coupling of two precision devices: a digitally controlled electronic drive and an XCHANGE® enabled analytical syringe.

eVol XR syringes are easily and quickly changed allowing them to be dedicated to individual liquids or methods to prevent possible cross-contamination of reagents.

### Features and Benefits

- Syringes compatible for use with eVol XR.
- Suitable for use with volatile samples.
- Variable speed of operation.
- Easily calibrated and calibration factors saved for each syringe, enabling laboratories to comply with stringent global laboratory standards (e.g. GLP, GMP, FDA).
- Programmable and able to store a laboratory workflow (up to 98 steps).
- Password protection options enabling standardization of work processes.
- Reduces the need for serial dilutions.

### Recommended Applications

- Preparation and addition of standards.
- Precise dispensing of aqueous and non-aqueous liquids.
- TLC spotting.
- Micro titrations.
- GC and LC instrument injections.
- NMR sample preparation.
- MEPS®

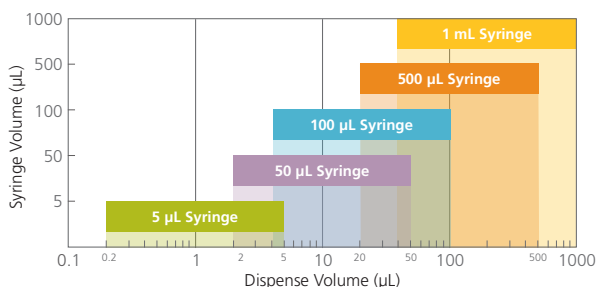


### Product Specifications

Available are:

- 5 µL eVol XR syringes available with 50 mm and 115 mm long needles.
- 50 µL eVol XR syringes available with 50 mm, 115 mm, and 180 mm long needles.
- 100 µL eVol XR syringes available with a 50 mm long needle.
- 500 µL eVol XR syringes available with 50 mm, 70 mm, 115 mm, and 180 mm long needles.
- 1 mL eVol XR syringes available with 50 mm, and 70 mm long needles.
- 50 µL, 100 µL and 500 µL removable needle eVol XR MEPS syringes available to fit MEPS BINs.

#### Volume Range of eVol XR Syringes



#### Accuracy and Precision

Volume	Inaccuracy	Precision
5 µL	± 0.2 % for calibrated syringe at full scale ± 1.0 % for calibrated syringe at 10 % scale ± 1.0 % for uncalibrated syringe at full scale	0.5 % RSD at full scale 1.0 % RSD at 10 % scale
50 µL	± 0.2 % for calibrated syringe at full scale ± 0.5 % for calibrated syringe at 10 % scale ± 1.0 % for uncalibrated syringe at full scale	0.4 % RSD at full scale 0.8 % RSD at 10 % scale
100 µL	± 0.2 % for calibrated syringe at full scale ± 0.5 % for calibrated syringe at 10 % scale ± 0.7 % for uncalibrated syringe at full scale	0.4 % RSD at full scale 0.7 % RSD at 10 % scale
500 µL	± 0.2 % for calibrated syringe at full scale ± 0.5 % for calibrated syringe at 10 % scale ± 0.5 % for uncalibrated syringe at full scale	0.3 % RSD at full scale 0.6 % RSD at 10 % scale
1 mL	± 0.2 % for calibrated syringe at full scale ± 0.5 % for calibrated syringe at 10 % scale ± 0.5 % for uncalibrated syringe at full scale	0.3 % RSD at full scale 0.6 % RSD at 10 % scale

Specifications are subject to change without notification.

For more information about this product refer to product data sheets PD-1013-G Syringes | eVol XR Kits and PD-1016-G Separations | eVol MEPS BINs, visit [www.sge.com](http://www.sge.com) or contact [techsupport@sge.com](mailto:techsupport@sge.com).