

## Liquid Master

Ideal for Sampling Various Liquids



The Liquid Master is ideal for taking samples from low and medium viscosity liquids. It is available in a range of lengths and diameters to give a range of sample volumes.

The Liquid Master is easy to use and is designed to be quickly stripped down for cleaning.

Liquid Samplers



Type: Single Point & Cross Sectional Sampling

Materials: 316L stainless steel, Food grade PTFE or standard PP

### Operation:

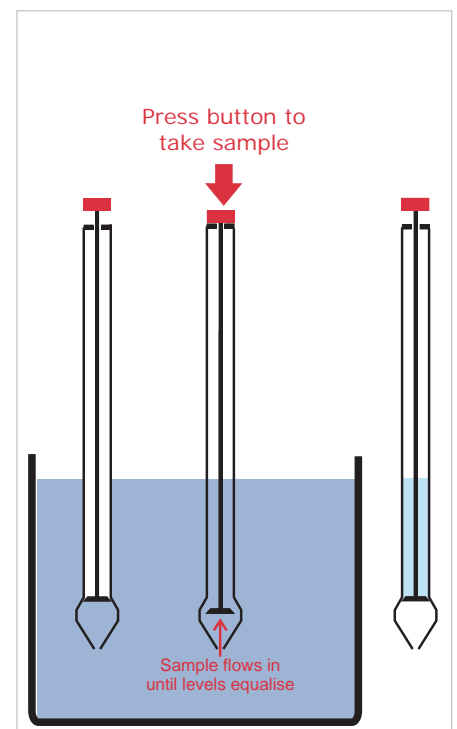
#### Technique 1 - Point Sampling

Insert the sampler. Press the push button to take the sample. Remove the sampler.

#### Technique 2 - Cross Sectional

Press the Push Button and then slowly insert the sampler into the product. As the sampler is pushed in a cross sectional sample is taken. Release the push button at the required depth to stop any more liquid from entering the Sampler. Remove the sampler.

NB. To take a large sample the sampler needs to be inserted deep into the product.

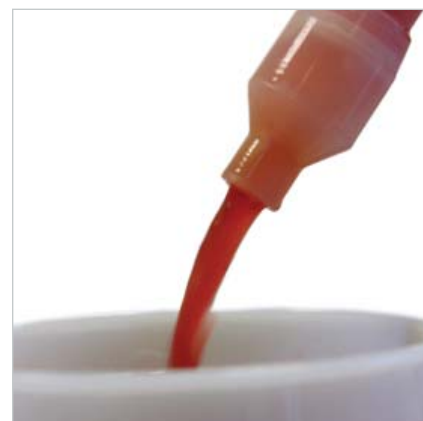




Sampler Tip  
 Seal arrangement prevents sample from dripping



Push Button to open the valve in the tip and take the sample



Quick & easy to use

5035J-1000



5035T-600



5035S-600



Part No.	Product Contact Material	Length	Maximum Sample Volume	Diameter
5035J-1000	PTFE/FEP	1000mm	500ml*	35mm
5035J-1500	PTFE/FEP	1500mm	1000ml*	35mm
5035J-2000	PTFE/FEP	2000mm	1500ml*	35mm
5035S-600	316L stainless steel & silicone O-ring	600mm	150ml**	25mm
5035S-1000	316L stainless steel & silicone O-ring	1000mm	270ml**	25mm
5035S-1500	316L stainless steel & silicone O-ring	1500mm	420ml**	25mm
5035S-2000	316L stainless steel & silicone O-ring	2000mm	500ml**	25mm
5035T-600	PTFE/FEP	600mm	150ml**	25mm
5035T-1000	PTFE/FEP	1000mm	270ml**	25mm
5035T-1500	PTFE/FEP	1500mm	390ml**	25mm
5035T-2000	PTFE/FEP	2000mm	510ml**	25mm
5035T-2500	PTFE/FEP	2500mm	660ml**	25mm
5035P-600	Polypropylene	600mm	150ml**	25mm
5035P-1000	Polypropylene	1000mm	270ml**	25mm
5035P-2000	Polypropylene	2000mm	420ml**	25mm

Cleaning Brushes - See page 184

Storage Cases - See page 186

XRF Certification - See page 196

\*A 5ml sample will be taken for every 10mm the Liquid Master is inserted into the product

\*\*A 3ml sample will be taken for every 10mm the Liquid Master is inserted into the product

## Pump Sampler

Highly effective hand operated sample pump

Pump Samplers allow the liquids to be simply and quickly sampled. The chance of cross contamination is greatly reduced by using new dip-tube and bottles for each sample.

- Suitable for use with low to medium viscosity liquids.
- Single Point Sampler
- PE, PTFE or 316L stainless steel product contact parts

### Operation:

1. Cut the sampling tube to the required length or use the pre cut sterile tube.
2. Screw the collecting bottle to the base of the hand pump.
3. Insert one end of the sampling tube through the hand pump and into the collecting bottle.
4. Drop the other end of the sampling tube into the product. At the required depth pump the handle. Several pumps will fill the sample collecting bottle.

### Pump Efficiency

The Pump Sampler is highly efficient and is able to pump water to a height of about 4m



The pump is not a product contact part. Only the tube and collecting bottle come into contact with the product

## PTFE Sampler Set

Part No. 5020T-01

### Set Includes

- 1 off plastic hand pump with PTFE bottle adapter
- 1 off PFA Bottle (180ml)
- 1 off Sampling Tube - PTFE - 5m
- 1 off Tube cutter
- 1 off Stainless steel hose weight
- 1 off Carrying case



Part No.	Description
5020T-01	PTFE Pump Sampler Set
Spares:	
5020A-09	Hand Pump - Plastic
5020A-11	Adapter for pump and PFA sample bottles (type 5020A-03 and 5020A-04)
5020T-05	Sampling Tube - PTFE - 5m
5020T-100	Sampling Tube - PTFE - 100m
5020T-100USP	USP Class VI Sampling Tube - PTFE - 100m with cert
5020A-07	Tube cutter
Bottles:	
5020A-03	Sample bottle - PFA - 90ml
5020A-04	Sample bottle - PFA - 180ml

## Use Your Existing Sample Collection Bottles

If you wish to use your own sample bottles then PTFE adapters are available for a wide variety of standard bottle neck sizes. However, if your bottle has an unusual thread we can make you a special PTFE adapter.

When ordering an adapter please post us one of your bottles.

We keep bottle adapters for GL45 threads in stock.



Part No.	Description
5020X-45P	Bottle adapter for bottles with GL45 thread. Suitable for the plastic pumps.
5020X-1	Special bottle adapter for plastic pump. Up to 50mm neck size
5020X-2	Special bottle adapter for plastic pump. Up to 100mm neck size
5020X-3	Special bottle adapter for plastic pump. Neck diameter larger than 100mm

## PE Sampler Set

Part No. 5020P-01



Set Includes:

- 1 off plastic hand pump with PE bottle adapter
- 10 off PE Bottles (100ml)
- 1 off Sampling Tube - PE - 10m
- 1 off Tube cutter
- 1 off Stainless steel hose weight
- 1 off Carrying case



Part No.	Description
5020P-01	PE Pump Sampler Set (see above for contents)
Spares:	
5020A-09	Hand Pump Plastic (without adapter)
5020A-10	Adapter for pump and PE sample bottles (type 8130A)
5020P-100	Sampling Tube - PE - 100m with general cert
5020P-101	Sampling Tube - PE - 100m with batch cert
5020A-07	Tube cutter
Bottles:	
8130A-100	Sample bottle - PE - 100ml
8130A-250	Sample bottle - PE - 250ml
8130A-500	Sample bottle - PE - 500ml
8130A-1000	Sample bottle - PE - 1000ml

## Stainless Steel Sampler Set

Part No. 5020S-02



Set Includes:

- 1 off stainless steel hand pump and stainless steel bottle adapter
- 10 off PE Bottles (100ml)
- 1 off Sampling Tube - PE - 10m
- 1 off Tube cutter
- 1 off Stainless steel hose weight
- 1 off Carrying case



Part No.	Description
5020S-02	Stainless Steel Pump Sampler Set
Spares:	
5020S-01	Hand Pump Stainless Steel
5020P-100	Sampling Tube - PE - 100m
5020T-100	Sampling Tube - PTFE - 100m
5020A-07	Tube cutter
Bottles:	
8130A-100	Sample bottle - PE - 100ml
8130A-250	Sample bottle - PE - 250ml
8130A-500	Sample bottle - PE - 500ml
8130A-1000	Sample bottle - PE - 1000ml

## Pre-cut & Pre-sterilised Tube



Individually bagged LDPE tube ready to use straight from the bag.

- Made from LDPE which conforms to FDA, EC 1935/2004 & EU 10/2011
- Individually bagged
- Available sterile

Part No.	Tube Length	Sterile	Qty Per Box
5020L-01	1m	No	100
5020L-01S	1m	Yes	100
5020L-02	2m	No	20
5020L-02S	2m	Yes	20
5020L-04	4m	No	15
5020L-04S	4m	Yes	15

## Bottle Sampler

Takes Samples Straight into the bottle

The Bottle Sampler takes samples straight into the bottle. The spring loaded mechanism means that liquid only flows in when the handle is squeezed allowing samples to be taken from set locations.

- Low to medium viscosity liquids.
- Single Point liquid sampling
- Sampler body - 316L stainless steel, Bottle - glass

Ideal for taking quick samples direct into the bottle. The sampler is available with a cover that goes over the bottle to stop the bottle from getting wet.

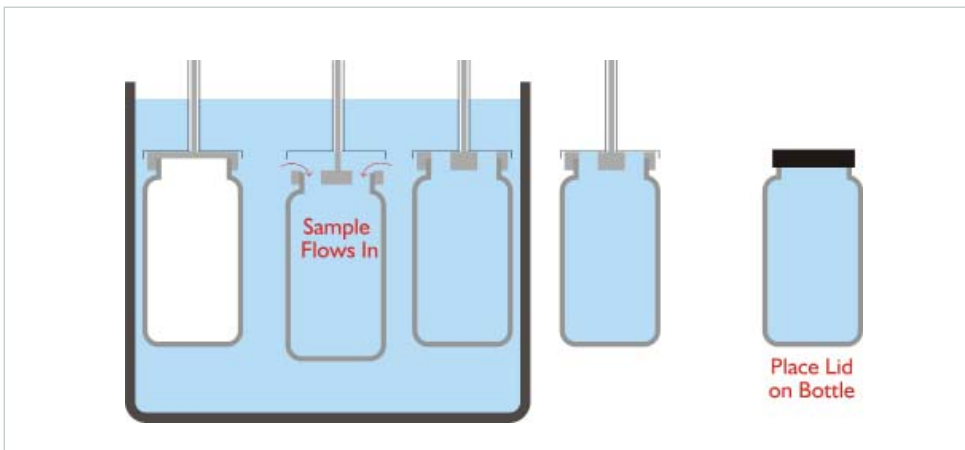


Sampler with protective cover that also helps to keep the bottle dry during sampling



Bottle Sampler with protective Bottle Cover

Bottle Sampler without Bottle Cover



Part No.	Overall Length	Bottle Cover	Bottle Size
5031S-1000	1000mm	No	500ml
5031C-1000	1000mm	Yes	500ml
5031S-1500	1500mm	No	500ml
5031C-1500	1500mm	Yes	500ml

Accessories	
8020N-1100	Narrow cleaning brush - 1100mm
8020N-1600	Narrow cleaning brush - 1600mm
5031B-500	Spare 500ml Bottle
XRF Certification	See page 196

## Cup Sampler

Suitable for high and low viscosity liquids and suspensions

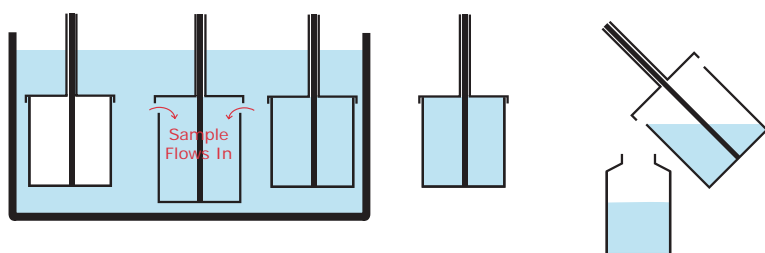
The ever popular Cup Sampler is ideal for sampling liquids and suspensions. The device is manufactured from 316 stainless steel. The Cup Sampler enables discrete samples to be easily taken from known heights within the product.

- Single Point Liquid Sampler
- 316L stainless steel product contact parts



### Operation

1. Insert the sampler to the required depth.
2. Squeeze handle which pushes the cup away from the lid, allowing the liquid to enter the cup.
3. After filling remove the sampler. To empty the sampler either tip the sampler whilst squeezing the handle or unscrew the collecting cup.



5030A-600



Part No.	Overall Length	Nominal Cup Volume	Max. Diameter of Cup
5030A-600	600mm	100ml	55mm
5030A-1000	1000mm	100ml	55mm
5030A-1500	1500mm	100ml	55mm
5030J-1000	1000mm	500ml	80mm
5030J-1500	1500mm	500ml	80mm

### Accessories

8020N-1100	Narrow Cleaning Brush - 1100mm
8020N-1600	Narrow Cleaning Brush - 1600mm
Storage Cases	See pages 186-187
XRF Certification	See page 196

## Fluid Point Sampler

Take liquid samples from a known point



The Fluid Sampler is ideal for sampling pharmaceuticals, cosmetics and food stuffs. The design allows rapid point sampling from drums, kegs and most containers. To take a sample simply insert the sampler into your liquid and then pull the handle to take the sample. After sampling push down the handle to eject the sample.

- Manufactured in 316L stainless steel with a silicone seal (FDA grade)
- Available in different lengths
- Easy to clean
- Available from stock for fast delivery worldwide



Part No.	Length	Diameter	Max. Sample Volume	Material
5551S-600	600mm	25mm	160ml	316L ss
5551S-1000	1000mm	25mm	300ml	316L ss
5551S-1500	1500mm	25mm	450ml	316L ss

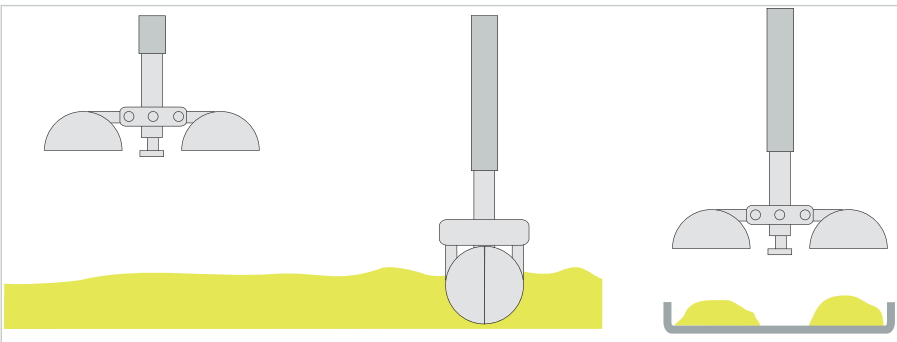
Liquid Samplers

## Snapper

Snaps Shut to Capture Sediment & Sludge

The Snapper has been specially designed to take samples of sediment and sludge in rivers, wells, tanks etc.

- Simple to use
- Holds approximately 250ml
- Automatically snaps shut on contact with the sediment
- Spring loaded mechanism
- Use with the telescopic pole that extends up to 4.5m



Part No.	Description
5061A-250	Snapper - 250ml sample volume
5061T-4500	Telescopic rod. Extends up to 4.5m

## Utility Dipper

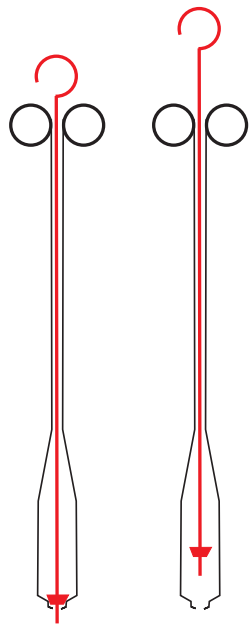
Simple Liquid Sampler

An all stainless steel sampler suitable for sampling liquids and suspensions.

- Takes a sample at the surface of the liquid
- Made from 316L Stainless steel

### Operation

1. Insert the sampler into the product. The liquid will flow into the sampler.
2. Withdraw the sampler from the product
3. Raise the centre control rod (shown in red) to discharge the sample



Raise the centre control rod (shown in red) to discharge the product



Part No.	Overall Length	Nominal Cup Volume	Max. Diameter of Cup
5170A-50	460mm	50ml	32mm
5170A-100	540mm	100ml	32mm



## Do you have a good idea?

Sampling systems are always happy to hear your ideas and suggestions.

However big or small your idea please contact us. The concepts for many of the samplers in our range originated from customer feedback, requests and ideas.





## Multi Dipper 2

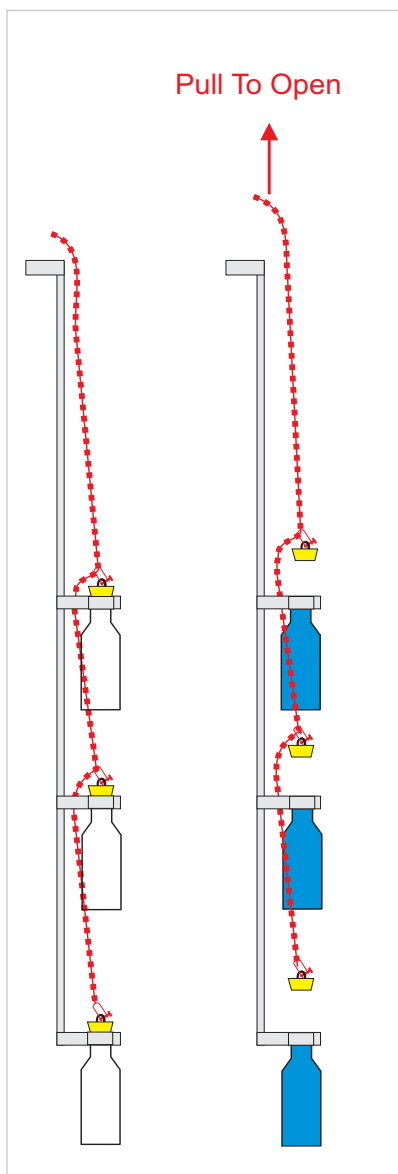
Multilevel Liquid Sampler

The Multi Dipper 2 is the ideal solution for taking liquid samples from different levels. The sample collection bottles remain closed until the operator uses the control chain to remove the stoppers.

High security stainless steel shackles are used to secure the plugs to the control chain

Product contact parts are:

- Sampler frame 316L stainless steel
- Control Chain 316L stainless steel
- Plugs 316L stainless steel
- Plug Shackles 316L stainless steel
- Sample Bottle HDPE



Liquid Samplers

### Operation

1. Screw the bottle into the holders
2. Insert the plugs into the tops of the sample bottles
3. Connect the Control Chain to the plugs
4. Insert the assembled sampler into the liquid to be sampled
5. Pull on the Control Chain to open the bottles
6. Remove from the liquid tank



Part No.	Overall Length	Bottles
5045A-1000	1000mm	3 x 250ml included (8165A-250)
5045A-1500	1500mm	3 x 250ml included (8165A-250)
5045A-2000	2000mm	3 x 250ml included (8165A-250)
8165A-250	Spare sample bottle - HDPE - 250ml	

Special sizes and designs are available on request

## U-D Doser

Accurate Unit Dose Sampling

Ideal for accurately sampling specific volumes of liquids. Designed specifically for unit dose sampling of liquids in the pharmaceutical industry.

- Suitable for sampling low to medium viscosity liquids.
- Ideal for low volume (unit dose) sampling.
- Made from Sampler body - 316 stainless steel, Syringe - PP & PE

Sample Chamber is designed so that the outside of the syringe is not contaminated during sampling. The syringe can therefore be used as a carrying container for taking the sample back to the laboratory.

### Operation



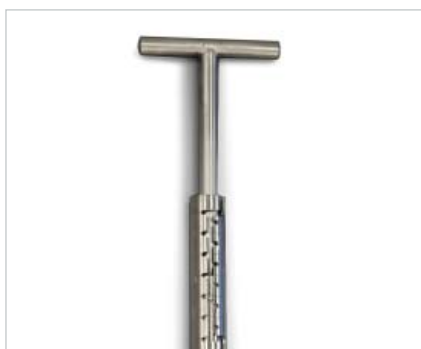
1. Select a new syringe



2. Connect the syringe to the push rod



3. Attach outer cover. The sampler is now ready for use.



4. Pull up handle to take the sample, the graduations allow an accurate sample to be taken



Liquid Samplers



5ml U-D Doser		30ml U-D Doser		60ml U-D Doser	
Part No.	Length	Part No.	Length	Part No.	Length
5010A-600	600mm	5010B-600	600mm	5010C-600	600mm
5010A-1200	1200mm	5010B-1200	1200mm	5010C-1200	1200mm
5010A-1800	1800mm	5010B-1800	1800mm	5010C-1800	1800mm
Spare - 5ml syringes		Spare - 30ml syringes		Spare - 60ml syringes	
5010S-05	Pack of 100	5010T-30	Pack of 56	5010T-60	Pack of 40
Options	Cleaning brushes	See page 184			
	Storage cases	See pages 186-187			
	XRF Certification	See page 196			