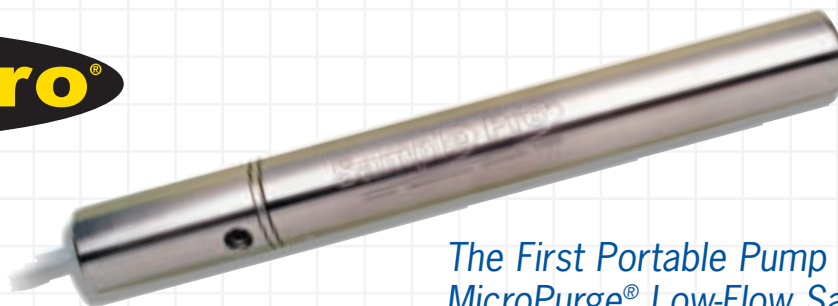


Portable Sampling Pumps

Sample Pro®



*The First Portable Pump for
MicroPurge® Low-Flow Sampling.*

The Sample Pro® Portable Pump is the first pump developed specifically to bring the advantages of low-flow sampling to sites requiring portable pumps. The Sample Pro Pump is not only able to deliver consistent low-flow rates, it's easy to disassemble without tools, simple to clean and truly field rugged.

Unlike many other portable pumps, it is cool-running and can be operated by a lightweight backpack controller. There are no high speed rotating parts, no sample or motor heating, no costly motor replacement.

Sample Pro is the only pump available with these 3 innovations for portable low-flow sampling.

- Easy, rapid disassembly — 1/4 turn, no tools
- Pull-off bladder for fast replacement
- Integral push-in tubing connections only from QED, the originators of MicroPurge® low-flow equipment and Well Wizard® bladder pumps, the most widely used sampling pumps.



Sample Pro's reliability and low maintenance make it more economical. Its bayonet-type, twist-open design makes it easy to change the pull-off, disposable bladder in seconds. The compact 14.75" long size fits in a pail for pumping during cleaning. But, Sample Pro's innovations don't stop there. The pump is available with conventional compression fittings for tubing connections, or with a push-in head that's perfect for applications where the tubing is discarded frequently. Sample Pro's rugged, all-stainless construction will stand up to tough portable use. The simple yet effective design avoids the high maintenance expenses and destructive failure modes of other pumps.

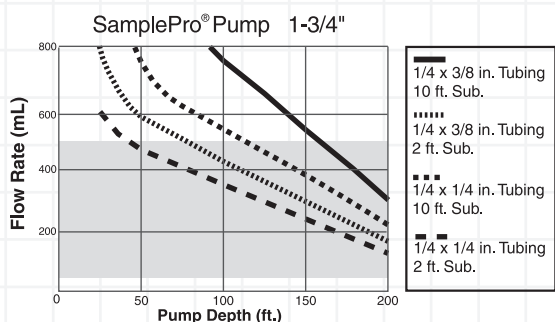
The Sample Pro Portable Pump uses a quick-change, one-piece bladder design. Compressed gas squeezes the outside of the bladder to gently force liquid out of the pump; there is no gas contact with the pumped water inside the bladder, making it the perfect choice for VOC sampling.

Squeeze type bladder pumps are supported by years of independent research that shows they provide accurate samples for even the most sensitive parameters. Water enters the pump through the inlet in the upper, head section, then flows down into the bladder. The high inlet helps keep the pump from clogging if it is accidentally lowered into a sediment-filled sump.

Check valves with stainless steel seats and Teflon® check balls are located at the inlet and outlet. A replaceable inlet screen is provided for wells with high solids levels to help ensure proper sealing of the check valves. The Sample Pro Pump is shipped in a heavy-duty tube with rubber end caps to help keep the pump clean and protected between uses and is available in two diameters: 1.75" (4.45 cm) to fit in 2" (50 mm) monitoring wells or larger; and 3/4" (1.91 cm) to fit into small diameter monitoring wells and direct-push boreholes.



The pump is disassembled by a 1/4 turn of the cap and body; no tools are needed. The bladder pulls off for replacement. Both check valves are press-in, pull-out design and use the same size Teflon® check ball. Compression-type and push-in tube fitting kits are available and can be used interchangeably. Both options provide high pull-out strength and a cable eye is included for applications where a support cable is desired.



Specifications

Pump Model	Sample Pro 3/4 in.	Sample Pro 1-3/4 in.
Body Materials	316 Stainless Steel	316 Stainless Steel
Inlet & Discharge Housing	303 Stainless Steel	303 Stainless Steel
Bladder	Polyethylene or Teflon®	Polyethylene or Teflon®
O-rings	Viton®	Viton®
Teflon is a registered trademark DuPont. Viton is a registered trademark of DuPont Dow Elastomers.		
Dimensions		
Diameter	0.75 in. (19 mm)	1.75 in. (47 mm)
Length	10.75 in. (273 mm) with Push-in Fittings 9.18 in. (233 mm) from Bottom of pump to centerline of inlet	14.75 in. (375 mm) with Compression Fittings 16.5 in. (419 mm) with Compression Fittings 12.1 in. (307 mm) from Bottom of pump to centerline of inlet
Weight	0.5 lbs. (0.23 Kg)	4.25 lbs. (1.93 Kg)
Fittings	Push-in Fitting w/ 316 Stainless Steel Grab Plate	Push-in Fitting w/ 316 Stainless Steel Grab Plate
Air	0.125 in. (3.2 mm) OD	0.25 in. (6.4 mm) OD
Discharge	0.25 in. (6.4 mm) OD	0.25 in. (6.4 mm) or 0.375 in. (9.5 mm) OD
Maximum Lift	200 ft. (61 m)	250 ft. (61 m)
Pump Volume	0.33-0.50 oz (10-15 mL)	3.34 oz (100 mL)

Consultant Kits

3/4" Pump

SP-3/4-PK 3/4" Sample Pro® Consultant Kit with 1/8" + 1/4" Push-in Fitting Pump, includes Tool Box, Polyethylene Bladder Kit (10 bladders), O-Ring Kit, Grab Plate Kits (10), Tubing Cutter, Cleaning Brush Kit, Check Ball Kit, 1/8" Air Fitting, Needle Nose Pliers, Tubing Insertion Tool, O-Ring Extractor.

1-3/4" Pump

All 1-3/4" Sample Pro Pump Consultant Kits below include Pump, Connector Kit, Tool Box, Bladder Kit (10 bladders, material listed below), O-Ring Kits (10 sets), Check Ball Kit (5), Inlet Screens (10), Air Fitting, Portable Cap, Tubing Cutter, Cleaning Brush Kit.

MP-SPK-4P pump with push-in connection for 1/4" x 1/4" tubing, polyethylene bladders, 10 SS tubing grab plates.

MP-SPK-6P pump with push-in connection for 3/8" x 1/4" tubing, polyethylene bladders, 10 SS tubing grab plates.

MP-SPK-4P-T pump with push-in connection for 1/4" x 1/4" tubing, Teflon bladders, 10 SS tubing grab plates.

MP-SPK-6P-T pump with push-in connection for 3/8" x 1/4" tubing, Teflon bladders, 10 SS tubing grab plates.

MP-SPK-4C pump with compression nut connection for 1/4" x 1/4" tubing, polyethylene bladders, 5 sets of compression nuts and ferrules.

MP-SPK-6C pump with compression nut connection for 3/8" x 1/4" tubing, polyethylene bladders, 5 sets of compression nuts and ferrules.

MP-SPK-4C-T pump with compression nut connection for 1/4" x 1/4" tubing, Teflon bladders, 5 sets of compression nuts and ferrules.

MP-SPK-6C-T pump with compression nut connection for 3/8" x 1/4" tubing, Teflon bladders, 5 sets of compression nuts and ferrules.