

# SamplePro Groundwater Sampling Pump

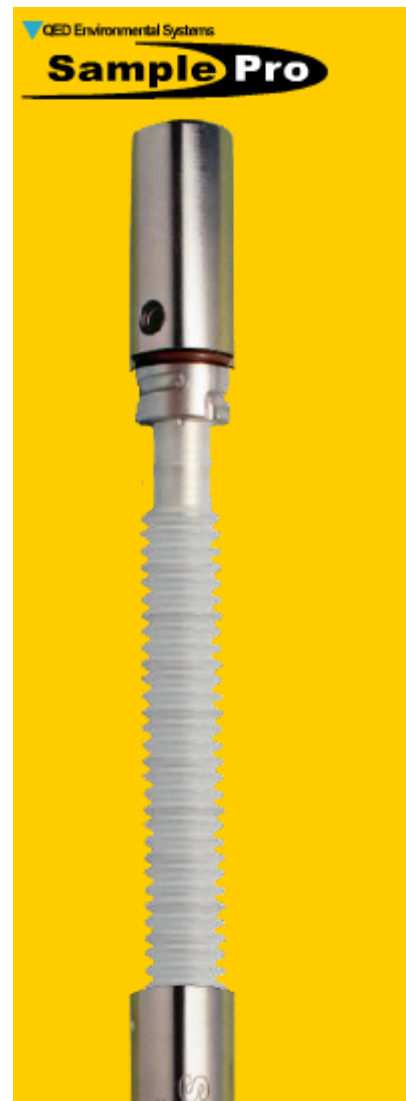
*The First Fully Take-Apart Sampling Pump For Low-Flow Sampling And Direct-Push Groundwater Sampling Applications*

The Sample Pro Portable MicroPurge Pump is the first pump developed specifically to bring the advantages of low-flow sampling to sites where groundwater samples are collected from many monitoring wells with the same pump. The Sample Pro Pump is easy to disassemble, without any tools, and simple to clean to eliminate any potential cross contamination. That includes the exclusive SamplePro disposable bladder, which snaps in and out without any clamps, so they can be discarded after each well is sampled.



The SamplePro pump is available in two diameters: 1.75" (4.45cm) to fit in 2" (50mm) monitoring wells or larger; and 3/4" (1.91 cm) to fit small diameter wells and direct-push boreholes. Both pump models are capable of pumping from depths up to 200 feet (61m).

## How the SamplePro Works



The SamplePro Portable MicroPurge Pump uses a quick-change, one-piece bladder design. Compressed gas squeezes the outside of the bladder to force liquid out of the pump; there is no gas contact with the pumped water inside the bladder.

Squeeze type bladder pumps are supported by years of independent research that shows they provide unaltered samples for even the most sensitive parameters.

Groundwater 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 check balls are located at the inlet and outlet. Inlet screens are replaceable to help ensure proper sealing of the check valves in wells with high solids levels. 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.

The pump is disassembled by a 1/4 turn of the cap and body; no special tools are needed. The bladder pulls off for replacement. Both check valves are press-in, pull-out design, and use Teflon for the fluid inlet and stainless steel in the fluid discharge.

Push-in tube fitting kits provide high pullout strength, but a cable eye is also included for applications where a support cable is desired.

With the [MP15 Control & Power Pack](#) and the [Sampling Consultant's Kit](#) (below), one person can carry everything needed to sample a multi-well site.

## SamplePro Advantages

- ▼ Exclusive Sample Pro disposable bladder is quick & easy to replace in the field, for fast cleaning.
- ▼ Rugged, reliable, complete system designed for easy use in the field.
- ▼ Quick 1/4 turn disassembly with no tools means simple, fast and complete field cleaning. Disposable bladders and push-in tubing replace in seconds, speeding you on to the next well.
- ▼ Solid stainless steel construction is truly durable, with no motors, bearings, or impellers to go bad. Even if the pump fills with silt, it can be put into action again with a quick, simple cleaning. Output pressure is strong and controllable.
- ▼ Direct push technology and low flow sampling reduce the costs of well installation, sampling and purge water handling. This is the only sampling pump that minimizes turbidity and silting caused by the well surging of other devices such as bailers and jerk samplers, and collects quality samples from small diameter wells at significant savings.

## Specifications



<b>Pump Model</b>	<b>SamplePro 3/4"</b>
<b>Outside Diameter</b>	0.75 in (19 mm)
<b>Length</b>	10.75 in (273 mm) with Push-In Fittings 9.18 in (233 mm) from Bottom of pump to centerline of inlet
<b>Weight</b>	0.5 lbs (0.23 Kg)
<b>Maximum Lift</b>	200 ft (61m)
<b>Volume per Stroke*</b>	0.33 - 0.50 oz (10 - 15 ml)
<b>Materials of Construction</b>	
• Body and Cover	316 Stainless Steel
• Inlet, Discharge & Head	303 Stainless Steel
• Bladder	Polyethylene
• O-Rings	Viton®
<b>Fitting Type</b>	Push-in Fitting w/ 316 Stainless Steel Grab Plate
• Air Fitting	1/8 in (3.2mm) OD
• Fluid Discharge	1/4" (6.4 mm) O.D.
<b>Pump Part Numbers</b>	SP-3/4-P



<b>Pump Model</b>	<b>SamplePro 1-3/4"</b>
<b>Outside Diameter</b>	1.75 in (47 mm)
<b>Length</b>	14.75 in (375 mm) with Push-In Fittings 16.5 in (419 mm) with Compression Fittings 12.1 in (307 mm) from Bottom of pump to centerline of inlet
<b>Weight</b>	4.25 lbs (1.93 Kg)
<b>Maximum Lift</b>	200 ft (61m)
<b>Volume per Stroke*</b>	3.34 oz (100 ml)
<b>Materials of Construction</b>	
• Body and Cover	316 Stainless Steel
• Inlet, Discharge & Head	303 Stainless Steel
• Bladder	Polyethylene
• O-Rings	Viton®
<b>Fitting Type</b>	Push-in Fitting w/ 316 Stainless Steel Grab Plate
• Air Fitting	1/4" (6.4 mm) O.D.
• Fluid Discharge	1/4" (6.4 mm) or 3/8 in (9.5mm) O.D.
<b>Pump Part Numbers</b>	MP-SP-4P (1/4" discharge, push-in fittings) MP-SP-4C (1/4" discharge, compression fittings) MP-SP-6P (3/8" discharge, push-in fittings) MP-SP-6C (3/8" discharge, compression fittings)