Fluid Sampling Pumps

with stand

Sampling Pumps

The fluid sampling pump is designed to draw a vacuum of 27 inches of Hg (Mercury). The patented tube coupling device accepts any size sampling tube (with an outside diameter of 3/16" through 5/16") without changing the fittings. **The sampling tube is inserted through the coupling device until the lower end extends below the top of the sample bottle.** When the knurled knob is turned to tighten the seal, the vacuum will draw fluid directly into the bottle without coming in contact with the pump. **The patented feature allows multiple samples to be taken without cleaning the pump between samples.**

Sampling Containers

Any bottle that has thread size of 38 mm will fit the pump. Usually the plastic bottles in sizes of 2, 4, 8, 16, and 32 ounces are available in the market from many manufacturers.

Application

This pump can be used for many applications; here are some proven applications: oil sampling, environmental related fluids, chemicals, water, hazardous fluids that are not easily accessible otherwise.

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Fluid Sampling Pumps

Instructions

The fluid sampling pump is designed to make it easier to draw representative oil and fluid samples from heavy equipment, machinery, transformers and reservoirs.

Folding Stand

Helps reduce contamination of the sample by keeping the pump out of dirt. Allows the pump to be left in an upright position while the person sampling uses his hands to climb, replace a dip stick, change jars etc. When finished, the stand may be folded back for storage.

It is very important that oil or fluids are not drawn or allowed to leak back into the valve or cylinder area. This not only results in cross-contamination of samples, but will cause leakage or loss of vacuum at the flapper valve. *Keep flapper valve free and clean of oil fluids and dirt.*

Vacuum Release Valve

Push the button to instantly release the vacuum. This prevents over filling and the mess that results. *Always keep valve clean and free of oil and dirt.*

Coupling Device Knob

The easy to turn "CD Knob" takes either 3/16", 1/4", 5/16" O.D. Poly Tubing. It requires only a turn or two of the "CD Knob" to insert a clean tube or change to another size. It is not necessary to remove the "CD Knob". A drop of oil on the "O Ring" will make it easier to insert tube.

Always insert the tube completely through the "CD Knob" to just below the top of sampling container. This prevents oil or fluid from touching the sample pump.

Piston & Cylinder

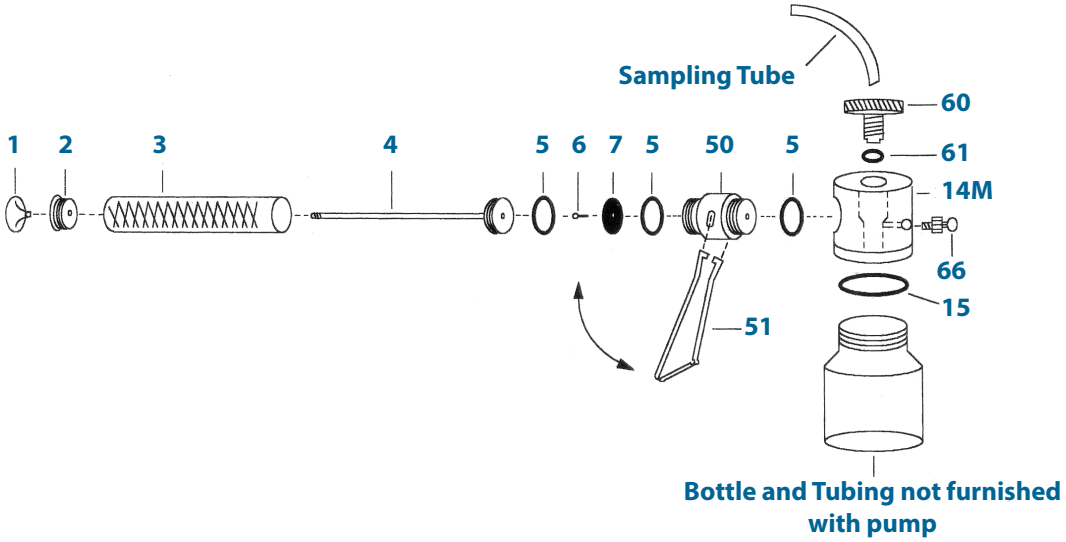
A couple of drops of light oil through the hole in the header nut, will lubricate this area and make pumping easier. Never oil the piston on the side next to the flapper valve, as too much oil here causes the valve to malfunction.

Warranty

The fluid sampling pump is warranted for 60 days from date of purchase against defects in material or workmanship. Defective parts will be repaired or replaced at no cost to the customer when the pump is returned PREPAID to:

Fluid Sampling Pumps

schematics



Part Number	Description
1	Pull Handle
2	Headernut
3	Cylinder
4	Piston & Rod Assembly
5	O-Ring, Piston
6	Machine Screw
7	Flapper Valve
14M	Clear Acrylic Head
15	O-Ring, Jar
50	Valve Box with Slots
51*	Folding Stand
60	Coupling Device Knob
61	O-Ring, Sample Tube
66	Vacuum Release Valve
3801	Repair Kit

* only available with Fluid Sampling Pump with stand (Part #120-3897)