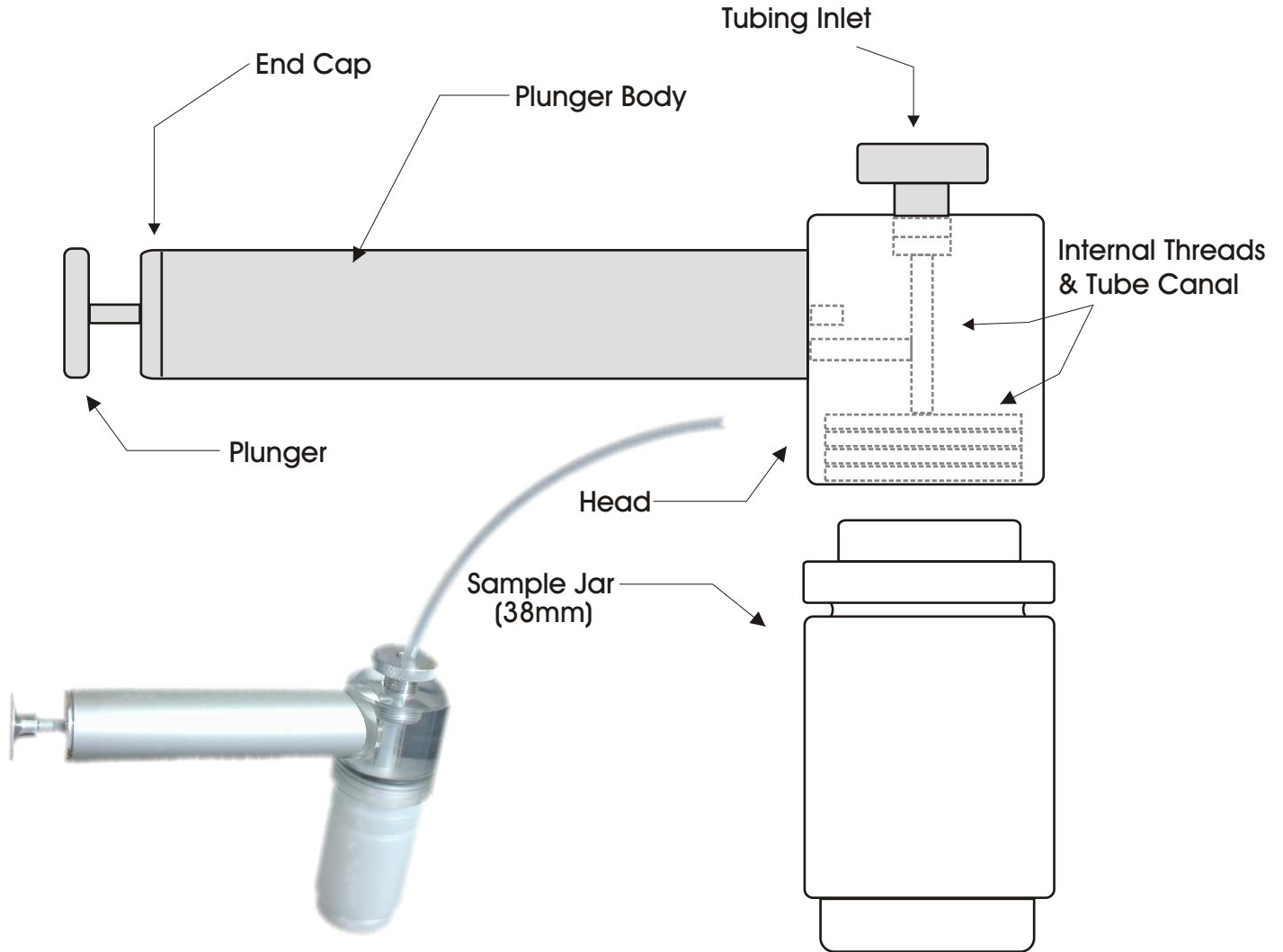


# Vampire Sampling Pump



The Vampire pump is easy to use and simplifies the task of extracting fluid samples for testing purposes. There is very little assembly and this suction pump is highly durable for industrial applications.

Please see directions for use on the next page.

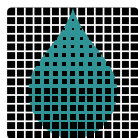


# Directions for Use

1. Run the engine sufficiently to warm all of the oil in the sump taking into account the sump volume and current oil temperature.
2. Once the oil is warm, shut off the engine. Proceed with the sampling procedure quickly before settling occurs in the sump.
3. To use the 38mm Vampire Pump, screw a sample jar onto the bottom of the pump head.
4. Insert the tubing through the top of the pump only until it is protruding into the sample bottle by 1-2 cm. Tighten the aluminum nut to seal the unit.
5. Place the free end of the tubing into the reservoir, etc. that you are sampling. Insert a new tube through the dipstick or filler neck holes to approximately the midpoint of the oil. Take care not to sample directly on the bottom of the sump to avoid sampling any contaminants which may have settled there (water, glycol etc.). 2-3 strokes of the plunger are all that are usually required. Try to keep the pump level and be careful not to draw oil into the plunger body or overfill the bottle, as this will require disassembling and cleaning the pump. Use only clean, new sample containers. Take care to avoid skin contact with used oil. Do not overfill sample container (approx. 80% full).
6. As the oil level in the bottle nears the top, loosen the aluminum nut to break the vacuum and stop the flow. Always leave 1-2 cm of airspace in the bottle, and always tighten the lid after the sample has cooled.
7. Label immediately with full sample details (Unit #, engine type, date, km on oil, km on unit, oil type and grade, repairs/service during drain interval - "too much" information is better than "too little").
8. A 38mm bottle has been provided to use for flushing the tubing between samples. Once the tubing is in place you are ready to draw the next sample, use the unmarked bottle to draw some oil and flush the previous sample from the tubing.
9. Ship the sample to the appropriate analysis laboratory quickly. Do not stockpile samples for shipping.

Consult your Regional Account Manager for any questions  
about Fluid Life Products.

*...because what happens on the inside really counts*



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