

SA-77 SAMPLER MULTISTROKE SAMPLER OSCILLATOR OPERATION INSTRUCTION

RUN / STOP (Push / Pull Knob)

The push pull knob runs the sampler. Push the knob in to start the sampler. Note that when the sampler jar is full the process pressure will push this knob out which shuts down the sampler. Each time a new sampler is being started this knob will have to be pushed in to put the run mode.

Cycle Time Adjustment

To adjust the time period of the samplers cycle use the Amot 2727 valve that feeds supply pressure to the volume bottle and the Humprey cycle relay. Opening this valve will speed up the cycle time.

Sample Size Adjustment

The sample accumulator (sizer similar to that found on a Barton FRA Sampler) can be adjusted to change the size of sample taken in each stroke of the sampler. To increase the size of sample per cycle adjust the sizer to a lower number.

Bottle Shut-off Adjustment

To properly set the automatic bottle shut-off valve:

Fill jar with desired volume of fluid to be sampled and attach jar to automatic shut-off.

Adjust stem (adjust stem to cage cap assembly) to the point where proper shut-off occurs.

At proper setting tighten lock nut on stem (located on lower part of stem.)

Supply and Process Connections

Connect a clean & continuous pneumatic supply of 15 to 40 psi instrument air or gas to the 1/8" npt port on the sampler marked "Control Signal"

Mounting

The sampler is supplied with a metal "L Bracket" which is bolted to the samplers manifold. There are two 2" pipe clamps included to allow the sampler to be mounted to 2" field piping that is either horizontal or vertical.