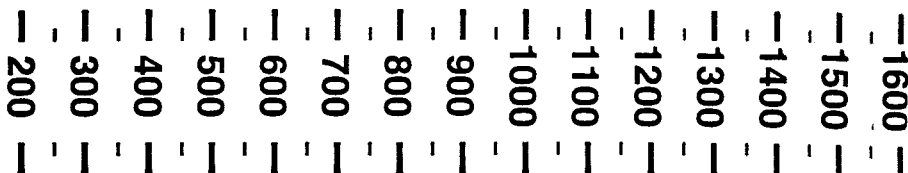


VOLUME - CUBIC CENTIMETERS



SAMPLER SETTING PROCEDURE -

The time over which the sample is taken is determined by the shot chamber volume. The proper setting can be calculated using the following formula :

$$\frac{\text{VOLUME (CC)}}{\text{PULSE RATE (pulse/hr) X TOTAL COLLECTION PERIOD (hr)}}$$

Example : Assume that the air supply used to drive the Sampler has a pulse rate of 30 pulses per hour. To sample 1500 cc of liquid over a 12 hour period the formula is used as follows to compute shot volume.

$$\frac{(1500 \text{ cc})}{(30 \text{ pulse/hr}) \times (12 \text{ hr})} = 4.17 \text{ CC}$$