

MSA Solaris™ Aspirator Assembly (P/N 10050333)

The Solaris Aspirator Assembly must be used with the MSA WaterStop® Sample System and Calibration Cap (P/N 10044925).

⚠ WARNING

Do not use calibration cap when operating instrument in diffusion mode; otherwise, sample will not reach sensors.

Use aspirator to sample only:

- Methane
- Hydrogen
- Oxygen
- Propane
- Butane
- Carbon Monoxide
- Pentane
- Ethane
- Hydrogen Sulfide

Sampling other gases may cause lower than actual readings.

Failure to follow this warning can result in serious personal injury or death.

Operation and Use

1. Attach the calibration cap securely to the Solaris unit by using the thumb screw provided on the calibration cap (FIGURE 1).
2. Attach the aspirator sample line to the calibration cap with the male luer fitting.

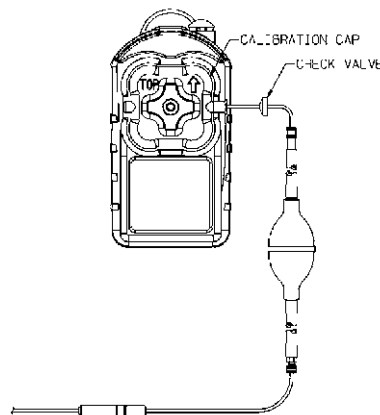


Figure 1. Remote Sampling with the Solaris Detector

3. Attach the WaterStop Sample Probe [with additional MSA tubing, if desired (25-foot maximum)] to the male end of the aspirator assembly.
4. Block the sample line or probe inlet and squeeze the aspirator bulb.
 - With long sample line lengths (up to 25 feet), the bulb may slowly inflate, as a vacuum is drawn in the sample line; squeeze the bulb one more time if necessary.
 - The bulb should now remain deflated; if bulb inflates, check for leaks and tighten as necessary.
5. Place the end of the probe at the point the sample is to be taken.

6. Squeeze the bulb ten times, allowing it to fully inflate between squeezes.

- Note the readings.

⚠ WARNING

Readings may be up to 10% (of total gas volume) lower than actual when using aspirator. It is necessary to take action at a more conservative concentration to compensate for this difference. Failure to follow this warning can result in serious personal injury or death.

NOTE: Due to pulsations introduced by the Aspirator Bulb Assembly, instability of the readings may occur. Allow the readings to stabilize for three or four seconds after the bulb is squeezed; then, note the readings.