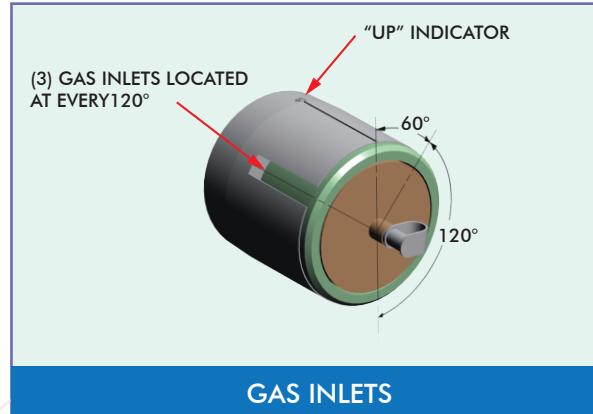


## Gas Detector Cover Lets Gas In, Keeps Rainwater Out

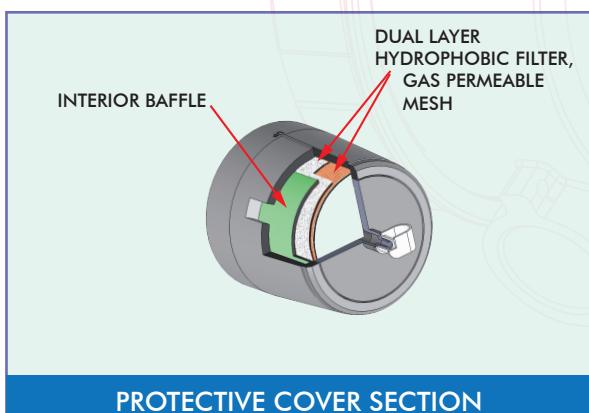
ESP Safety's innovative design allows the SGOES Combustible Gas Detector to function flawlessly in adverse weather conditions



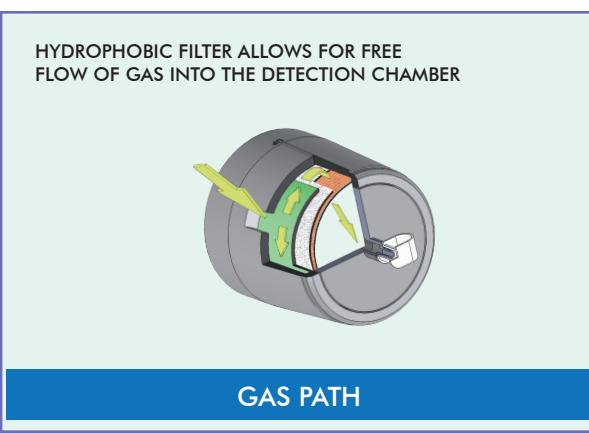
The detection chamber of the SGOES Combustible Gas Detector is protected by a flame retardant nylon cover that allows for maximized flow of the target gas through the detection chamber while preventing rainwater from inhibiting detector function.



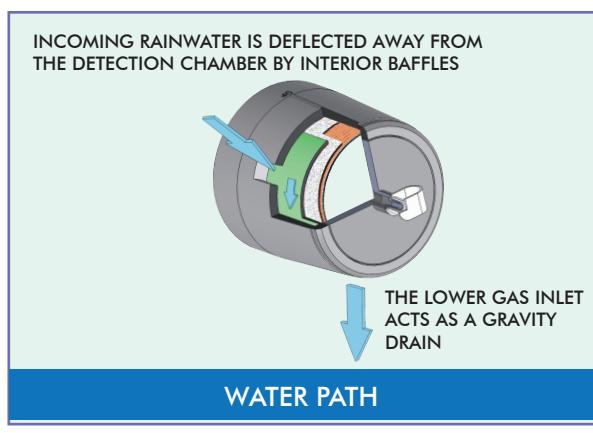
There are three (3) gas inlets on the protective cover, 120 degrees apart. When properly installed, the protective cap is oriented such that the embossed "UP" indicator is at the 12 o'clock position and the top gas inlets are 60 degrees on either side of the vertical plane.



**PROTECTIVE COVER SECTION**

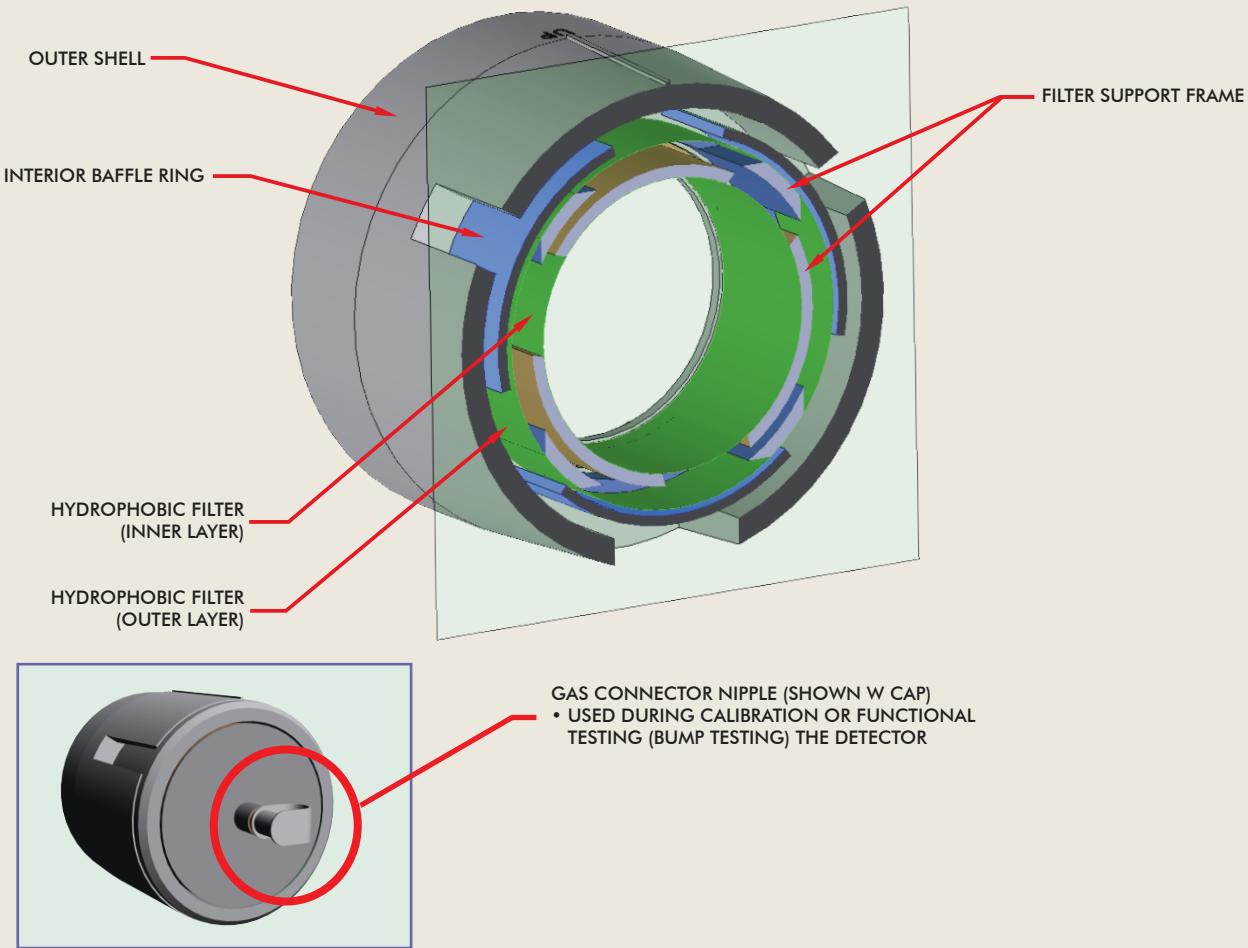


**GAS PATH**



**WATER PATH**

## ANATOMY OF THE SGOES PROTECTIVE COVER



### ABOUT THE SGOES COMBUSTIBLE GAS DETECTOR:

ESP Safety's Model SGOES Gas Detector measures the concentration of hydrocarbon gases present in the monitored environment. The SGOES is configured to report alarms when the gas concentrations in the environment reach the two independently programmable levels, expressed as a percentage of the lower explosive limit (LEL) in air.

The SGOES sensor detects and quantifies the presence of hydrocarbons by measuring their absorption of infrared light (IR). Because the device does not depend on the presence of oxygen in a mixture of gases, it can function effectively in environments where other sensor technologies cannot. Moreover, it is not sensitive to gases such as nitrogen, oxygen, carbonic acid, ammonia, and hydrogen sulfide, that may adversely affect other types of sensors. This makes the SGOES an excellent choice for environments where non-hydrocarbon gases are present and where monitoring of hydrocarbons like methane and propane is required.

