



Model 3 Sump Breather

In keeping with Airvac's longstanding commitment to continually improve our products, we are pleased to introduce the new Sump Breather. The new patent pending Airvac pressure activated Sump Breather is characterized by its uncomplicated operation and its flexible diaphragm. The new breather not only protects the controller from moisture and water, it also eliminates the need for a high sewage sump float for monitoring.

Operation

The Model 3 Sump Breather operates through the use of a diaphragm that reacts to the breather pipe pressure.

- Normal liquid levels: The sensor pipe pressure ranges from 0" (sump emptied) to 6" (level where valve normally cycles).
- Abnormally high liquid level: When sewage level becomes abnormally high, the sensor pressure continues to rise. When 22" of pressure is present, the diaphragm will seal off the ports of the sump breather, protecting the controller from water and moisture damage. An internal switch will activate to provide a high sewage sump level signal for monitoring. As a result, high sewage sump floats are not required.
- When problem is corrected: When the system operation problem is

corrected, the valve will cycle, and the sewage sump will be emptied. The sensor pipe pressure will drop to 0" allowing the valve and controller to return to normal operation.



Breather unit



Diaphragm seals off ports



Installation in breather pipe

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