

Sanitary type Electromagnetic Flowmeter -What's different from the general type?-

Various food, pharmaceutical and beverage processes such as beer, liquor, etc; can be measured using our Sanitary Type Electromagnetic Flowmeter.

This flowmeter is an excellent choice for measuring flowrate of products consumed by humans, where a high degree of safety is mandatory.

u **W**hat is the difference between the sanitary type and general type flowmeters.
The major difference can be seen in the following 3 parts;

1) Electrode:

In the general type, the electrodes are placed in an extrapolation method into the detector structure, i.e. the electrodes are inserted from outside the detector. On the other hand, electrodes of the sanitary use flowmeter are placed in an interpolation fashion. Therefore, there is no gap between the electrode and the lining, where liquid can pool. This feature is very important for food & beverage processes, as liquid pool beverage in such a gap will decay and contaminate your process.

2) Lining:

In the general type electromagnetic flowmeter, PFA lining is used. Sanitary type electromagnetic flowmeter also uses the PFA lining, but its PFA material has been certified by Food Sanitation Law and U.S.A. FDA3A standard, which is to prevent the lining elements from erosion/melting and mixing into the foods.

3) Connection structure:

IDF clamp or sanitary flange is applicable for the connection between the piping. This structure minimizes the gap and the disalignment between the piping, which prevents the liquid pool.

As mentioned above, the sanitary type electromagnetic flowmeter has a big structural difference when compared with the general type. Moreover, the sanitary type flowmeter structure itself differs from each manufacturer. Yamatake has provided lining for ferrule and flange parts sequentially from inside the detector. Other manufacturers, on the other hand, the ferrule and flange parts are sealed with two gaskets after applying the lining, these two gaskets can cause liquid pool. Yamatake doesn't have the gaskets and thus is problem free.

Yamatake has been the pioneer in the Sanitary Type Electromagnetic Flowmeter, adopting the latest technology and offering the customer secure use.

Try Yamatake Electromagnetic Flowmeter for Sanitary use. You'll surely benefit a great advantage from it!



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