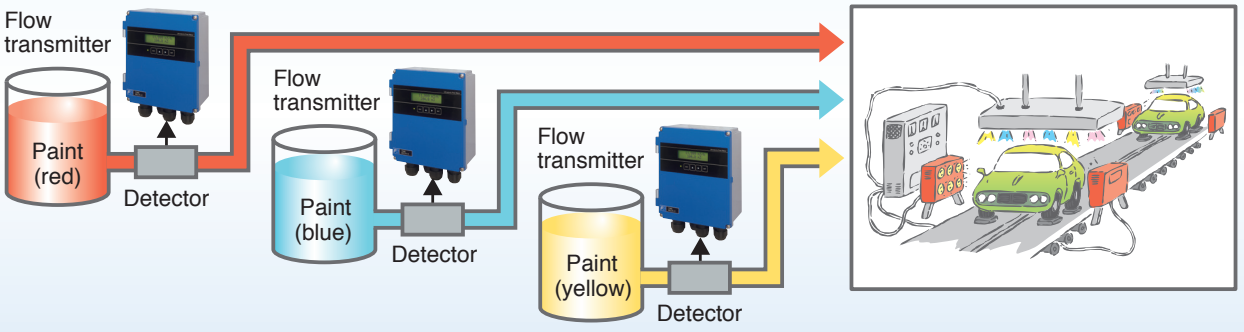
Applications example

1. Measuring system for the paint flow rate

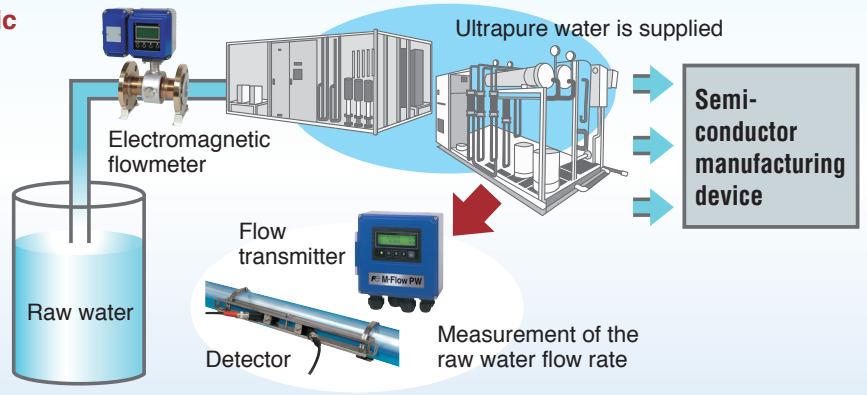
The flow rate of thick paint is measured by a detector mounted on the pipe already constructed.



2. Flow rate measurement in a water purifying system for semi-conductors

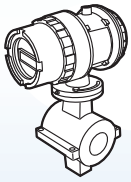
Advantages of using an ultrasonic flowmeter for the system

1) It can be easily mounted on the exterior of a pipe, helping reduce mounting cost.
2) As a sensor, it can operate without coming into contact with fluid, so the fluid is not affected by metallic ions.
3) This meter, compact and lightweight, can be easily carried and mounted.



3. Ideal for flow rate measurement of liquid flowing within large-diameter pipes

1 Ultrasonic flowmeters are much more economical than electromagnetic flowmeters when used for fluid within a pipe whose diameter is 200mm or larger.



The larger the diameter of electro-magnetic flowmeter, the higher the price of the electromagnetic flowmeter.

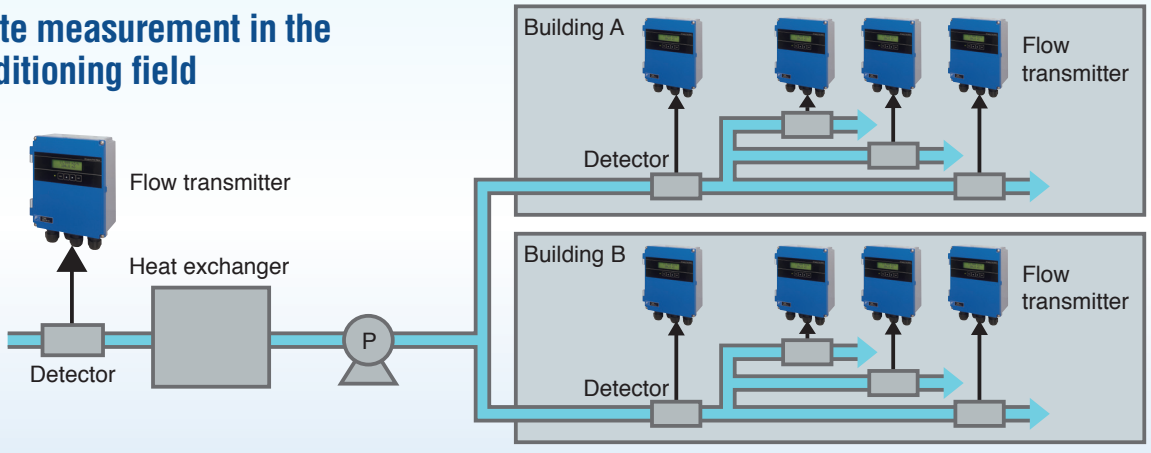
The price of the ultrasonic flowmeter stays the same irrespective of pipe diameter.

2 Possible generation of air bubbles within pipe can be handled by Duosonics.

Resistance to bubbles **5 times** as large as that of conventional products (our company ratio)

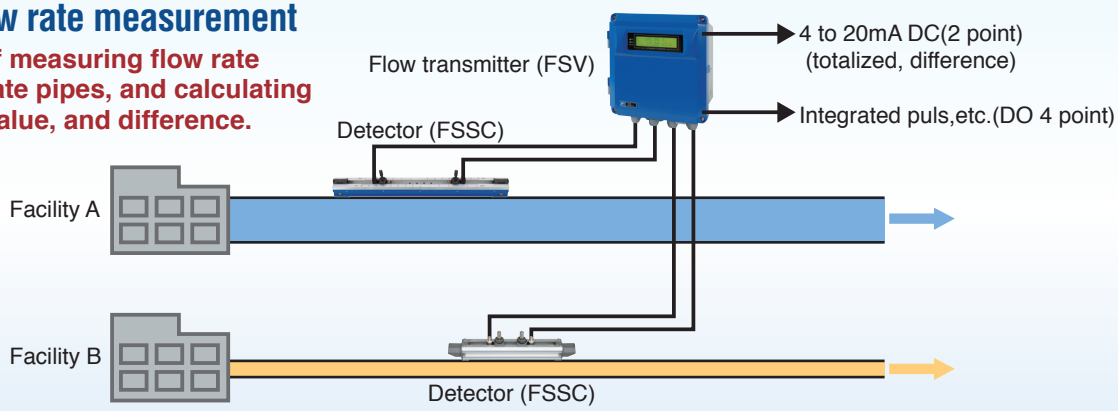
Ultrasonic flowmeter is more economical for measurement of flow in pipe whose diameter is 200mm or larger.

4. Flow rate measurement in the air-conditioning field



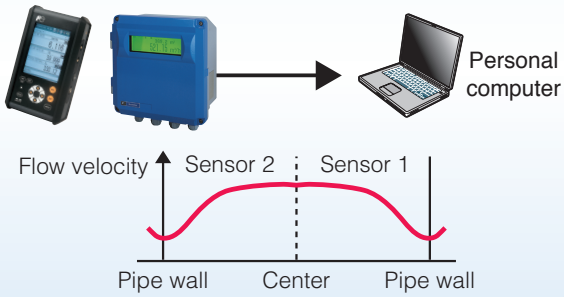
5. Drain flow rate measurement

Capable of measuring flow rate in 2 separate pipes, and calculating totalized value, and difference.



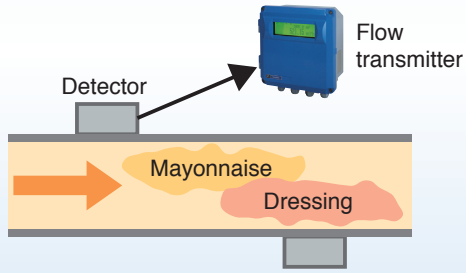
6. Facility diagnosis

Facility optimization diagnosis allowed by measurement of flow velocity distribution within piping



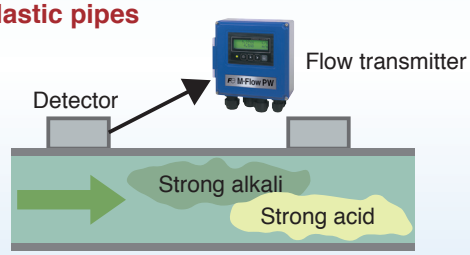
7. Flow rate measurement of mayonnaise and dressing

Accurate measurement of high-viscosity and low-velocity fluid allowed by Duosonics



8. Flow rate measurement of corrosive fluid

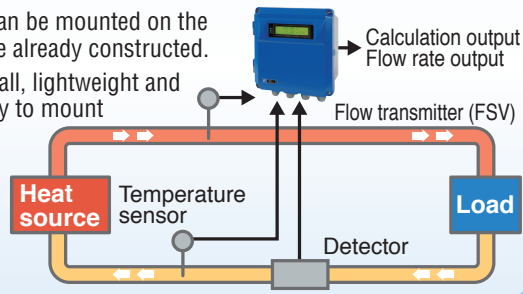
Non-contact measurement by M-Flow PW ideal for corrosive fluid in glass, metallic, and plastic pipes



9. Consumed energy calculation function

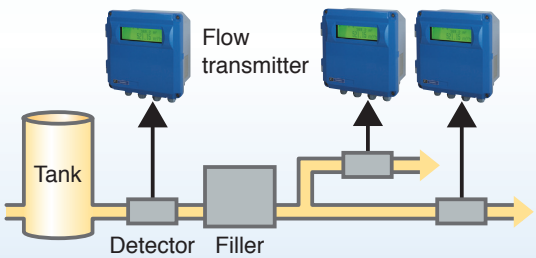
Calculates the thermal energy received and sent with liquid (water) in cooling ang heating.

- It can be mounted on the pipe already constructed.
- Small, lightweight and easy to mount



10. Flow rate measurement in cooking oil production line

Unlike mechanical or Coriolis type, maintenance is not required.



11. Ideal for checking flow rate in the field

Portable model with no need for power supply.

Applicable to pipes whose diameter falls within 13mm to 6000mm range

Flowmeter with printer ideal for data management also available