

ABSTRACT

CORIOLIS FLOWMETER

A Coriolis flowmeter, wherein the first inflow port (4), a second inflow port (6), a first outflow port (5), and a second outflow port (7) of a flow tube (1) for measurement formed of a first curved tube (2) having the first inflow port (4) and the first outflow port (5) and a second curved tube (3) having the second inflow port (6) and the second outflow port (7) are fixed to a fixing member (8) disposed at the middle part of the flow tube (1) in a plan view. A connection tube (9) connecting the first outflow port (5) to the second inflow port (6) is installed between the first outflow port (5) and the second inflow port (6). Also, an interval between the first curved tube (2) and the second curved tube (3) on the inflow port (4) and (6) sides allowing a measured fluid to flow therein and an interval between the first curved tube (2) and the second curved tube (3) on the outflow port (5) and (7) sides allowing the measured fluid to flow therefrom are formed to be non-parallel with each other larger as it is more separated from the fixing member (8). The tube axes of the first inflow port (4), the second inflow port (6), the first outflow port (5), and the second outflow port (7) are positioned on a same plane, and the fixed position of the first inflow port (4) with the second inflow port (6) and the fixed position of the first outflow port (5) with the second outflow port (7) are disposed so as to be symmetrized.

Figure 1