

CORIOLIS MASS FLOW METER

ABSTRACT OF THE DISCLOSURE

Two flow tubes 1 and 2 of a Coriolis mass flow meter are formed into an arch shape, with the tubes bent in only one direction. Entry-side and exit-side manifolds 25 are smoothly bent from the inlet of the entry-side manifold and the outlet of the exit-side manifold to joints connecting the two flow tubes to the manifolds, and connected to the flow tubes 1 and 2 at the joints at a predetermined angle in the same direction. By making the flow tubes into a parallel arched tube structure having good stress distribution and shock resistance, effects on the flow meter of external oscillations, installation conditions, piping stresses and thermal stresses can be reduced.

Figure 1



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