

ABSTRACTA VOLUMETRIC FLUID METER

The invention relates to the technical field of oscillating piston volumetric fluid meters. The meter comprises a cylindrical measuring chamber including a lateral wall (2), a bottom (1) and a lid (3), a lower cylinder (4) and an upper cylinder (5) having the same diameter, which is less than the diameter of said chamber, an inlet orifice and an outlet orifice (8) for respectively admitting fluid to and evacuating fluid from said chamber, a cylindrical piston (11) disposed eccentrically and guided kinematically in said chamber and effecting an oscillatory movement in said chamber (30) as a result of the displacement of a volume of fluid, and a fixed partition (9) between said inlet orifice and said outlet orifice (8), lying radially between said lateral wall (2) and said lower and upper cylinders (4, 5), and lying axially between said bottom (1) and said lid (3), said lateral wall (2) including a vertical cavity (16) in the vicinity of said fixed partition (9). Said cavity (16) is separate from said inlet and outlet orifices and passes through said lateral wall (2) at least partly within the height of said wall.

Figure to be published: Figure 2