BUBBLE GENERATION DEVICE AND LIQUID FILTRATION DEVICE

ABSTRACT

An object of the present invention is to provide a bubble generation device (30) capable of causing a plurality of bubbles to hit filtration membranes almost simultaneously. A bubble generation device (30) includes: a housing (40) that includes a plurality of side plates and a top plate (32) fixed to a plurality of the side plates in an aspect of covering a space surrounded by a plurality of the side plates from above; a plurality of bubble release ports (32a) that is disposed in the top plate (32) in an aspect of being arranged along a longitudinal direction of the top plate (32); and a bubble release chamber (35) that is disposed in the housing (40) and communicates with a plurality of the bubble release ports (32a), wherein a folded-back path (36) is formed by at least a folded-back plate (45) having a cross-sectional shape that extends to below and is then folded back to above, and an inner plate (46) disposed inside the folded-back plate (45), one end of each of the folded-back plate (45) and the inner plate (46) in the longitudinal direction is fixed to one of the two side plates facing each other along the longitudinal direction among a plurality of the side plates, an other end of each of the folded-back plate (45) and the inner plate (46) in the longitudinal direction is fixed to the

other of the two side plates, one side of the folded-back path (36) in the lateral direction communicates with the bubble release chamber (35), and an other side of the folded-back path (36) in the lateral direction communicates with the gas storage chamber(33).

[FIG. 5]