

Title (en)
SENSOR BLOCK, PIPE, AND PRODUCTION METHOD

Title (de)
SENSORBLOCK, ROHR SOWIE HERSTELLUNGSVERFAHREN

Title (fr)
BLOC DE CAPTEUR, TUBE ET PROCÉDÉ DE FABRICATION

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Abstract (en)
[origin: WO2015132239A1] The invention relates to a sensor block (1) for measuring fluid flow or pressure in a pipe (22). The sensor block (1) comprises a sensor (4, 24) and a housing. The housing has an elastic clamp part (11, 12), which is shaped in such a way that the clamp part can be placed onto the pipe in a radial direction and, while placed, surrounds part of the pipe. The invention further relates to a pipe (72), which is produced by means of MID technology. The pipe (72) comprises conducting tracks (77) and a sensor (24, 84), which is rigidly connected to the pipe (72). The invention further relates to a pipe (2; 22) having an opening (49, 36, 46, 56, 66) in the pipe wall, which opening is closed by means of a sterile filter (28, 38, 48). The pipe (2; 22) also has two elongate grooves (15) for detachably fastening a sensor block (1). The invention further relates to a pipe (72), which has a double pitot tube (6). The invention further relates to a pipe (72), which has an orifice plate (86) made of porous material. Before and after the orifice plate (86), one opening (79, 89) is formed in the pipe wall in each case. Both openings (79, 89) are closed by means of a sterile filters. The invention further relates to a production method, in which both a sensor block (1) according to the invention and a pipe (2; 22; 72) according to the invention are produced by means of the same set of masks, the same injection mold, and/or the same control program part.

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