Claims

1. Two part housing containing two housing parts (3, 2) a lower housing part (3) and an upper housing part (2) which can be screwed together about a spindle axis and an element (26) for securing the two housing parts (3, 2), against unscrewing, characterized in that the one part securing element (26) has a resilient region (27) which is arranged in parallel with the spindle axis and can spring perpendicularly to the spindle axis along a line parallel with the spindle axis and wherein the resilient region (27) is arranged in a clamping manner in one of the housing parts (3) such that it engages with the other housing part (2), wherein the resilient region (27) has an outwardly facing toothing (28, 29).

2. Housing according to Claim 1, characterized in that the securing element (26) is arranged in a clamping manner in the lower housing part (3) such that it engages with an external housing (13) of the upper housing part (2) of a diaphragm valve (1).

3. Housing according to Claim 2, characterized in that the external housing (13) has an inwardly facing further toothing, which engages with the toothing (28, 29) of the securing element (26).

4. Housing according to at least one of Claims 1 to 3, characterized in that the toothings (28, 29) have two different flank angles, such that the resistance of the housing parts (2, 3) to unscrewing is greater than to tightening.

Patent claims

1. A diaphragm valve comprising an external housing comprising an upper housing part and a lower housing for fixing a diaphragm in the external housing, the upper housing part and lower housing part having thread means for screwing the upper housing part and lower housing part together to form the external housing and a securing element located between the upper housing part and the lower housing part for preventing unauthorized unscrewing of the housing parts, the securing element includes a first part which fits in an unrotatable manner into a recess in one housing part and a second part which is resilient and arranged on an inside surface of the other housing part wherein the second part is substantially not movable from outside the external housing when the housing parts are completely screwed together.

2. A diaphragm valve according to claim 1, wherein the recess is provided with opposing recesses which receive shoulders provided on the first part of the securing element.

3. A diaphragm valve according to claim 1, wherein the second part which is resilient is provided with tooth flanks which engage the inside surface of the other housing part.

4. A diaphragm valve according to claim 3, wherein the tooth flanks on the securing element comprise two different flank angles so that the resistance of the two housing parts for unscrewing is greater than for tightening.