CLAIMS

1. A throughflow measuring device for a liquid or gaseous medium, having a housing (2; 33) and a measuring insert (4; 29) which can be inserted in the housing (2; 33) and which has a measuring path (8), wherein

a) the measuring insert (4; 29) has a throughflow direction (3) in which the medium to be detected flows through the measuring path (8) during operation,

b1) the housing (2; 33) has an inner housing wall (15; 34),

b2) the inner housing wall (15; 34) is provided with a housing assembly groove (16) which extends perpendicularly to the throughflow direction (3),

c) the measuring insert (4; 29) has a measuring insert outer wall (17; 30) and the measuring insert outer wall (17; 30) is provided with a measuring insert assembly groove (18) which extends perpendicularly to the throughflow direction (3), and

d) the housing (2; 33) and the measuring insert (4; 29) in the assembled state are orientated relative to each other at least in the throughflow direction (3) and are fixed in the position orientated relative to each other by means of a securing element (19; 26), wherein, in order to fix the housing (2; 33) and the measuring insert (4; 29) in the position orientated relative to each other, at least a first partial region (24a) of the securing element (19; 26) engages in the housing assembly groove (16) and at least a second partial region (23a, 23b, 24b) of the securing element (19; 26) engages in the measuring insert assembly groove (18).

2. The throughflow measuring device according to claim 1, wherein the housing assembly groove (16) is arranged at least in a flattened region (20) of the inner housing wall (15; 34).

3. The throughflow measuring device according to claim 1 or 2, wherein the measuring insert assembly groove (18) at least partially surrounds the measuring insert (4; 29) in a direction perpendicular to the throughflow direction (3).

4. The throughflow measuring device according to any one of the preceding claims, wherein the securing element (19; 26) surrounds the measuring path (8).

5. The throughflow measuring device according to any one of the preceding claims, wherein the securing element (19; 26) has securing element partial regions (23a, 23b, 24a, 24b) with different element thicknesses.

6. The throughflow measuring device according to any one of the preceding claims, wherein the securing element (19; 26) has at least a first thickness partial region (23a, 23b) having a smaller element thickness and least a second thickness partial region (24a, 24b) having a larger element thickness.

7. The throughflow measuring device according to claim 6, wherein the first and second thickness partial regions (23a, 23b, 24a, 24b) alternate with each other.

8. The throughflow measuring device according to claim 6 or 7, wherein the first and second thickness partial regions (23a, 23b, 24a, 24b) are arranged so as to be uniformly distributed in a direction perpendicular to the throughflow direction (3).

9. The throughflow measuring device according to any one of claims 6 to 8, wherein the securing element has precisely two first thickness partial regions (23a, 23b) and precisely two second thickness partial regions (24a, 24b).

10. The throughflow measuring device according to any one of the preceding claims, wherein the measuring insert outer wall (30) has at least one additional measuring insert axial groove (31) which extends in a throughflow direction (3) and the securing element (26) has at least one additional securing element positioning web (27) which extends in a throughflow direction (3), wherein the at least one securing element positioning web (27) engages in the at least one measuring insert axial groove (31) with the securing element (26) placed on the measuring insert (29) so that the securing element (26) is located in a position, which is orientated and fixed perpendicularly to the throughflow direction (3), on the measuring insert (29).

11. The throughflow measuring device according to any one of the preceding claims, wherein the inner housing wall (34) has at least one additional housing axial groove (35) which extends in the throughflow direction (3), the measuring insert outer wall (30) has at least one additional measuring insert axial groove (31) which extends in the throughflow direction (3) and the securing element (26) has at least one additional securing element positioning web (27) which extends in the throughflow direction (3), wherein in the position, which is orientated relative to each other and fixed, of the housing (33) and the measuring insert (29), at least a portion of the at least one securing element positioning web (27) engages in the at least one housing axial groove (35) and in the at least one measuring insert axial groove (31) so that the housing (33) and the measuring insert (29) are also orientated relative to each other perpendicularly to the throughflow direction (3) and fixed.