Claims

1. A modular construction kit to produce a pump arrangement having an interior space formed by a pump casing of the pump arrangement, having a containment can which hermetically seals off a chamber surrounded by said containment can with respect to the interior space formed by the pump casing, having an impeller shaft which can be driven in rotation about an axis of rotation, having an impeller which is arranged on one end of the impeller shaft, having an inner rotor arranged on the other end of the impeller shaft, and having an outer rotor which interacts with the inner rotor, wherein different adapter elements which connect the containment can to the pump casing or to a component assigned to the pump casing, which adapter elements have a mounting flange which, at a side close to the interior space, bears against an abutment surface of the pump casing.

2. The modular construction kit as claimed in claim 1, wherein the component assigned to the pump casing is the casing cover.

3. The modular construction kit as claimed in claim 1 or claim 2, wherein the abutment surface of the pump casing that the mounting flange bears against is the casing cover.

4. A pump arrangement, produced from a modular kit as claimed in any one of the preceding claims.

5. The pump arrangement as claimed in claim 4, wherein the pump arrangement is a magnetic clutch pump arrangement.

6. The pump arrangement as claimed in claim 4 or claim 5, wherein the abutment surface has a region which is recessed in an axial direction and into

which a centering ring formed on the mounting flange engages.

7. The pump arrangement as claimed in any one of claims 4 to 6, characterized in that, on the side situated opposite the mounting flange, the adapter element has multiple threaded holes.

8. The pump arrangement as claimed in any one of claims 4 to 7, wherein on the side situated opposite the mounting flange, a ring is provided which extends further in the axial direction into the interior space.

9. The pump arrangement as claimed in any one of claims 4 to 8, wherein the outer contour of the adapter element has a substantially conical profile.

10. The pump arrangement as claimed in claim 9, wherein proceeding from the mounting flange, the adapter element narrows toward the ring.

11. The pump arrangement as claimed in any one of claims 4 to 10, wherein that end of the outer rotor which points in the direction of the casing cover has a radially encircling projection.

12. The pump arrangement as claimed in any one of claims 4 to 11, wherein the projection is formed on the inner side of the ring.

13. The pump arrangement as claimed in any one of claims 4 to 10, wherein that end of the outer rotor which points in the direction of the casing cover has a region of reduced outer diameter.

14. The pump arrangement as claimed in any one of claims 4 to 13, wherein between the impeller and inner rotor, there is arranged a bearing

arrangement which is operatively connected to the impeller shaft, which can be driven rotatably about the axis of rotation (A).

15. The pump arrangement as claimed in claim 14, wherein a spring device is arranged between the inner rotor and the bearing arrangement.

16. The pump arrangement as claimed in claim 15, wherein between the spring device and the inner rotor, there is situated a spacer sleeve, which is pushed onto the impeller shaft.