CLAIMS

1. A stator for a vertically oriented vacuum pump, comprising:

a first stator part comprising:

a first wall forming a bottom wall of the stator;

one or more sidewalls extending upwards from the first wall, wherein the first wall and the one or more sidewalls are a single, unitary item and define an internal cavity; and

an outlet channel formed through a sidewall of the one or more sidewalls, the outlet channel having an opening at an internal surface of the sidewall of the one or more sidewalls, the outlet channel being for allowing a fluid to flow from the internal cavity to an outside of the at least a part of the stator; wherein

an internal surface of the first wall is contiguous with the opening of the outlet channel; and

the outlet channel extends from the opening of the outlet channel in a direction having a downwards-oriented component.

2. The stator according to claim 1, wherein a lowest point of the internal surface of the first wall is contiguous with the opening of the outlet channel.

3. The stator according to claim 1, wherein the internal surface of the first wall slopes towards the opening or is substantially flat.

4. The stator according to claim 1, wherein the first wall comprises one or more through bores, each of the one or more through bores being for receiving a respective rotor shaft.

5. The stator according to claim 1, wherein the first wall comprises an external surface opposite to the internal surface, the external surface of the first wall comprising one or more recesses.

6. A vertically oriented vacuum pump comprising:

the stator according to any preceding claim, wherein the vertically oriented vacuum pump is a vertically oriented Roots-type vacuum pump.