Patent Claims

1. A vacuum sorption device, comprising a volume area ~~(1)~~, in which a sorbent ~~(2)~~ which periodically sorbs and desorbs a refrigerant is situated and which is formed at least partially enclosed by a condenser ~~(3)~~, the condenser ~~(3)~~ being bounded by an outer wall ~~(4)~~ of the volume area ~~(1)~~ and a further enclosure wall ~~(5)~~,

~~characterized in that~~ wherein alternately the outer wall ~~(4)~~ and/or the enclosure wall ~~(5)~~ is/are provided with embossments ~~(6)~~ oriented toward the respective other wall ~~(4, 5)~~ to fix a flow gap width in the condenser.

2. The vacuum sorption device according to Claim 1, ~~characterized in that~~ wherein a gap, which is defined by the embossments ~~(6)~~, between the outer wall ~~(4)~~ and the enclosure wall ~~(5)~~ is formed less than 2 mm wide.

3. The vacuum sorption device according to Claim 1, ~~characterized in that~~ wherein the embossments ~~(6)~~ are situated uniformly distributed on the enclosure wall ~~(5)~~ and at a distance of between 10 to 40 mm, preferably 20 to 30 mm from one another.

4. The vacuum sorption device according to Claim 1, ~~characterized in that~~ wherein the embossments ~~(6)~~ are formed in the shape of spherical caps and preferably have a diameter of 1 to 2 mm.

5. The vacuum sorption device according to Claim 1, ~~characterized in that~~ wherein the outer wall ~~(4)~~ of the volume area ~~(1)~~ and the enclosure wall ~~(5)~~ are formed as cylindrical.

6. The vacuum sorption device according to Claim 5, ~~characterized in that~~ wherein a collector housing ~~(7)~~ is situated on at least one end of the cylindrically formed enclosure wall ~~(5)~~.

7. The vacuum sorption device according to Claim 6, ~~characterized in that~~ wherein the collector housing ~~(7)~~ is integrally formed from material of the enclosure wall ~~(5)~~ and is preferably in the form of a bead.

8. The vacuum sorption device according to Claim 6, ~~characterized in that~~ wherein a connection ~~(8)~~ for alternately supplying or removing a fluid is provided on the collector housing ~~(7)~~.

9. The vacuum sorption device according to Claim 8, ~~characterized in that~~ wherein connections ~~(8)~~ on the collector housings ~~(7)~~ are situated offset to one another with respect to the circumference.

10. The vacuum sorption device according to Claim 1, ~~characterized in that~~ wherein the enclosure wall ~~(5)~~ is formed as a prefinished part having the embossments ~~(6)~~ and preferably so it can be pushed onto the at least one collector housing ~~(7)~~ on the outer wall ~~(4)~~, which is formed free of embossments ~~(6)~~.