10. Apparatus according to one of the preceding claims, characterized in that in a fourth rotational position (24), an aspiration apparatus for drawing off carbonized particle residues by way of a second aspiration channel (44) is assigned to the screens.

11. Apparatus according to ~~one of the preceding~~ claim~~s~~ 10, characterized in that an intake or aspiration channel (42, 43, 44), respectively, in each instance, is assigned to the screens, at least in the first, second, and fourth rotational position (21, 22, 24), which channel contacts the carrier disk (20) around the screen, in each instance, sealing it, at least to a great extent, and is released again before the rotational position, in each instance, is departed from.

12. Apparatus according to claim 11, characterized in that the intake or aspiration channels (42, 43, 44), respectively, comprise a double-wall folded bellows (34), in each instance, and have a connector (33), in the end position, that contacts the carrier disk (20) around the screen, forming a seal, wherein the folded bellows (34) can have an excess pressure applied to it for contacting of the carrier