CLAIMS

1. A filtering component for a filtering unit with backwashing, the filtering component being annular and comprising an inner edge, an outer edge and a filtering medium extending between the inner edge and the outer edge, the filtering component having an internal face and an external face on either side of the filtering medium, wherein, on the internal face, ribs extending between the inner edge and the outer edge are circumferentially distributed to form sectors, wherein the filtering component is adapted to be assembled against a first identical filtering component so that their facing respective internal faces define a space that is circumferentially compartmented by the contacting respective ribs of said internal faces, wherein a first one of the inner edge and the outer edge has passages communicating with each of the sectors on the internal face, and wherein the external face has a key for pairing the filtering component in a given position with respect to a second identical filtering component, the key being arranged such that the passages of the second identical filtering component are offset with respect to the passages of the filtering component.

2. The filtering component as claimed in claim 1, wherein the key is configured to prevent assembling the external face to the internal face of the second identical filtering component.

3. The filtering component as claimed in claim 1 or 2, wherein the internal face comprises a first indicator and a second indicator for pairing with a corresponding second indicator and a corresponding first indicator of the internal face of the first identical filtering component, respectively, and wherein the key is offset with respect to an axis of a symmetry (Y) which transforms the first indicator into the second indicator.

4. The filtering component as claimed in any one of claims 1 to 3, wherein the ribs extend beyond the filtering medium to the external face, a thickness of the ribs on the external face being less than a thickness of the ribs on the internal face.

5. The filtering component as claimed in any one of claims 1 to 4, wherein the key faces at least one of the ribs in a direction across the filtering medium.

6. A filtering element for a filtering unit with backwashing, the filtering element being annular and comprising an inner edge, an outer edge and a filtering medium extending between the inner edge and the outer edge to define a pre-filter chamber, at least the pre-filter chamber being circumferentially compartmented in sectors, at least one of the inner

edge and the outer edge having passages communicating with each of the sectors, wherein the filtering element further has a key for pairing the filtering element in a given position with respect to an identical filtering element, the key being arranged such that the passages of the identical filtering element are offset with respect to the passages of the filtering element.

7. The filtering element as claimed in claim 6, wherein the key is outside the pre-filter chamber.

8. The filtering element as claimed in claim 6 or 7, wherein the key is provided on two opposite sides of the filtering element, at different positions on the two opposite sides.

9. A filtering part for a filtering unit with backwashing, wherein the filtering part is the filtering component as claimed in any one of claims 1 to 5 or the filtering element as claimed in any one of claims 6 to 8.

10. The filtering part as claimed in claim 9, wherein the key comprises a protrusion and a recess, wherein the protrusion is configured to engage in the recess of an identical filtering part.

11. The filtering part as claimed in claim 9 or 10, wherein the offset is an offset by a non-integer multiple of a sector.

12. The filtering part as claimed in any one of claims 9 to 11, wherein the key makes the filtering part non rotationally symmetrical.

13. A filtering assembly for a filtering unit with backwashing, comprising a sleeve and a plurality of filtering parts stacked with one another, wherein each filtering part has a filtering medium and a plurality of passages for conducting fluid to the filtering medium, the passages opening out on compartmented sectors, wherein the filtering parts are keyed with respect to the sleeve so that the passages of one of the filtering parts are offset with respect to the passages of an adjacent one of the filtering parts, wherein the sleeve has apertures facing the passages, the apertures being offset circumferentially along a longitudinal direction of the sleeve.

14. A filtering unit comprising a plurality of filtering components as claimed in any one of claims 1 to 5, or a plurality of filtering elements as claimed in any one of claims 6 to 8, or a plurality of filtering parts as claimed in claims 9 to 12, or a filtering assembly as claimed in

claim 13, wherein the filtering unit further comprises a rotary backwashing distributor configured to selectively isolate the passages to enable backwashing in the corresponding sectors.