divides the cavity into a circulation cavity and a drainage cavity along its axial direction; wherein the inlet and the drainage outlet are respectively communicated with the drainage cavity, the circulation outlet is communicated with the circulation cavity; in a drainage working mode of the circulating drainage assembly, laundry water entering the drainage cavity from the inlet is discharged from the drainage outlet; and in a circulation working mode of the circulating drainage assembly, laundry water entering the drainage cavity from the inlet is filtered by the first filter portion and then enters the circulation cavity to be discharged from the circulation outlet, wherein the filter further comprises a second filter portion located in the circulation cavity, laundry water entering the circulation cavity is filtered by the second filter portion and then discharged from the circulation outlet, and the second filter portion is a baffle extending in an axial direction of the circulation cavity.

[0005] In the above circulating drainage assembly of the laundry processing apparatus, the first filter portion is a filter plate with filter pores, the filter plate has a periphery matching with the cavity.

[0006] In the above circulating drainage assembly of the laundry processing apparatus, an annular boss for stopping the periphery of the filter plate is arranged in the cavity.

[0007] In the above circulating drainage assembly of the laundry processing apparatus, the filter further comprises a second filter portion located in the circulation cavity, laundry water entering the circulation cavity is filtered by the second filter portion and then discharged from the circulation outlet.

[0008] In the above circulating drainage assembly of the laundry processing apparatus, the second filter portion is a baffle extending in an axial direction of the circulation cavity.

[0009] In the above circulating drainage assembly of the laundry processing apparatus, the filter further comprises a third filter portion located in the drainage cavity, laundry water entering the drainage cavity is filtered by the third filter portion and then discharged from the drainage outlet.

[0010] In the above circulating drainage assembly of the laundry processing apparatus, the drainage outlet is provided on an end wall in an axial direction of the housing, the third filter portion shields the drainage outlet in an axial direction of the drainage cavity, a radial filtration gap is provided between the third filter portion and a circumferential wall of the housing, and an axial filtration gap is provided between the third filter portion and the end wall of the housing where the drainage outlet is provided.

[0011] In the above circulating drainage assembly of the laundry processing apparatus, the third filter portion has a conical flow guiding surface expanding in a direction to the drainage outlet on a side facing away from the drainage outlet.

[0012] In the above circulating drainage assembly of the laundry processing apparatus, an end in an axial direction of the housing is an opening communicated with the cavity, and the filter is attachable or detachable from the cavity through the opening.

CLAIMS

What is claimed is:

1. A circulating drainage assembly of a laundry processing apparatus, comprising:

a housing having an cavity and provided with an inlet, a drainage outlet and a circulation outlet; and

a filter assembled in the cavity and having a first filter portion that divides the cavity into a circulation cavity and a drainage cavity along its axial direction;

wherein the inlet and the drainage outlet are respectively communicated with the drainage cavity, the circulation outlet is communicated with the circulation cavity;

in a drainage working mode of the circulating drainage assembly, laundry water entering the drainage cavity from the inlet is discharged from the drainage outlet; and

in a circulation working mode of the circulating drainage assembly, laundry water entering the drainage cavity from the inlet is filtered by the first filter portion and then enters the circulation cavity to be discharged from the circulation outlet, wherein the filter further comprises a second filter portion located in the circulation cavity, laundry water entering the circulation cavity is filtered by the second filter portion and then discharged from the circulation outlet, and the second filter portion is a baffle extending in an axial direction of the circulation cavity.

2. The circulating drainage assembly according to claim 1, wherein the first filter portion is a filter plate with filter pores, the filter plate has a periphery matching with the cavity.

3. The circulating drainage assembly according to claim 2, wherein an annular boss for stopping the periphery of the filter plate is arranged in the cavity.

4. The circulating drainage assembly according to any one of claims 1 to 3, wherein the filter further comprises a third filter portion located in the drainage cavity, laundry water entering the drainage cavity is filtered by the third filter portion and then discharged from the drainage outlet.

5. The circulating drainage assembly according to claim 4, wherein the drainage outlet is provided on an end wall in an axial direction of the housing, the third filter portion shields the drainage outlet in an axial direction of the drainage cavity, a radial filtration gap is provided between the third filter portion and a circumferential wall of the housing, and an axial filtration

gap is provided between the third filter portion and the end wall of the housing where the drainage outlet is provided.

6. The circulating drainage assembly according to claim 5, wherein the third filter portion has a conical flow guiding surface expanding in a direction to the drainage outlet on a side facing away from the drainage outlet.

7. The circulating drainage assembly according to any one of claims 1 to 3, wherein an end in an axial direction of the housing is an opening communicated with the cavity, and the filter is attachable or detachable from the cavity through the opening.

8. A laundry processing apparatus, comprising the circulating drainage assembly according to any one of claims 1 to 7.