WHAT IS CLAIMED IS:

1. A filter element used in a filter device, characterized in that, the filter element comprises:

a seat body mounted on the filter device and provided with a first passage and a second passage;

a filter body detachably connected to an upper portion of the seat body and including a filter space therein, the filter space having two ends which are communicated with a first filter passage and a second filter passage, respectively, and a filter material being provided in the filter space, wherein, when the filter element is in use, the first filter passage and the first passage are in communication, and the second filter passage and the second passage are in communication;

the seat body includes:

a base body mounted on the filter device, the first passage and the second passage being provided on the base body;

a rotating body rotatably connected to an upper portion of the base body, including a rotating plate with a first pipe and a second pipe provided thereon;

wherein, when the filter element is in use, a lower opening of the first pipe is communicated with the first passage, an upper portion of the first pipe is inserted into the first filter passage, an upper opening of the first pipe is communicated with the first filter passage, a lower opening of the second pipe is communicated with the second passage, an upper portion of the second pipe is inserted into the second filter passage, and an upper opening of the second pipe is communicated with the second filter passage; when the filter element is in a disassemble state, the rotating plate closes the upper openings of the first and second passages.

2. The filter element according to claim 1, characterized in that, a seal structure is provided between the base body and the rotating body.

3. The filter element according to claim 1, characterized in that, the upper portion of the base body has a groove, the rotating plate is provided on the bottom of the groove, and a first thread structure is provided on the inner sidewall of the groove; a lower portion of the filter body has a boss, and a second thread structure that mates with the first thread structure is provided on an outer sidewall of the boss.

4. The filter element according to claim 1, characterized in that, both the first filter passage and the second filter passage are provided with a water-sealed shoulder, a seal ring and a water-sealed block, wherein the seal ring is arranged close to the base body, the water-sealed block is positioned above the seal ring, the water-sealed shoulder is positioned above the water-sealed block; when the filter element is in use, the first pipe and the second pipe push the water-sealed block against the water-sealed shoulder, such that the first filter passage is communicated with the first passage through the first pipe, and the second filter passage is communicated with the second passage through the second pipe; when the filter element is in a disassemble state, the water-sealed block falls down to fit the seal ring, such that lower openings of the first and second filter passages are closed.

5. The filter element according to claim 4, characterized in that, the upper openings of the first and second pipes are L-shaped openings.

6. The filter element according to claim 4, characterized in that, a return spring is provided between the water-sealed shoulder and the water-sealed block.

7. The filter element according to claim 4, characterized in that, the water-sealed block is made of elastic material.

8. The filter element according to claim 1, characterized in that, the filter material is active carbon.

9. The filter element according to claim 8, characterized in that, the filter space has a lower portion filled with the active carbon and an upper portion filled with wadding.

10. The filter element according to claim 1, characterized in that, an upper portion of the second filter passage is communicated with a guide pipe whose upper opening is arranged close to the top of the filter space.

11. The filter element according to claim 10, characterized in that, the filter space is further provided therein a bracket and a stepped through hole in the bracket, the guide pipe is inserted in the stepped through hole, with a lower end of the guide pipe pressing against a stepped face of the stepped through hole; a seal ring is provided between the guide pipe and the stepped through hole, a lower portion of the bracket is mounted on an upper shoulder of the second filter passage, and the bracket and the second filter passage is sealed therebetween.

12. The filter element according to claim 1, characterized in that, a handle for

operation is provided on a top face of the filter body.

13. The filter element according to claim 1, characterized in that, a shock absorption adhesive is provided on a periphery of the top of the filter body.

14. A filter device, characterized in that, the filter device includes a filter element according to any one of claims 1-13.