CLAIMS:

1. A chemical filter replacement apparatus comprising a cartridge storage part, a cartridge transfer part and a filter fixing part,

wherein a new cartridge input to the cartridge storage part is transferred to the filter fixing part by the cartridge transfer part and coupled to a filter assembly,

the cartridge storage part includes a plurality of storage spaces which are separate from each other,

new cartridges of any one type among a plurality of types of new cartridges are input in each of the plurality of storage spaces; and

the cartridge transfer part transfers each of the plurality of types of the new cartridges to the filter fixing part,

wherein the cartridge storage part includes:

a plurality of doors which open or close front entrances of the plurality of storage spaces; and

a locking part which allows each of the plurality of doors to be in a locked state or unlocked state,

wherein, when cartridge information about the plurality of types of the new cartridges is received by a controller, the controller controls the locking part so that only the door, which opens or closes the storage space to which the new cartridges corresponding to the received information is input, is in the unlocked state and the remaining doors are maintained in the locked state.

2. The chemical filter replacement apparatus of claim 1, wherein:

cartridge seating part on which the new cartridges of any one type among the plurality of types of new cartridges are seated is provided in each of the plurality of storage spaces; and

a seating base transfer driving part is provided to transfer the new cartridges of any one type among the plurality of types of new cartridges in a direction in which the cartridge transfer part is positioned in a state in which the new cartridges of any one type among the plurality of types of new cartridges is seated on the cartridge seating part.

3. The chemical filter replacement apparatus of claim 2, wherein:

the new cartridges of any one type among the plurality of types of new cartridges are seated on the cartridge seating part to be spaced apart from each other in a direction perpendicular to a transfer direction of the cartridge transfer part; and

when a cartridge at a position which is closest to the cartridge transfer part among the new cartridges seated on the cartridge seating part is transferred to the filter fixing part by the cartridge transfer part, the seating base transfer driving part is driven to move the cartridge seated at a next position among the new cartridges seated on the cartridge seating part to the position which is closest to the cartridge transfer part.

4. The chemical filter replacement apparatus of claim 2, wherein:

the new cartridges seated on the cartridge seating part are provided on the cartridge seating part to rotate in a state in which the new cartridges seated on the cartridge seating part are spaced apart from each other; and

when a cartridge at a position which is closest to the cartridge transfer part among the new cartridges seated on the cartridge seating part is transferred to the filter fixing part by the cartridge transfer part, the seating base transfer driving part is driven to move the cartridge seated at a next position among the new cartridges seated on the cartridge seating part to the position which is closest to the cartridge transfer part.

5. The chemical filter replacement apparatus of claim 2, wherein the seating base transfer driving part linearly moves a cartridge seating base, on which the new cartridges of any one type among the plurality of types of new cartridges are seated, in a direction perpendicular to a transfer direction of the cartridge transfer part.

6. The chemical filter replacement apparatus of claim 2, wherein:

the seating base transfer driving part linearly moves a cartridge seating base, on which the new cartridges of any one type among the plurality of types of new cartridges are seated, in a direction perpendicular to a transfer direction of the cartridge transfer part; and

when the cartridge seating base is continuously moved, the cartridge seating base is moved to a different level in a vertical direction.

7. The chemical filter replacement apparatus of claim 2, wherein:

the seating base transfer driving part linearly moves the cartridge seating base, on which the new cartridges of any one type among the plurality of types of new cartridges are seated, in a direction perpendicular to a transfer direction of the cartridge transfer part; and

when the cartridge seating base is continuously moved, the cartridge seating base is circulated to be returned to an initial position.

8. The chemical filter replacement apparatus of claim 7, wherein the cartridge seating base is coupled to a circulating conveyer belt.

9. The chemical filter replacement apparatus of claim 1, wherein:

the cartridge storage part includes a plurality of doors which open or close front entrances of the plurality of storage spaces; and

the door is integrally coupled to a seating part housing to which a cartridge seating part, on which the new cartridges of any one type among the plurality of types of new cartridges are seated, is coupled so that the door, the seating part housing, and cartridge seating part are integrally withdrawn from the storage space.

10. The chemical filter replacement apparatus of claim 1, wherein:

the cartridge transfer part is provided to hold the new cartridge input to the cartridge storage part and move linearly; and

a position of the new cartridge which is seated on the cartridge storage part and held by the cartridge transfer part and a position of the new cartridge seated on the filter fixing part are positioned on a straight line parallel to a straight line along which the new cartridge is moved by the cartridge transfer part.

11. The chemical filter replacement apparatus of claim 1, wherein the plurality of types of the new cartridges include a plurality of types of cartridges having different pore sizes, different outer shapes, or different sizes.

12. The chemical filter replacement apparatus of claim 1, wherein the plurality of storage spaces are positioned adjacent to each other on a straight line parallel to a straight direction in which the cartridge transfer part transfers the cartridge.