CLAIMS

1. A unit configured to be detachable from an apparatus main body of an image forming apparatus,

the unit comprising:

a conveying member for conveying developer;

a frame that stores the developer and includes

a first chamber that stores the conveying member,

a second chamber,

a first opening which connects the first chamber and the second chamber, and through which the developer conveyed from the first chamber to the second chamber is passed, and

a second opening which connects the interior of the second chamber and the exterior of the frame in an orthogonal direction that is orthogonal to a direction of a rotation axis line of the conveying member; and

a filter that allows air to pass the second opening and restricts the developer from passing the second opening, and is fixed to the frame,

wherein the frame is displaceable with respect to the apparatus main body in a state where the unit is attached to the apparatus main body such that the filter is displaced with respect to the apparatus main body by displacement of the frame, and

wherein the conveying member is deformable such that the developer is conveyed from the first chamber to the second chamber via the first opening by deformation of the conveying member being released.

2. The unit according to Claim 1, wherein

the frame is displaceable between a first position and a second position, and

the filter has an exposed surface exposed to the interior of the second chamber, and is disposed so that an angle between the exposed surface and the horizontal surface at the first position is smaller than an angle between the exposed surface and the horizontal surface at the second position.

3. The unit according to Claim 2, further comprising a developer bearing member that is rotatably supported by the frame, wherein

the developer bearing member is displaced with respect to an image bearing member by the displacement of the frame.

4. The unit according to Claim 3, wherein

the frame receives a biasing force from a biasing member disposed between the

frame and a second frame which supports the image bearing member, so as to displace the frame from a separated position, where the developer bearing member is separated from the image bearing member, to a contact position, where the developer bearing member contacts the image bearing member.

5. The unit according to Claim 3 or 4, wherein

when the frame is displaced, an amount of the displacement of the filter is greater than an amount of the displacement of the developer bearing member.

6. The unit according to any one of Claims 3 to 5, wherein

the displacement of the frame is a rotary displacement around a predetermined rotation axis, as a center, in the interior of the apparatus main body, and

the filter is disposed so that a distance between the filter and the center is longer than a distance between the developer bearing member and the center.

7. The unit according to any one of Claims 3 to 6, wherein

the developer bearing member is disposed in the second chamber,

the frame has a third opening to expose a part of the developer bearing member to the exterior of the frame, and

the second opening is located at an upstream side of the third opening on a conveying path of the developer in the second chamber.

8. The unit according to Claim 7, wherein

the second opening is located above the first opening, the developer bearing member, and the third opening.

9. The unit according to Claim 7 or 8, further comprising end seals which are disposed on both edge portions of the third opening in a longitudinal direction of the third opening, and a sealing sheet which is fixed to the frame, and contacts the developer bearing member between the end seals, wherein

the frame includes a fixed portion to which the sealing sheet is fixed, and a connection wall which is connected to the fixed portion, and extends in a direction intersecting a direction, in which the sealing sheet extends, and

the second opening is disposed in the connection wall.

10. The unit according to any one of Claims 6 to 9, wherein

the second opening is disposed so as to extend from one end to the other end of the developer bearing member.

11. The unit according to any one of Claims 6 to 10, further comprising a supply member, which is disposed in the second chamber, and supplies the developer to the developer bearing member by contacting with the developer bearing member.

12. The unit according to Claim 11, wherein

when a first line, which connects one end of the first opening and one end of the second opening, and a second line, which connects the other end of the first opening and the other end of the second opening, are drawn in the orthogonal direction, at least a part of the supply member is located outside a region between the first line and the second line.

13. The unit according to any one of Claims 6 to 12, wherein

the second chamber is located above the first chamber.

14. The unit according to any one of Claims 3 to 13, wherein the frame includes a partition portion for partitioning the first chamber and the second chamber, and the partition portion is provided with the first opening, and

wherein the conveying member is able to be contacts the partition portion.

15, The unit according to Claim 11 or 12, the developer bearing member and the supply member rotate such that, in mutual contact sections thereof, a surface of the developer bearing member and a surface of the supplying member move in a same direction.

16. The unit according to any one of Claims 1 to 15, with respect to the direction of the rotation axis, a position of the first opening and a position of the second opening at least partially overlap with each other.

17. A process cartridge configured to be detachable from an apparatus main body of an image forming apparatus,the process cartridge comprising:

the unit according to Claim 1, the unit including a developer bearing member; and

a second unit including an image bearing member, wherein

relative positions of the unit and the second unit can be changed so that the developer bearing member and the image bearing member can be contacted or separated.

18. An image forming apparatus, comprising:

an apparatus main body that includes an image bearing member;

the unit according to Claim 1 that includes a developer bearing member, and is detachable from the apparatus main body; and

a contact/separation mechanism that displaces the unit in the interior of the apparatus main body so that the developer bearing member can be in a contact state where the developer bearing member contacts the image bearing member, or in a separated state where the developer bearing member is separated from the image bearing member.