WHAT IS CLAIMED IS:

1. A breast pump assembly, comprising:

a breast pump comprising: a contact housing with a backside recessed to wrap a breast; and a storage housing coupled to the contact housing to define a breast milk storage space on a frontside of the contact housing, the breast pump being provided with a coupling cavity penetrating an upper portion of the storage housing;

a stopper detachably coupled to the coupling cavity and provided with a first air pipe connector;

an air pipe coupled to the first air pipe connector; and

a pump cradle provided with a second air pipe connector to which the air pipe is coupled,

wherein the pump cradle comprises:

a first case provided with the second air pipe connector, an insertion hole and an air passage connector;

a first milking pump installed in the first case;

a duct connecting the first milking pump and the air passage connector to the second air pipe connector; and

a pump module comprising a second case detachably coupled to the insertion hole and a second milking pump installed in the second case,

wherein the second case is provided with an air passage connecting the air

passage connector with the second milking pump, and

wherein the pump module is configured to be separated from the insertion hole and detachably coupled to the coupling cavity when the stopper is separated from the coupling cavity.

2. The breast pump assembly according to claim 1, wherein the air passage is connected to the coupling cavity when the pump module is coupled to the coupling cavity.

3. The breast pump assembly according to claim 1, wherein the pump cradle further comprises:

a first input unit; and

a first control panel configured for driving the first milking pump and the second milking pump based on an actuating signal inputted through the first input unit.

4. The breast pump assembly according to claim 3, wherein the second milking pump is connected to the first control panel through a USB plug and a USB socket provided in the first case and the second case, respectively, and detachably coupled with each other.

5. The breast pump assembly according to claim 3, wherein the pump module further comprises:

a second input unit; and

a second control panel configured for driving the second milking pump based on an actuating signal inputted through the second input unit.

6. The breast pump assembly according to claim 5, wherein the first input unit is coupled to the first case, and the second input unit is coupled to the second case.

7. The breast pump assembly according to claim 1, wherein the pump cradle further comprises a sealing cap detachably coupled to the air passage connector when the air passage connector is separated from the air passage, and wherein the first case is provided with a receiving hole, the sealing cap being configured to be separated from the air passage connector and detachably coupled to the receiving hole.

8. The breast pump assembly according to claim 1, wherein the contact housing is provided with a protruding part formed at a portion corresponding to a nipple and extending toward a front of the contact housing, and

wherein the breast pump further comprises:

a cap connector coupled to the protruding part and forming a first inner space being connected to the backside;

a funnel connector coupled to the cap connector and forming a second inner space

being connected to the first inner space; and

a flow separation membrane configured to separate the second inner space from the coupling cavity.

9. The breast pump assembly according to claim 8, wherein the cap connector is provided with a breast milk outflow tube connecting the first inner space with the breast milk storage space.

10. A pump cradle for a breast pump, comprising:

a first case provided with an air pipe connector, an insertion hole and an air passage connector, the air pipe connector being configured to be connected to the breast pump through an air pipe;

a first milking pump installed in the first case;

a duct connecting the first milking pump and the air passage connector to the air pipe connector;

a pump module comprising a second case detachably coupled to the insertion hole and a second milking pump installed in the second case;

a first input unit; and

a first control panel configured for driving the first milking pump and the second milking pump based on an actuating signal inputted through the first input unit while the pump

module is coupled to the insertion hole,

wherein the second case is provided with an air passage connecting the air passage connector with the second milking pump, and

wherein the pump module is configured to be separated from the insertion hole and detachably coupled to the breast pump.