What is Claimed:

1. A breast pump system comprising:

   a vacuum pump;

   a suction tubing and a milk tubing, wherein the suction tubing and milk tubing each have first and second ends, and wherein the suction and milk tubing are adhered together in a side-by-side manner;

   a first connector, having a first portion for fluid coupling to both the vacuum pump and the first end of the suction tubing, and a second portion for fluid coupling to both a milk bottle and the first end of the milk tubing;

   a second connector, having a first portion for fluid coupling to both a suction port of a breast shield and the second end of the suction tubing, and a second portion for fluid coupling to both a breast milk collecting port of the breast shield and the second end of the milk tubing; and

   a filter cartridge comprising an internal main suction path and an internal milk bottle suction path;

   wherein the first connector is configured to fluidly couple to the vacuum pump through the filter cartridge.

2. The breast pump system of claim 1, wherein the second connector comprises one or more vent holes in the first portion for controlling suction and a diaphragm.

3. The breast pump system of claim 1, wherein the first portion of the first connector is removably coupled to the vacuum pump, and the second portion of the first connector is removably coupled to the milk bottle.

4. The breast pump system of claim 1, wherein the first portion of the second connector is removably coupled to the suction port of the breast shield and the second portion of the second connector is removably coupled to the breast milk collecting port.

5. A breast pump system comprising:

a vacuum pump;

a suction tubing and a milk tubing, wherein the suction tubing and milk tubing each have first and second ends, and wherein the suction and milk tubing are adhered together in a side-by-side manner;

a first connector, having a first portion for fluid coupling to both the vacuum pump and the first end of the suction tubing, and a second portion for fluid coupling to both a milk bottle and the first end of the milk tubing;

a second connector, having a first portion for fluid coupling to both a suction port of a breast shield and the second end of the suction tubing, and a second portion for fluid coupling to both a breast milk collecting port of the breast shield and the second end of the milk tubing;

a filter cartridge comprising an internal main suction path and an internal milk bottle suction path; and

a filter insert;

wherein the first connector is configured to fluidly couple to the vacuum pump through the filter cartridge;

wherein the filter insert is positioned between the filter cartridge and the pump; and

wherein the filter insert is configured to engage sealingly, moveably and releaseably with the filter cartridge.