removal complicated, confusing, and can increase the likelihood of errors. It is therefore desirable to reduce the quantity of different variations of tubes and connectors that are inventoried and used at medical facilities.

SUMMARY

[0007a] According to a first aspect of the present invention, there is provided a connector configured to connect with at least two different medical fluid container port configurations, the connector comprising: a main body extending along a primary axis and defining a lumen, the lumen extending between a lower mouth at a lower portion of the main body and an upper mouth at an upper portion of the main body; a first mating portion configured to engage a first port of a first container such that the lower mouth extends a predetermined distance into an interior of the first container when the connector is connected with the first port; and a second mating portion configured to engage a second port of a second container such that the lower mouth extends the predetermined distance into the interior of the second container when the connector is connected with the second port, the second port being larger than the first port.

[0007b] According to a second aspect of the present invention, there is provided a connector for connecting medical fluid containers, the connector comprising: a main body defining a conduit, the main body including an outer surface configured to seal with an inner surface of a first port of a container when the connector is connected with the first port; and an outer skirt wall connected with the main body and including a surface configured to seal with a mating surface of a second port of the container when the connector is connected with the second port, wherein the main body includes a conduit wall that extends into the interior of the container when the connector is connected with the first port and when the connector is connected with the second port.

[0008] Certain aspects of the present disclosure may include a connector that is suitable for connecting medical suction tubing with at least two different types of fluid ports in a medical fluid collection system. In certain aspects, the connector includes a generally cylindrical main body portion having an upper portion, a middle portion, and a lower portion. The main body portion includes a cylindrical outer

surface extending generally parallel to a central longitudinal axis of the body portion, and an inner surface defining a primary conduit extending through the connector. At least one lateral closure wall extends radially outward from the main body portion. At least one annular skirt wall extends longitudinally from the at least one lateral closure wall, including a first annular skirt wall that serves to receive an open mouth of a first fluid port having a relatively small diameter, e.g., a diameter of about 15 mm, and a second annular skirt wall that serves to receive an open mouth of a second fluid port having a relatively larger diameter, e.g., a diameter of about 25 mm.

[0009] In certain aspects, an inner surface of the first annular skirt wall may be configured to engage an outer surface of a spout (also herein interchangeably referred as a port cone or port riser) of a first port in an interference fit such that the connector may be secured to the first port. Similarly, an inner surface of the second annuar skirt wall may be configured to engage an outer surface of a spout of a second port. Alternatively, an outer surface of the second annular skirt wall may be configured to engage an inner surface of the spout of the second port. In various other aspects, an outer surface of the first annular skirt wall may be configured to engage an inner surface of the spout of the first port. It will be appreciated that the connector may be configured with any number of annular skirt walls, each of which may be configured to engage either an inner surface or an outer surface of a particular port's spout. In various other aspects, the connector may be configured such that one or more annular skirt walls are configured to engage an outer surface of a spout of a first port and an inner surface of a spout of a second port, the spout of the second port having a larger diameter than the spout of the first