Claims

What is claimed:

1). A fitting for a disposable plastic container comprising a flange portion capable of being sealed in a liquid tight manner to an opening in the bag and a neck portion extending outwardly from the flange portion and the opening of the bag, wherein the neck portion is a tubular extension with a bore running through the flange and neck portions, and the fitting is being formed of a flexible compressible~~,~~ or resilient plastic material.

~~2). The fitting of claim 1 wherein a neck portion is a tubular extension with a bore running through the flange and neck portions.~~

~~3).~~2). The fitting for a disposable plastic container of claim 1 wherein the neck portion is a tubular extension with a bore running through the flange and neck portions and ending in a hose barb at a point of the neck farthest from the flange portion.

~~4).~~3). The fitting for a disposable plastic container of claim 1 wherein the fitting is made of a plastic selected from the group consisting of as thermoplastic elastomers, thermoplastic polyolefins, elastomeric alloys, containing polyolefins, thermosets and rubber.

~~5).~~4). The fitting for a disposable plastic container of claim 1 wherein the fitting is made of a plastic selected from the group consisting of thermoplastic elastomers, thermoplastic polyolefins and elastomeric alloys containing polyolefins.

~~6).~~5). The fitting for a disposable plastic container of claim 1 wherein the fitting is made of a plastic selected from the group consisting of thermoplastic elastomers selected from the group consisting of a styrene block co-polymer blended with polyethylene polymer and a thermoplastic polyolefin.

~~7).~~6). The fitting for a disposable plastic container of claim 1 wherein the fitting is made of a plastic selected from the group consisting of thermosets.

~~8)~~7). The fitting for a disposable plastic container of claim 1 wherein the fitting is made of a thermoset plastic selected from the group consisting of urethanes.

~~9)~~8). The fitting for a disposable plastic container of claim 1 wherein the fitting is made of a plastic selected from the group consisting of natural rubber and synthetic rubber.

~~10)~~9). A flexible disposable container comprising a closed plastic bag having at least one port, at least one fitting formed of a flange portion sealed in a liquid tight manner to the at least one opening in the bag and a neck portion extending outwardly from the flange portion and the opening of the bag, wherein the neck portion is a tubular extension with a bore running

through the flange and neck portions, and the fitting being formed of a flexible compressible~~,~~ or resilient plastic material and a device capable of compressing the neck portion of the fitting so as to seal it off from the bag and minimize dead space.

~~11) The container of claim 10 wherein the neck portion is a tubular extension with a bore running through the flange and neck portions.~~

~~12)~~10). The flexible disposable container of claim ~~10~~9 wherein the neck portion is a tubular extension with a bore running through the flange and neck portions and further comprising a connector having a first end with a hose barb and a second end with a hose barb and a planar portion between the two barb portions, the neck portion of the fitting farthest from the flange portion having the first barb of the connector and a planar portion of the connector attached to it in a liquid tight manner and a tubing attached to the second barb of the connector and a planar portion of the connector in a liquid tight manner.

~~13)~~11). The flexible disposable container of claim ~~10~~9 wherein the neck portion is a tubular extension with a bore running through the flange and neck portions and ending in a hose barb at a point of the neck farthest from the flange portion.

~~14)~~12). The flexible disposable container of claim ~~10~~9 wherein the fitting is made of a plastic selected from the group consisting of as thermoplastic elastomers, thermoplastic polyolefins, elastomeric alloys containing polyolefins, thermosets and rubber.

~~15)~~13). The flexible disposable container of claim ~~10~~9 wherein the fitting is made of a plastic selected from the group consisting of thermoplastic elastomers, thermoplastic polyolefins and elastomeric alloys containing polyolefins.

~~16)~~14). The flexible disposable container of claim ~~10~~9 wherein the fitting is made of a plastic selected from the group consisting of thermoplastic elastomers selected from the group consisting of a styrene block co-polymer blended with polyethylene polymer and a thermoplastic polyolefin.

~~17)~~15). The flexible disposable container of claim ~~10~~9 wherein the fitting is made of a plastic selected from the group consisting of thermosets.

~~18)~~16). The flexible disposable container of claim ~~10~~9 wherein the fitting is made of a thermoset plastic selected from the group consisting of urethanes.

~~19)~~17). The flexible disposable container of claim ~~10~~9 wherein the fitting is made of a plastic selected from the group consisting of natural rubber and synthetic rubber.

~~20)~~18). The flexible disposable container of claim ~~10~~9 wherein the neck portion is a tubular extension with a bore running through the flange and neck portions and further comprising a connector having a first end with a hose barb and a second end with a hose barb

and a planar portion between the two barb portions, the neck portion of the fitting farthest from the flange portion having the first barb of the connector and a planar portion of the connector attached to it in a liquid tight manner and a tubing attached to the second barb of the connector and a planar portion of the connector in a liquid tight manner and wherein the fitting and the tubing are attached to the connector via tie wraps.

~~21)~~19). The flexible disposable container of claim ~~10~~9 wherein the device is selected from the group consisting of pinch valves and clamps.