28. The single use pre-filled delivery device of claim 1, wherein the deformable container is made of thermoplastic elastomers, polyolefin, polyester or other injection moldable or formable resin.

29. The single use pre-filled delivery device of claim 1, wherein the clip element further includes at least one protrusion for removing one or more air bubbles from the delivery device and controlling the delivery of fluid from the deformable container.

30. A single use pre-filled delivery device comprising:

a deformable container including a side wall having an inside surface defining a chamber for retaining fluid, a closed proximal end and an open distal end including a male luer tip having a passageway therethrough providing fluid communication with said chamber; said male luer tip removably connectable to a female luer connection of a vascular access device; and

a three-fold clip element having a first portion, a second portion and third portion,

said deformable container being attached to said first portion of the clip element,

said second portion being attached to the first portion by a first pivot, said second portion of the clip element being foldable over the first portion of the clip element for removing one or more air bubbles from the deformable container;

said third portion being attached to the second portion by a second pivot, said third portion of the clip element being foldable over the first portion of the clip element for driving fluid out of said chamber; and

a locking element disposed on the first and third portion of the clip element.

~~31. A method of administering a fluid to a vascular access device comprising the steps of:~~

~~(a) providing a single use pre-filled delivery device having a deformable container including a side wall having an inside surface defining a chamber for retaining fluid, a closed proximal end and an open distal end including a male luer tip having a passageway therethrough providing fluid communication with said chamber; said male luer tip removably connectable to a vascular access device; and a clip element for deforming the collapsible container having a distal end and proximal end comprising a pivot located between the distal end and the proximal end for driving fluid out of said chamber by movement of the proximal end towards the distal end, the clip element comprising a distal portion and a proximal~~

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portion, said deformable container being attached to the clip element; and a locking element disposed on the clip element;

(b) providing a vascular access device having a proximal end, a distal end and a passageway therethrough, said proximal end having a female luer tip in fluid communication with said passageway;

(c) placing said distal end of said vascular access device in a blood vessel of a patient;

(d) engaging said male luer tip of said deformable container with said female luer tip of said vascular access device;

(e) applying force to said clip element to deform the collapsible container so that said flush solution in said chamber flows through said passageway into said vascular access device;

(f) continue applying force to the clip element until said distal end of the locking element engages the said proximal end of the locking element; and

(g) disengaging said male luer tip of said deformable container from said female luer tip of said vascular access device.

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