CLAIMS

1. A catheter system, comprising:

a catheter adapter;

a catheter extending distally from the catheter adapter;

an extension tube extending from the catheter adapter;

a needle assembly, comprising a needle hub and an introducer needle, wherein the needle hub is coupled to a proximal end of the catheter adapter and comprises a flashback chamber, wherein a proximal end of the introducer needle is secured within the needle hub, wherein the flashback chamber comprises a vent feature movable between a vent feature actuated position in which the flashback chamber is vented and a vent feature unactuated position in which the flash chamber is not vented;

a Y-adapter having a distal end, a first arm, and a second arm, wherein the distal end of the Y-adapter is coupled to the extension tube;

a vent cap coupled to the second arm in a first position or a vent cap unactuated position, wherein a distal end of the vent cap comprises a plurality of engagement arms and wherein the vent cap further includes one or more other arms, which extend oppositely to the engagement arms and are disposed in one or more slots of a movable piece of the vent cap.

2. The catheter system of claim 1, wherein the catheter system further comprises an introducer needle having a distal notch.

3. The catheter system of claim 1, wherein the catheter adapter comprises a side port, wherein the extension tube extends from the side port.

4. The catheter system of claim 1, wherein the catheter adapter comprises a proximal end and a distal end, wherein the extension tube extends from the proximal end of the catheter adapter.

5. The catheter system of claim 1, wherein the vent cap is actuatable by moving the vent cap to a second position or a vent cap actuated position.

6. The catheter system of claim 1, wherein the catheter system further comprises a first connector coupled to the first arm and a second connector coupled to the second arm, wherein the vent cap is coupled to the second connector.

7. The catheter system of claim 6, wherein first connector and the second connector each comprise a needleless connector.

8. The catheter system of claim 6, wherein the second connector comprises a PRN adapter.

9. The catheter system of claim 6, wherein the plurality of engagement arms are flexible and engaged in a snap fit with a flange of the second connector.

10. The catheter system of claim 1, wherein the first arm comprises a first luer adapter, wherein the second arm comprises a second luer adapter.

11. The catheter system of claim 10, wherein the vent cap comprises a third luer adapter coupled to the second luer adapter.

12. The catheter system of claim 1, wherein the catheter system further comprises an IV line attached to the first arm.

13. The catheter system of claim 12, wherein the IV line is clamped via a clamp on the IV line.