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relative to said second housing between an opened position wherein said stylus protrudes through said self-closing valve and said stylus bore is in fluid communication with said first housing bore and a closed position wherein said self-closing valve forms a barrier between said stylus bore and said first housing bore.

- 2. The flash chamber of claim 1 wherein said self-closing valve is a diaphragm.
- 3. The flash chamber of claim 2 wherein said diaphragm is made of an elastomeric material.
- 4. The flash chamber of claim 2 wherein said diaphragm includes a slit.
- 5. The flash chamber of claim 1 wherein said valve end includes threads on an exterior surface.
- 6. The flash chamber of claim 5 wherein said attachment end is adapted to engage the threads of said valve end.
- 7. The flash chamber of claim 1 wherein said first housing includes an exterior fin.
- 8. The flash chamber of claim 1 wherein said second housing includes an exterior fin.
- 9. The flash chamber of claim 1 wherein said first housing is made of a translucent material.
- 10. The flash chamber of claim 1 wherein said second housing is made of a translucent material.
- 11. A catheter assembly for use in intravenous procedures, said catheter assembly comprising:
 - a. a catheter, having a hollow sleeve with a hub; and
 - b. a flash chamber, including
 - i. a self-closing valve;
 - ii. a first housing, having a receiver end and a valve end, said receiver end being adapted to reversibly receive said catheter hub and said valve end being adapted to receive said self-closing valve, and said first housing having a centered bore extending longitudinally from said valve end to said receiver end; and

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iii. a second housing, having a connector, a stylus and an attachment end, said connector projecting outward and being adapted to receive an intravenous (IV) tube connection, said stylus having a centered bore to permit an injection needle to slidingly pass into and through said stylus bore and projecting from said connector toward said attachment end, and said attachment end being adapted to receive said valve end of said first housing such that said first housing can be rotated relative to said second housing between an opened position wherein said stylus protrudes through said self-closing valve and said stylus bore is in fluid communication with said first housing bore and said catheter sleeve and a closed position wherein said self-closing valve forms a barrier between said stylus bore and said first housing bore and said catheter sleeve.

- 12. The flash chamber of claim 11 wherein said self-closing valve is a diaphragm.
- 13. The flash chamber of claim 12 wherein said diaphragm is made of an elastomeric material.
- 14. The flash chamber of claim 12 wherein said diaphragm includes a slit.
- 15. The flash chamber of claim 11 wherein said valve end includes threads on an exterior surface.
- 16. The flash chamber of claim 15 wherein said attachment end is adapted to engage the threads of said valve end.
- 17. The flash chamber of claim 11 wherein said first housing includes an exterior fin.
- 18. The flash chamber of claim 11 wherein said second housing includes an exterior fin.
- 19. The flash chamber of claim 11 wherein said first housing is made of a translucent material.
- 20. The flash chamber of claim 11 wherein said second housing is made of a translucent material.

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