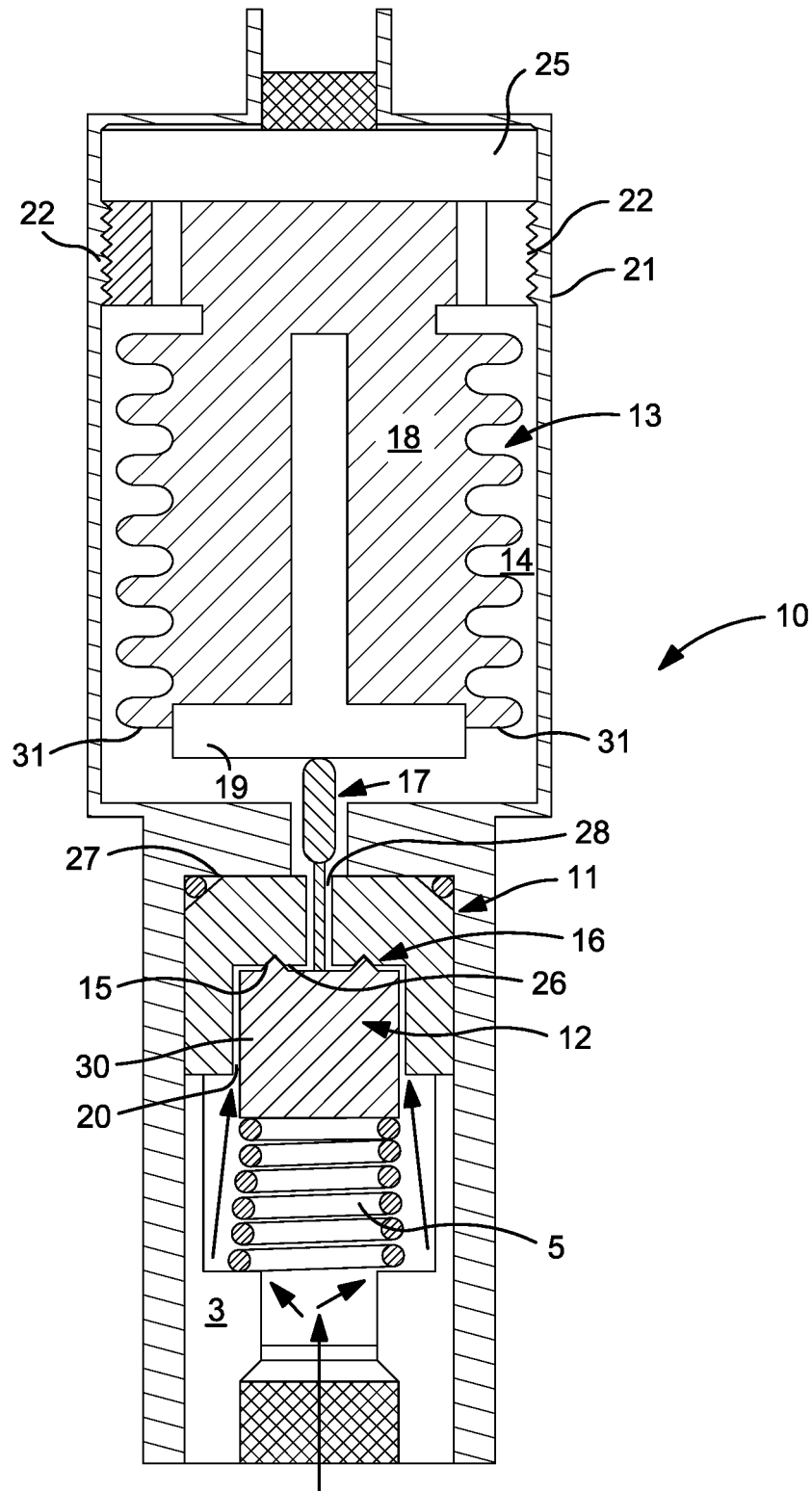
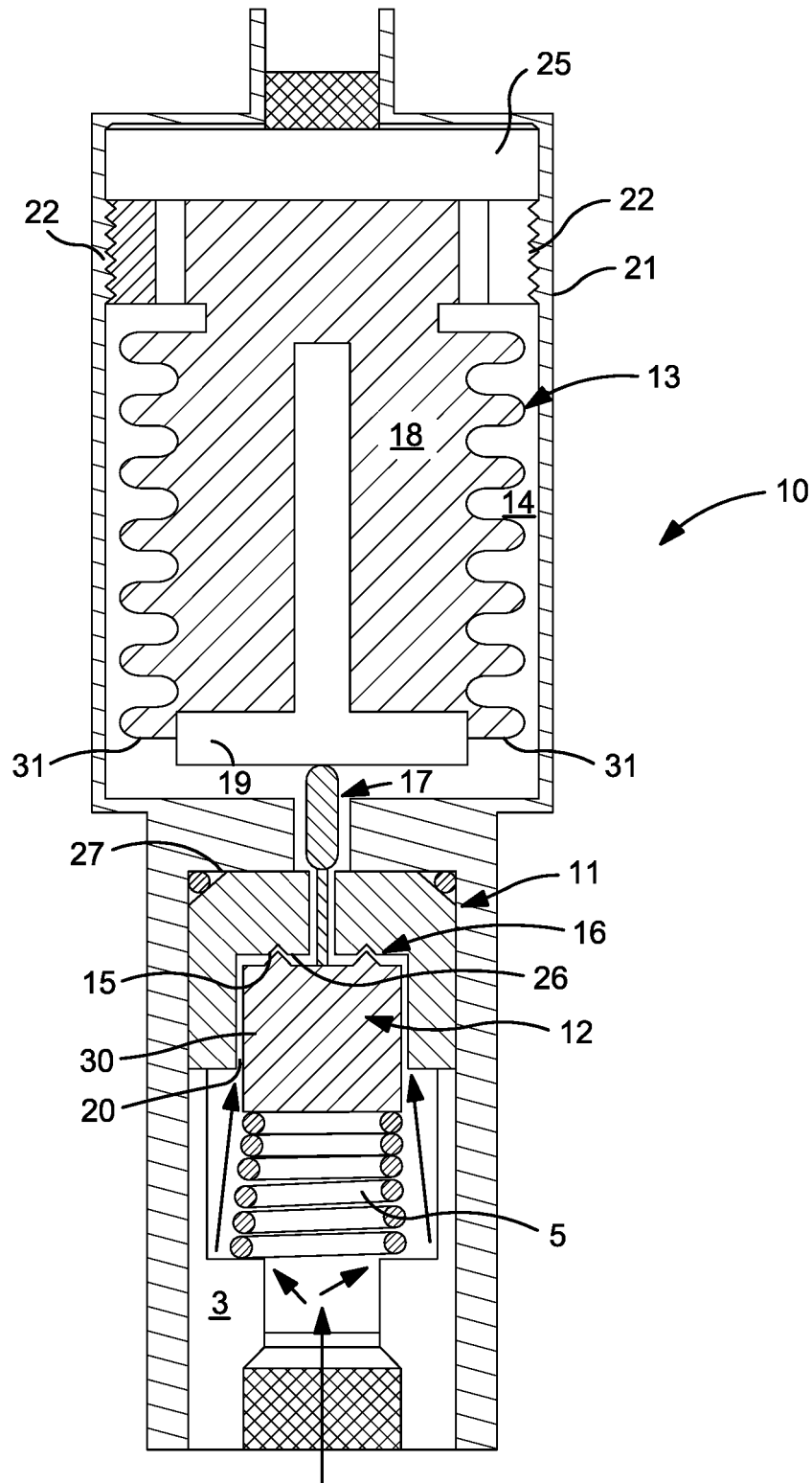


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Closed position

FIG. 1a



Open position

FIG. 1b

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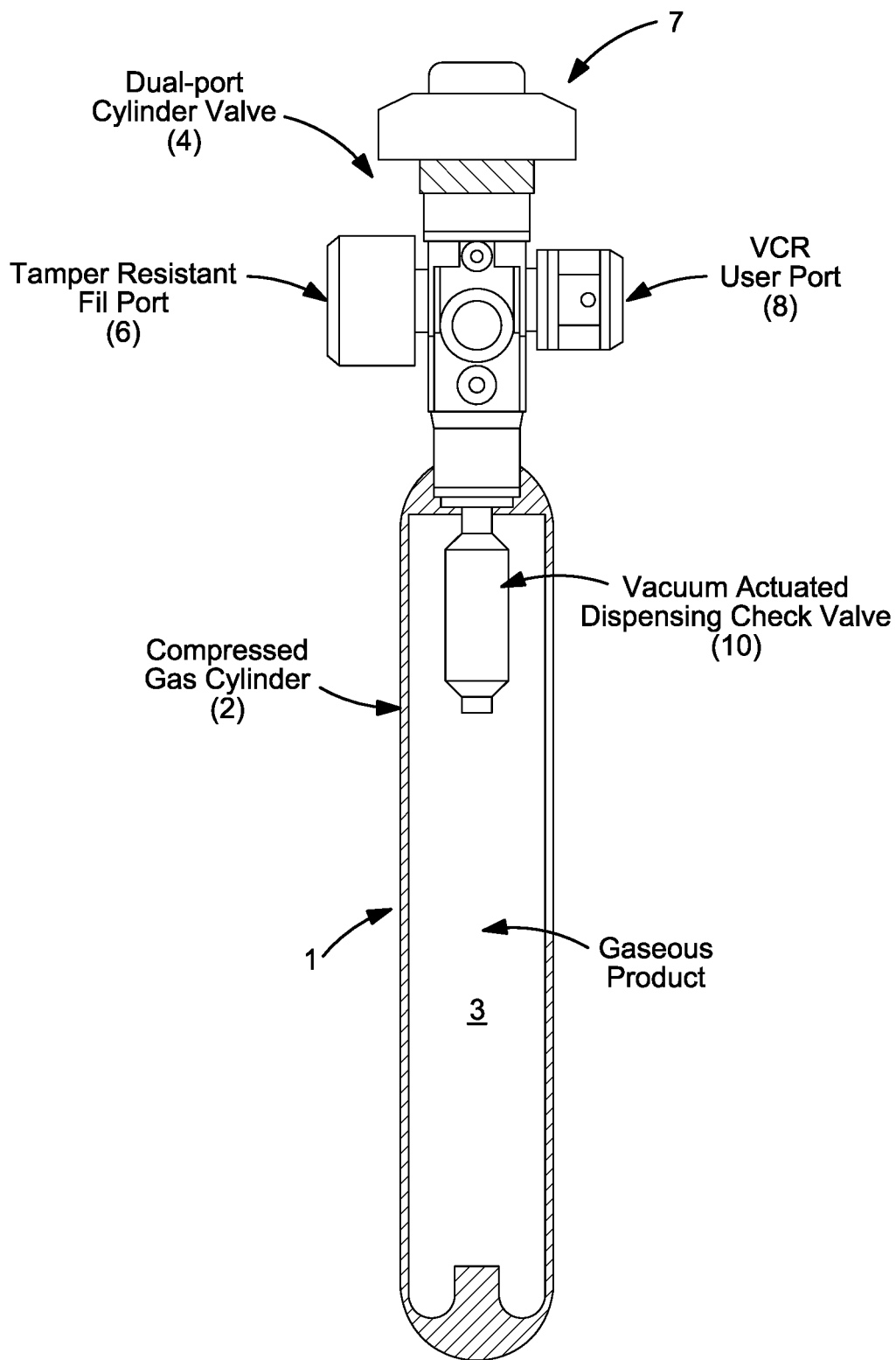
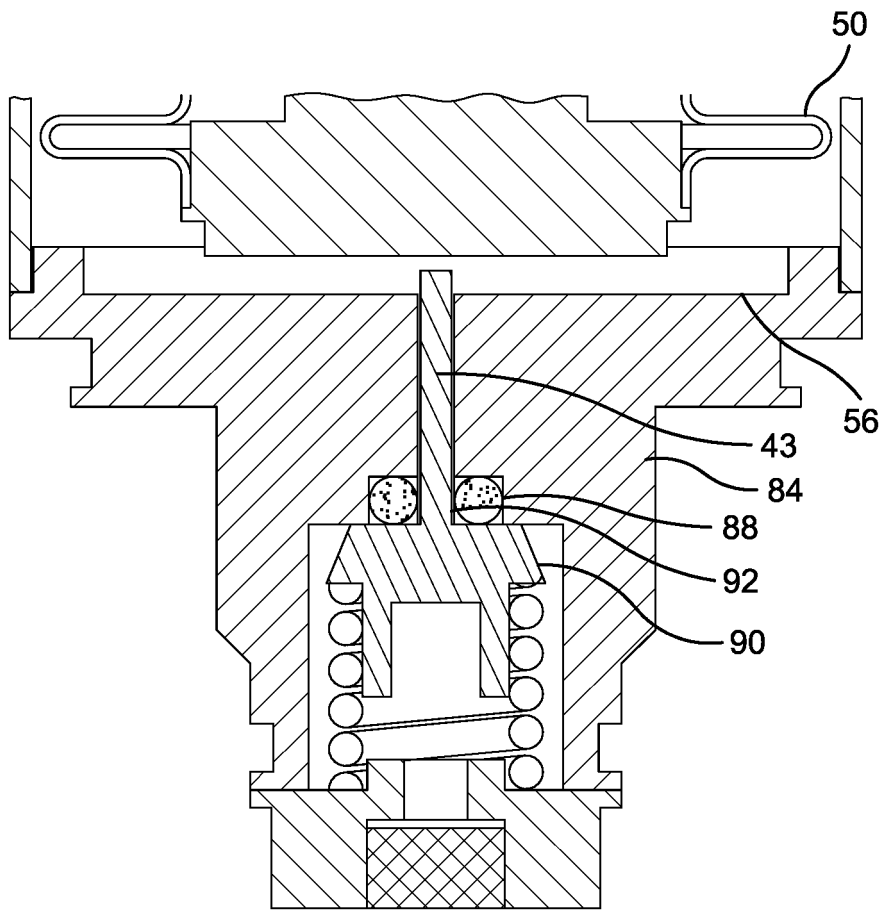


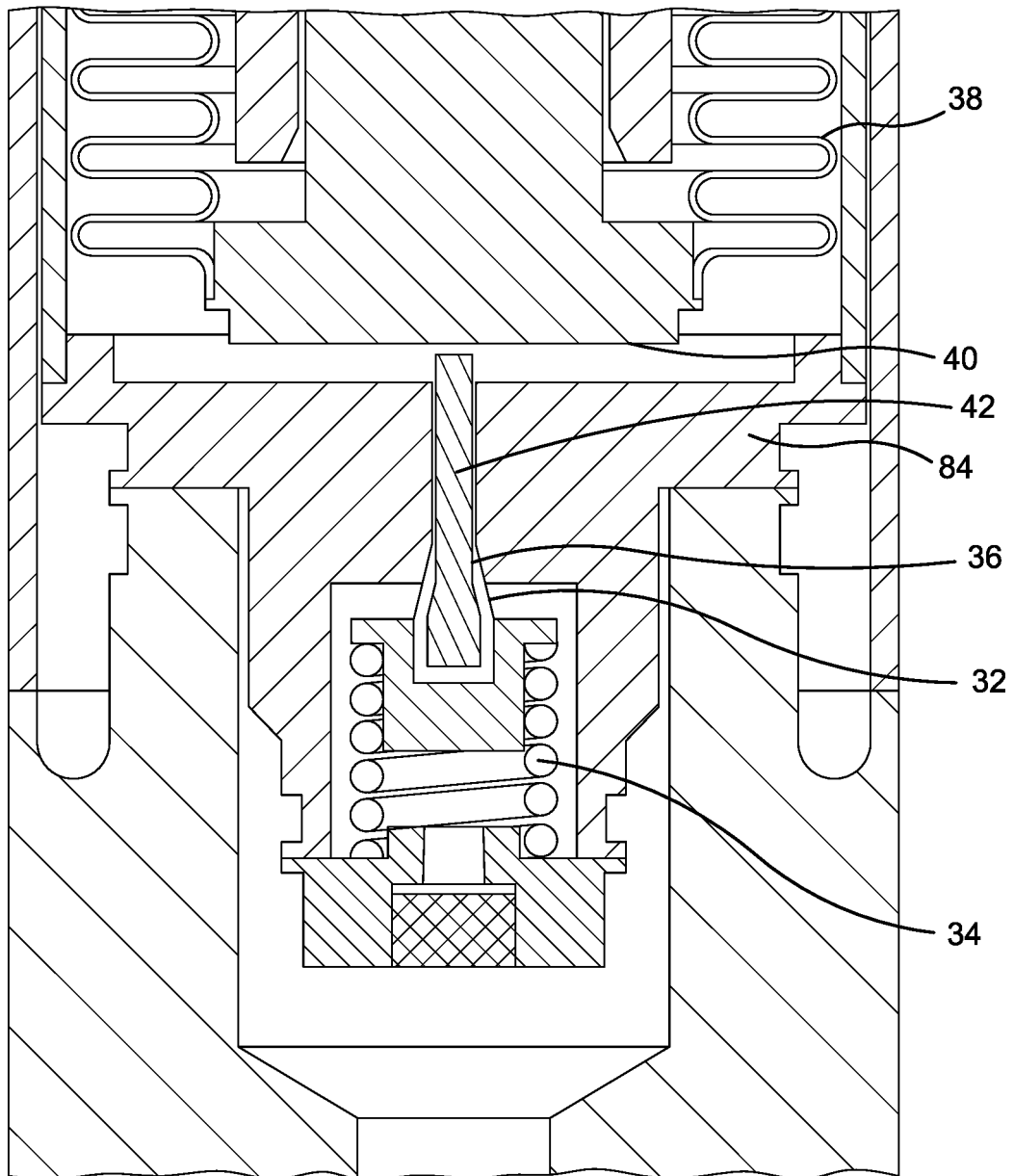
FIG. 1c



Standard o-ring assembly

FIG. 2

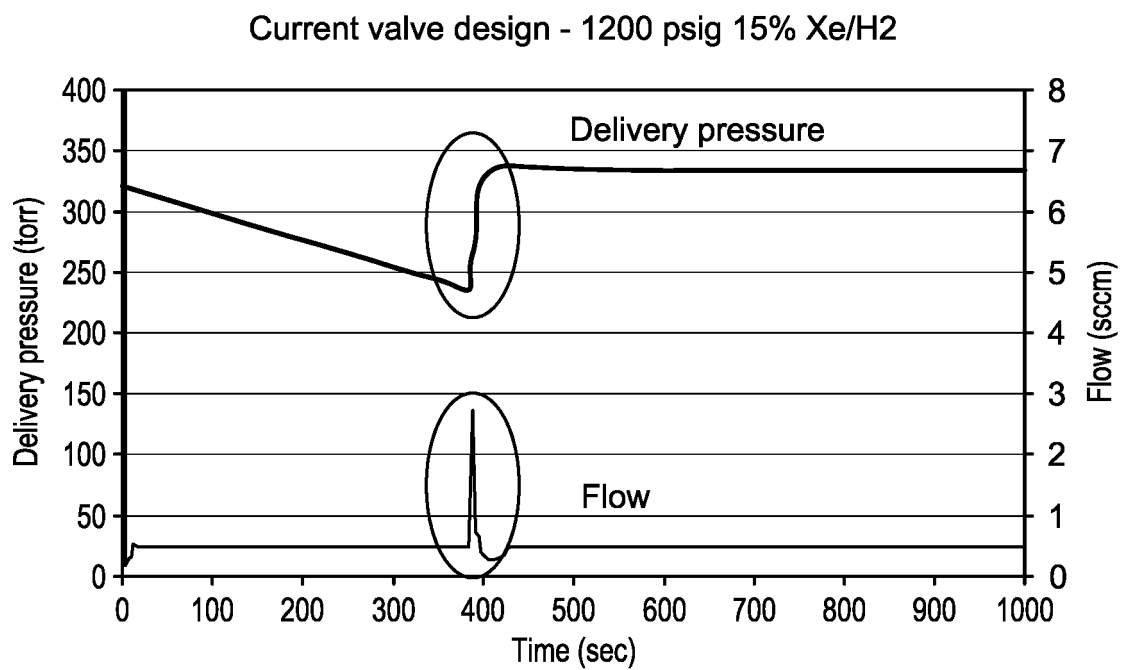
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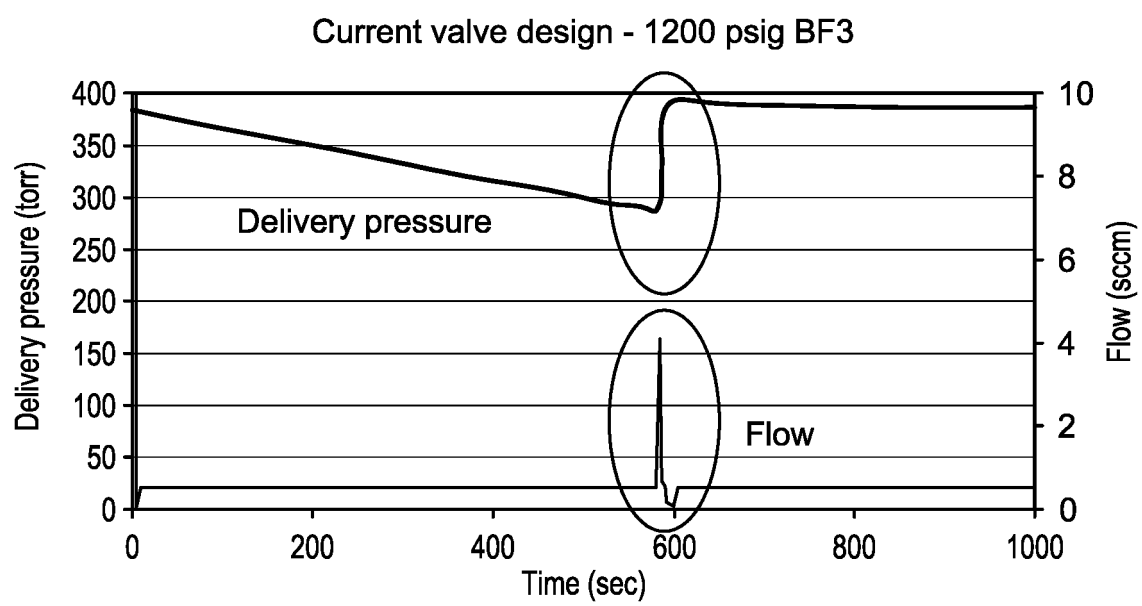
Standard pin/poppet assembly

FIG. 3

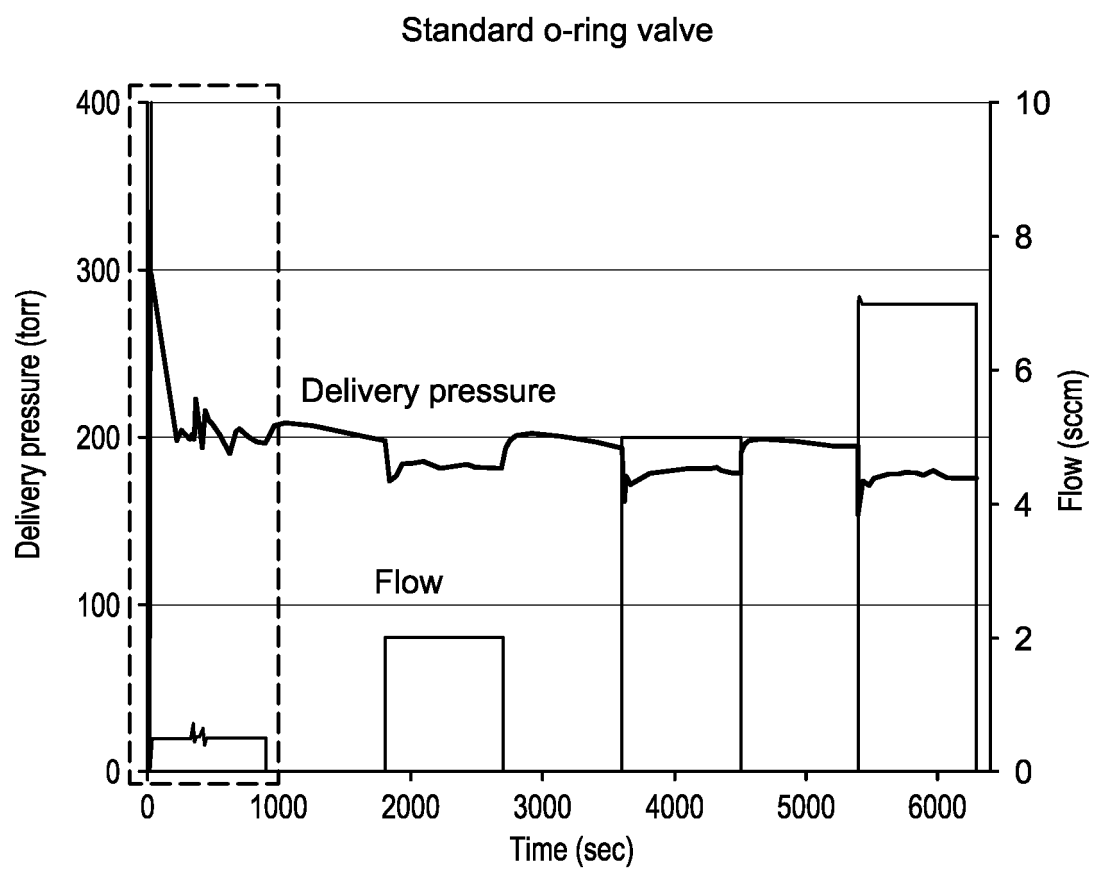
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**FIG. 4**

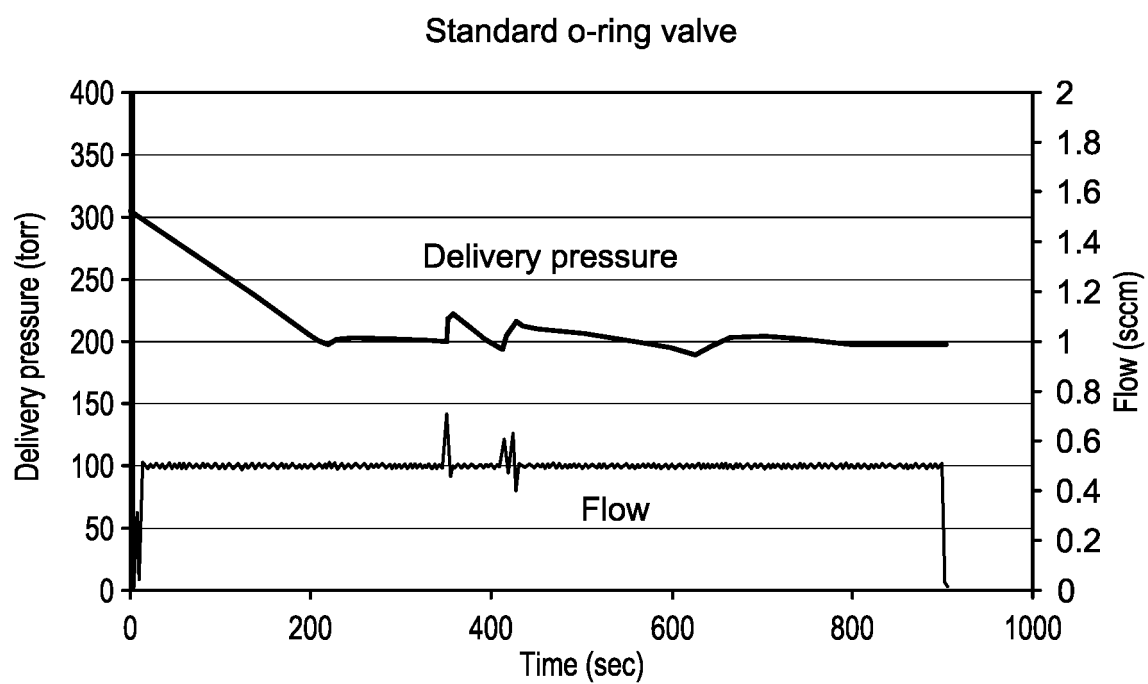
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**FIG. 5**

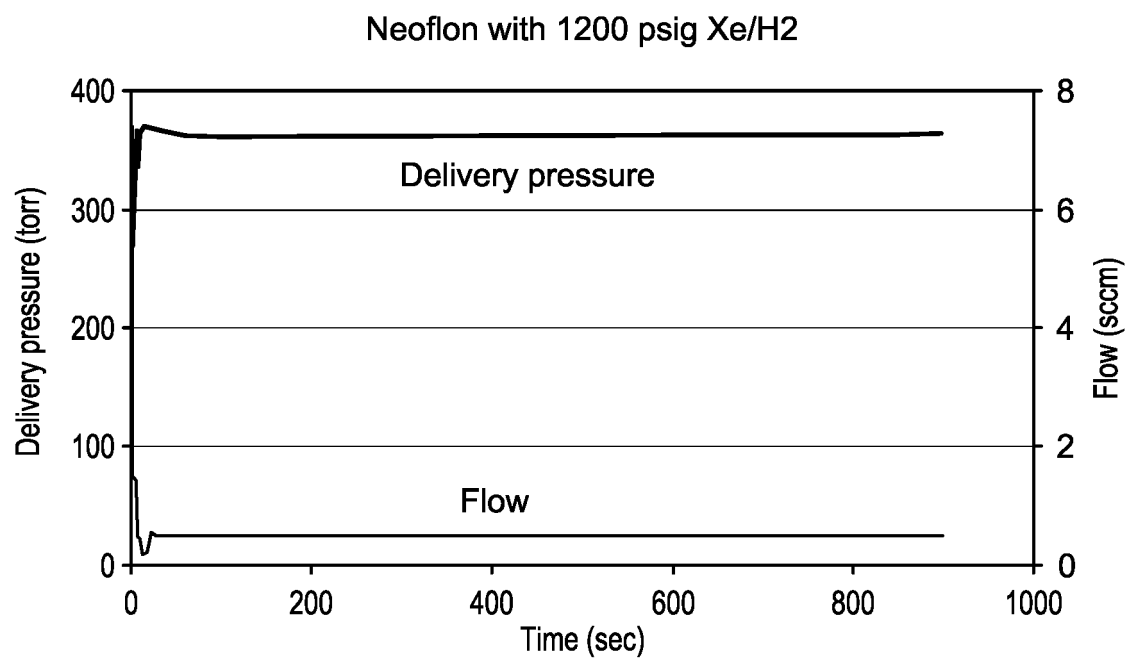
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**FIG. 6a**

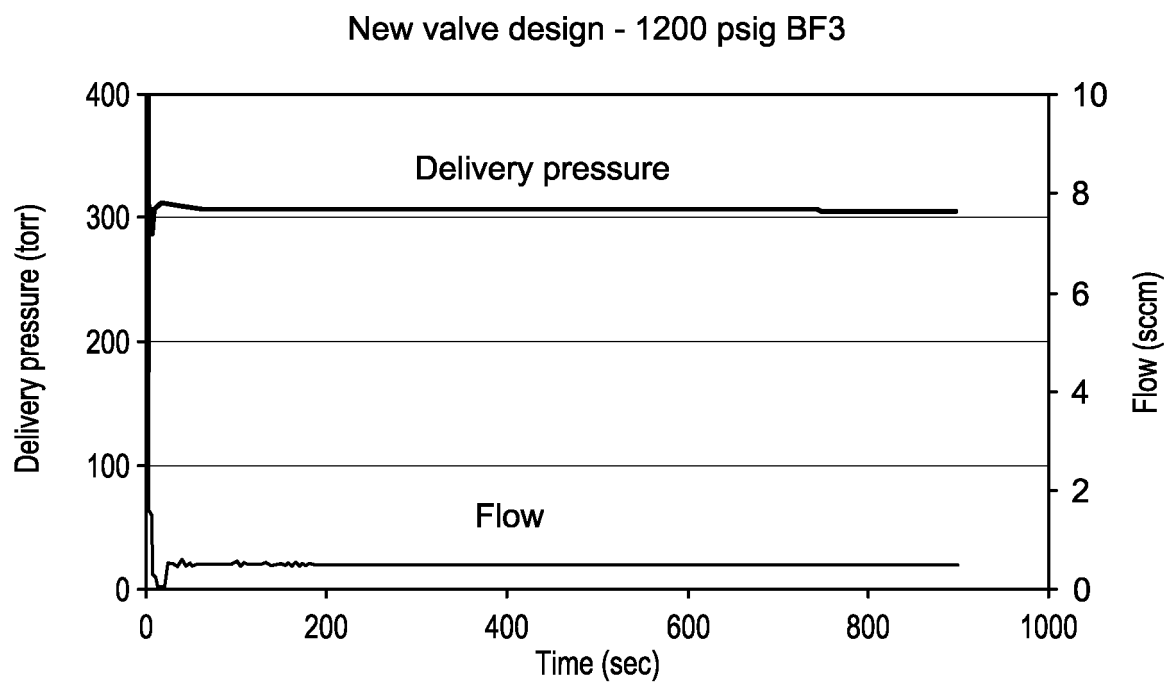
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**FIG. 6b**

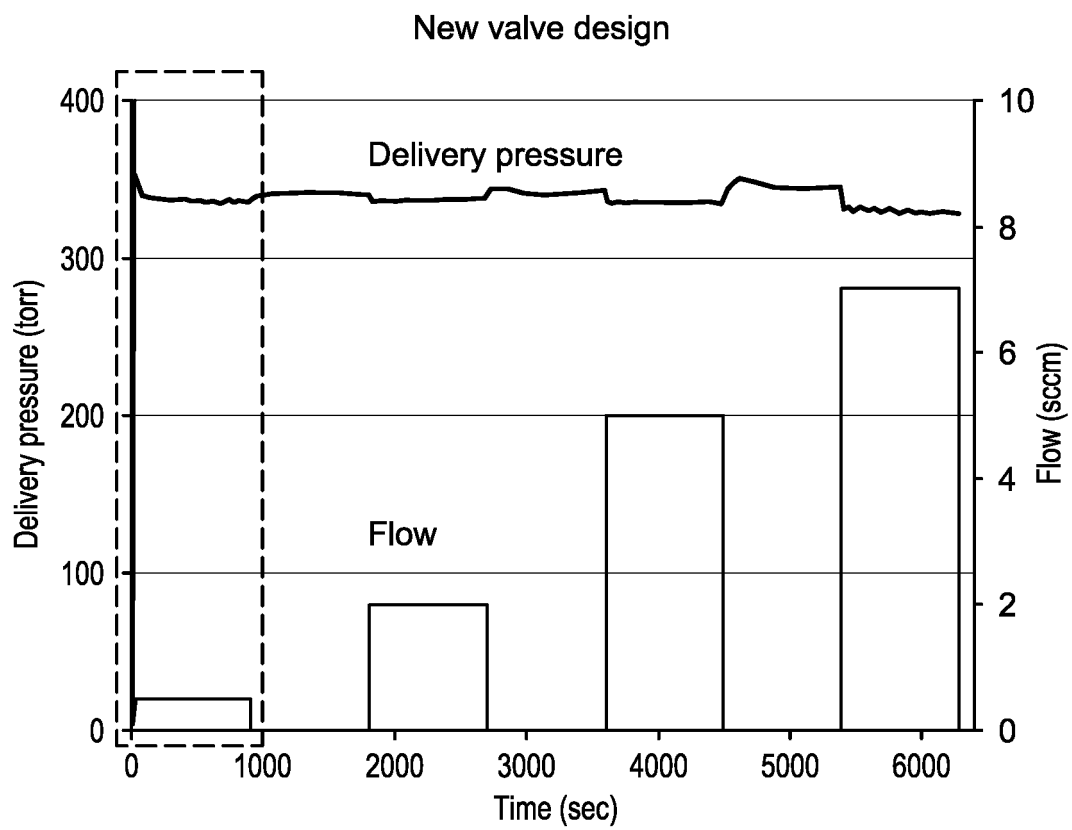
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**FIG. 7**

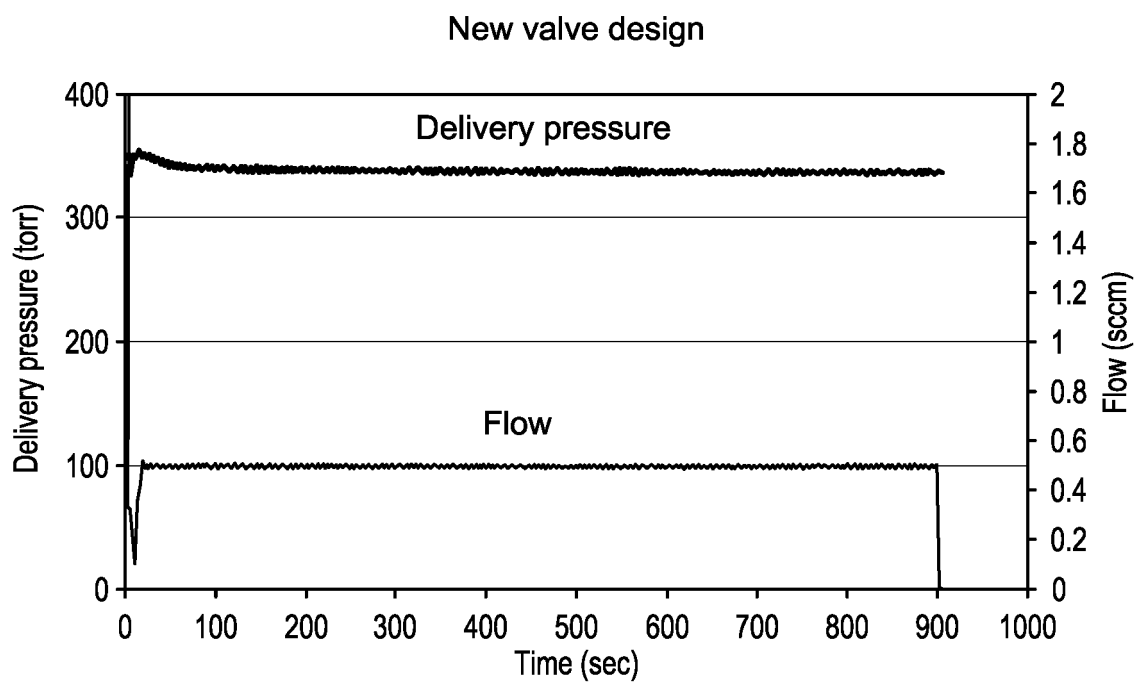
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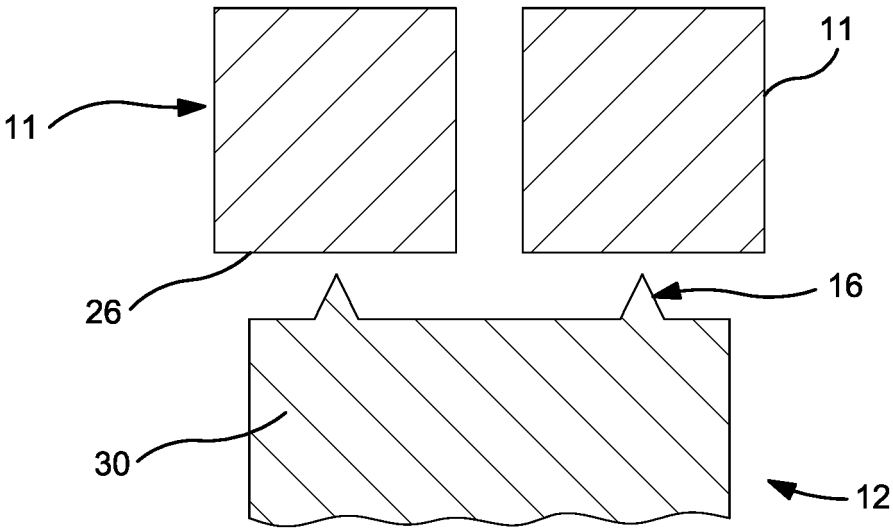
**FIG. 8**

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**FIG. 9a**

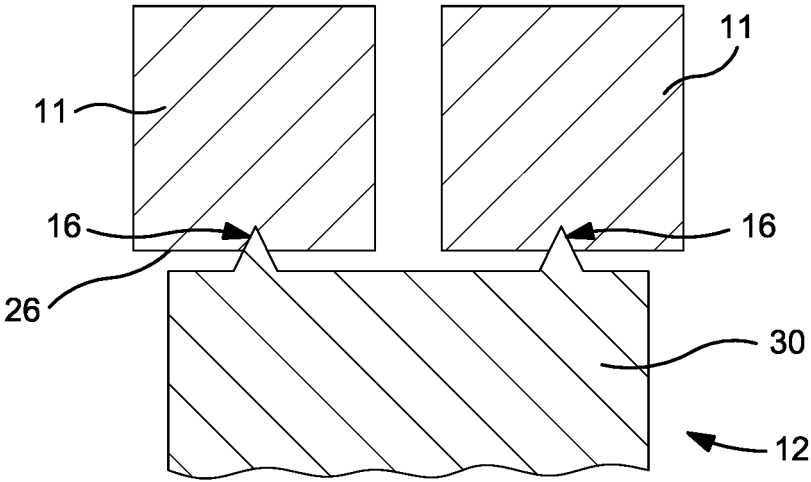
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**FIG. 9b**



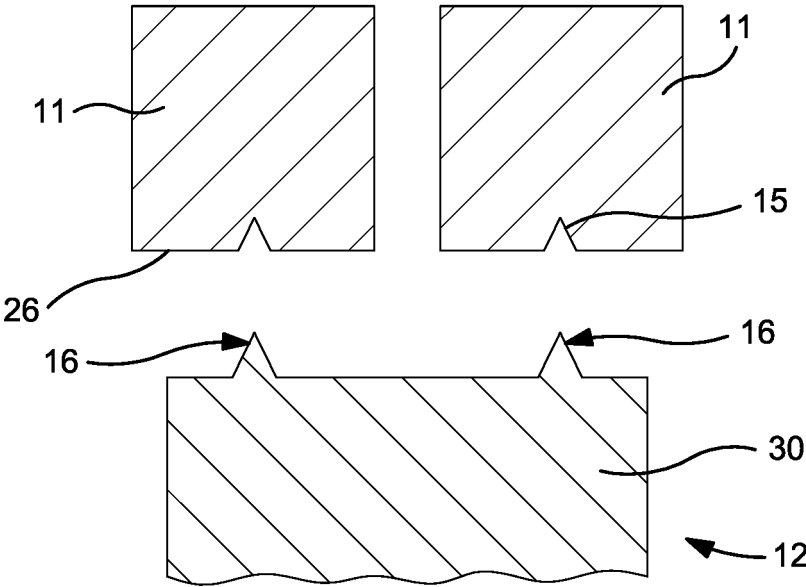
Pre coining

FIG. 10a



During coining

FIG. 10b



Post coining

FIG. 10c

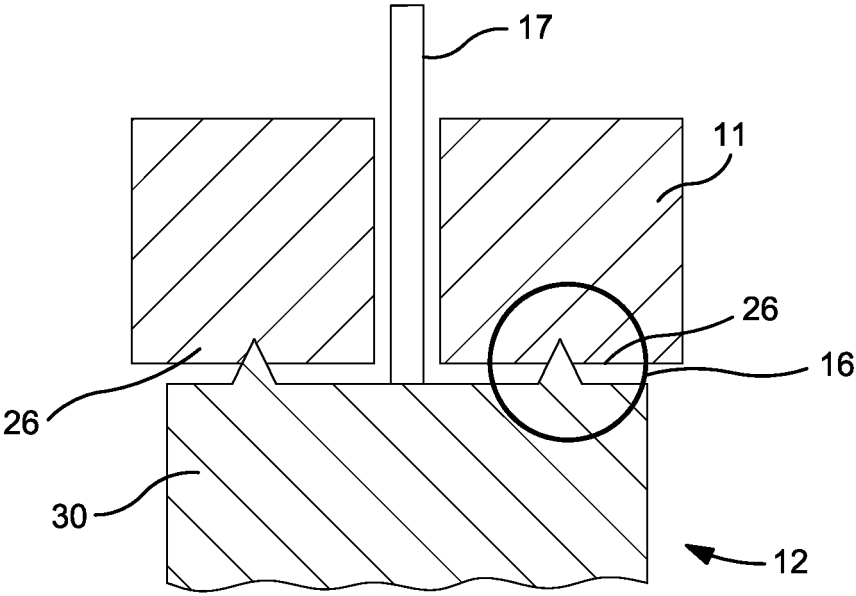


FIG. 11a

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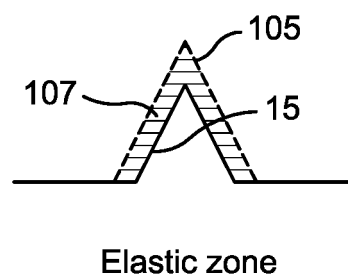


FIG. 11b

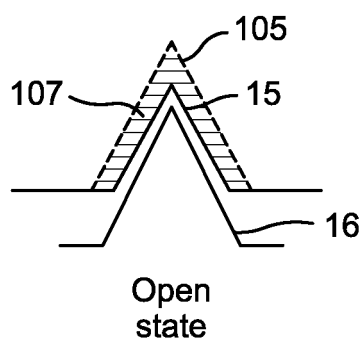


FIG. 11c

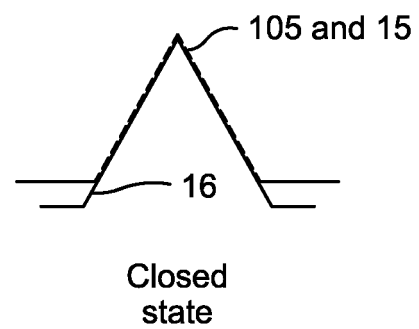
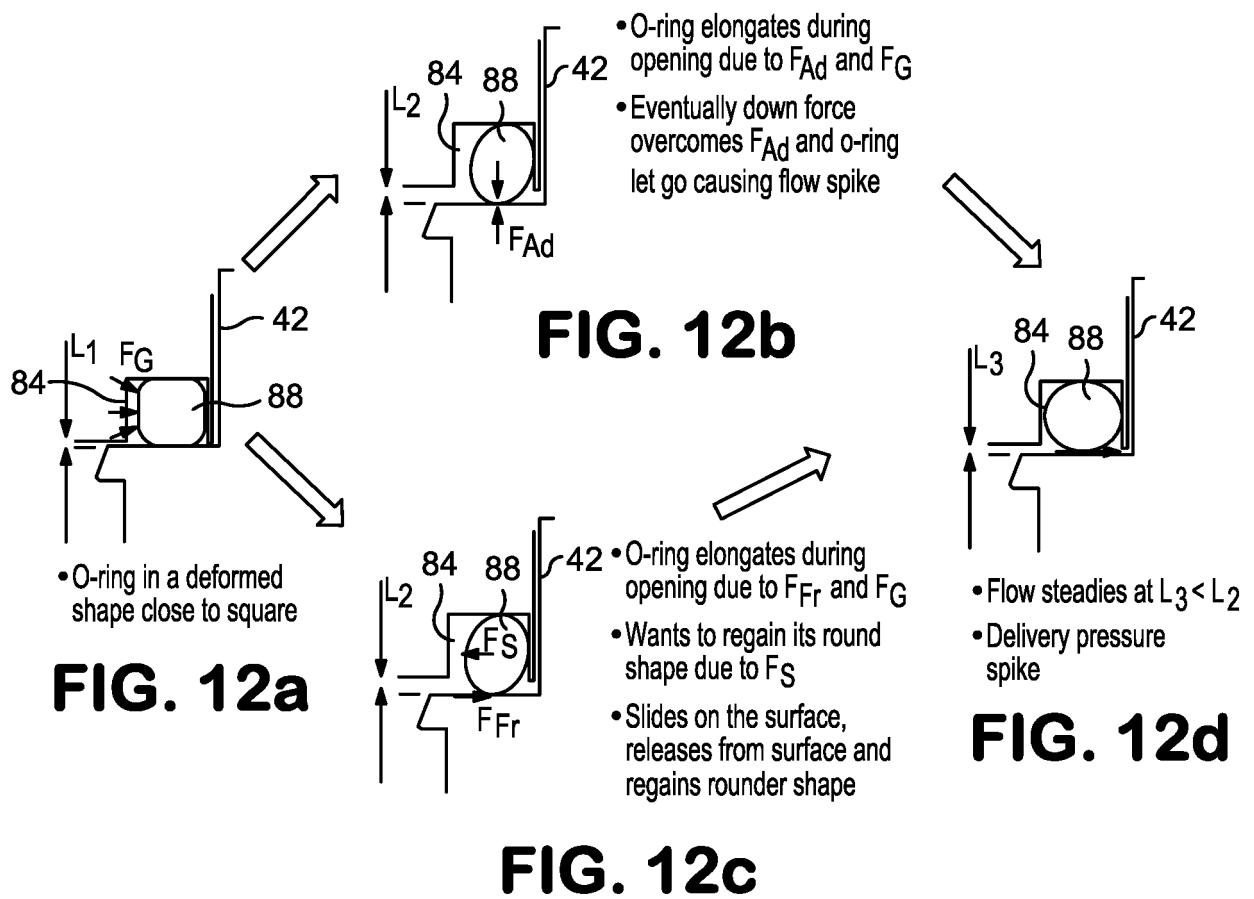


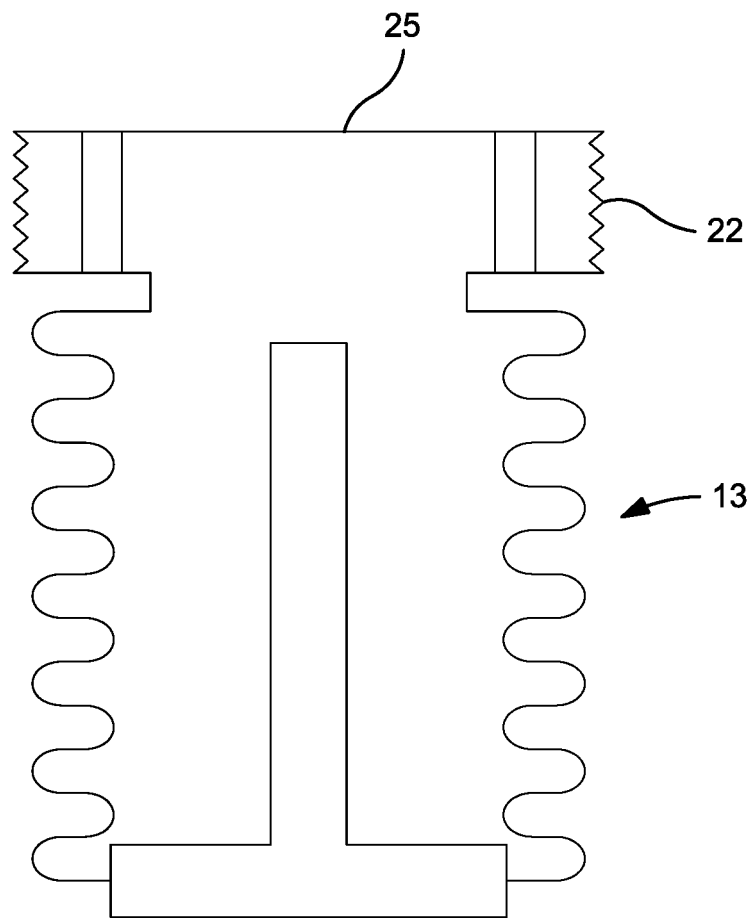
FIG. 11d

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Flow Spike - Two Possible Mechanism



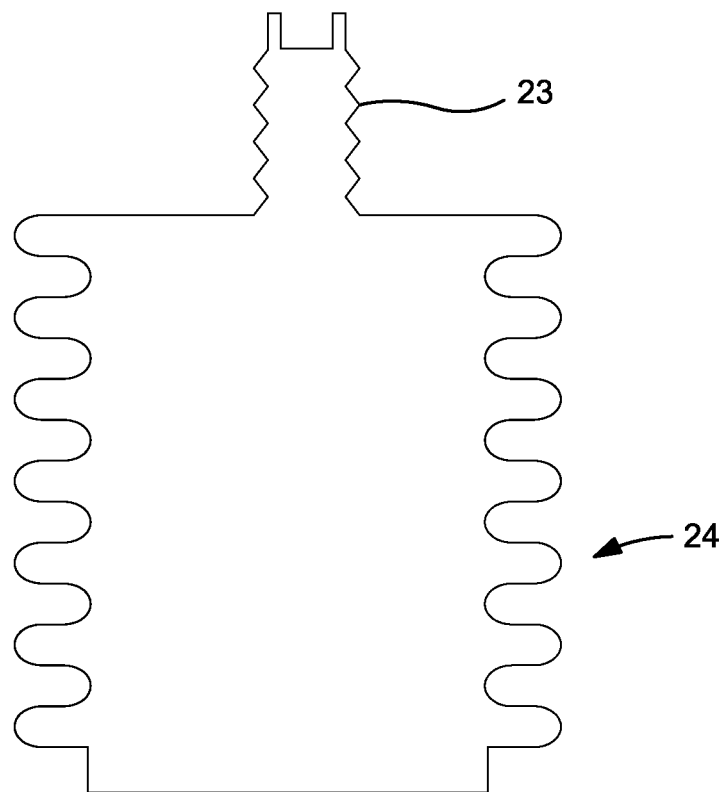
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New Bellows

FIG. 13a

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Bellows of the current art

FIG. 13b

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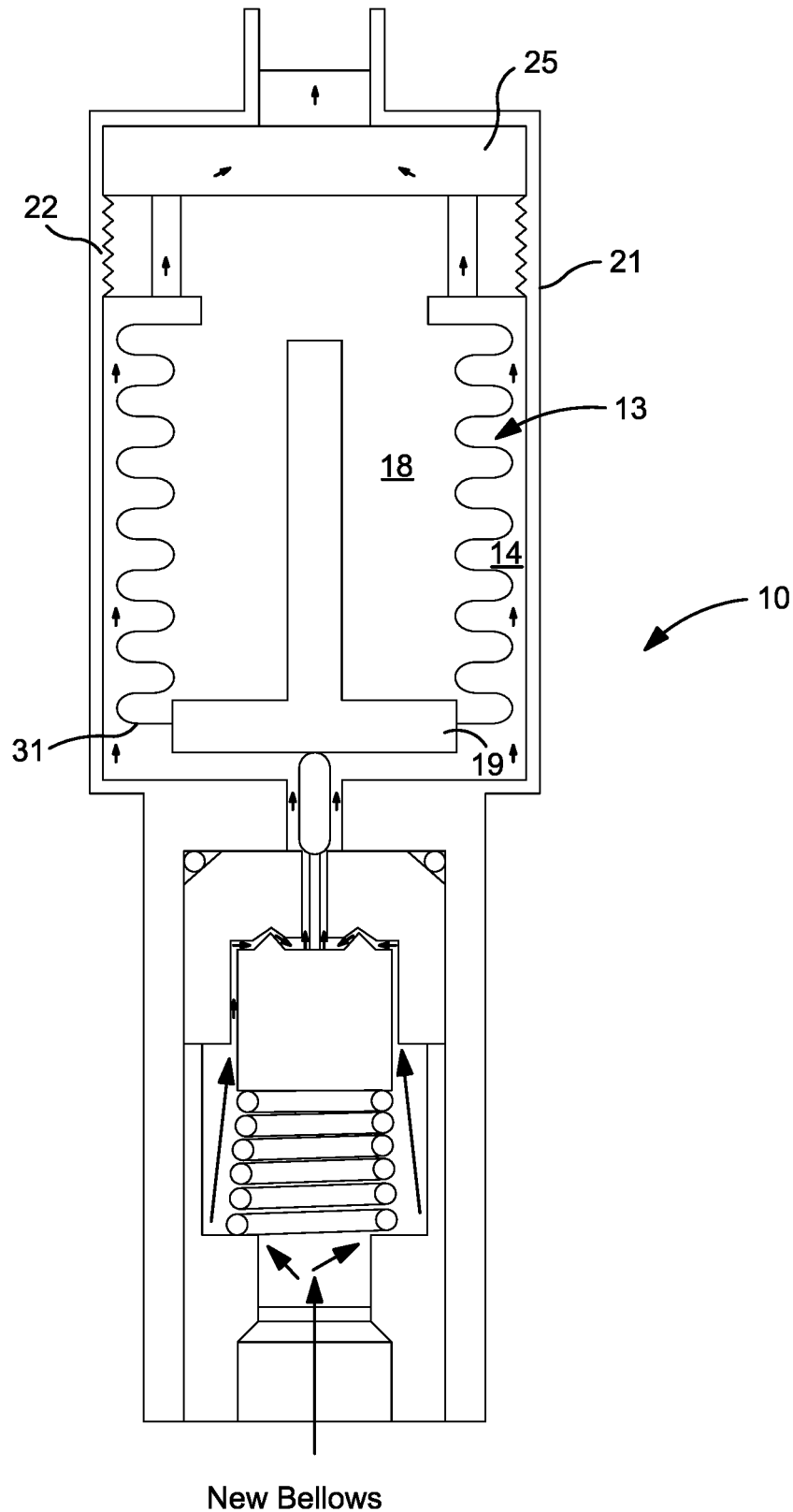
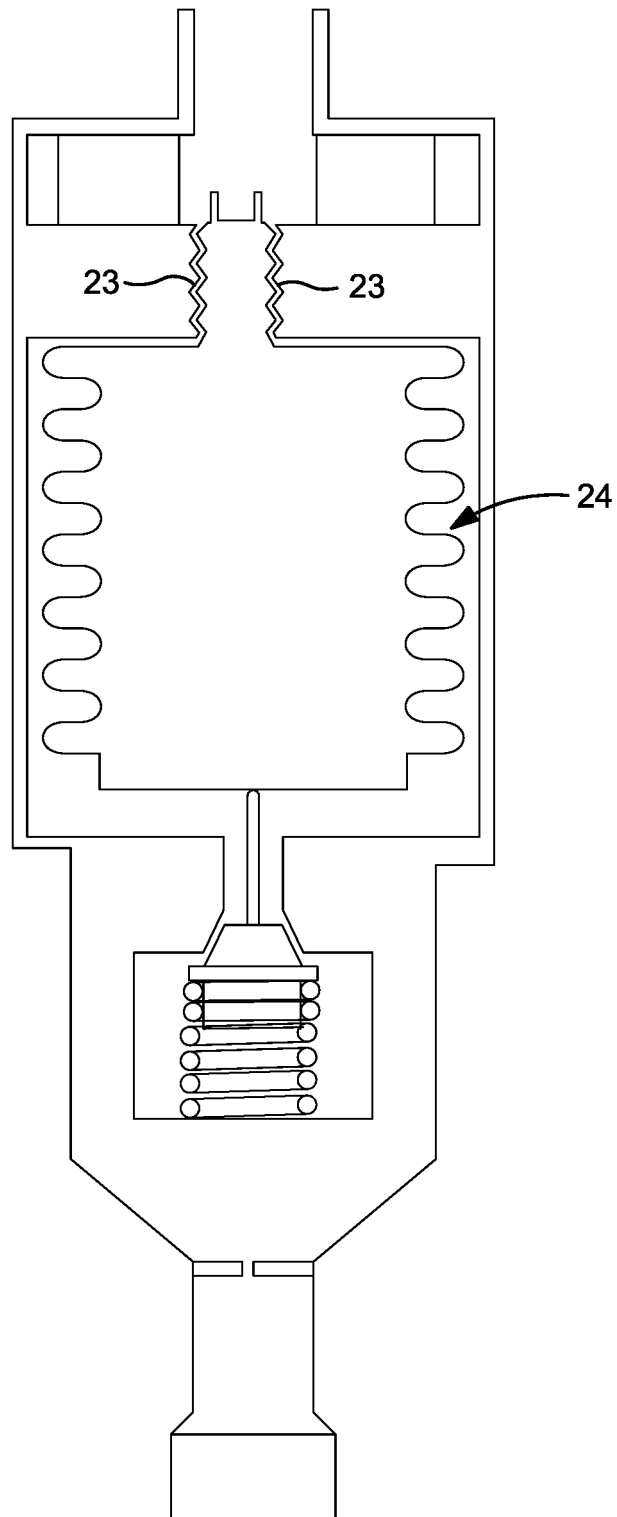


FIG. 13c

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Bellows of the current art

FIG. 13d

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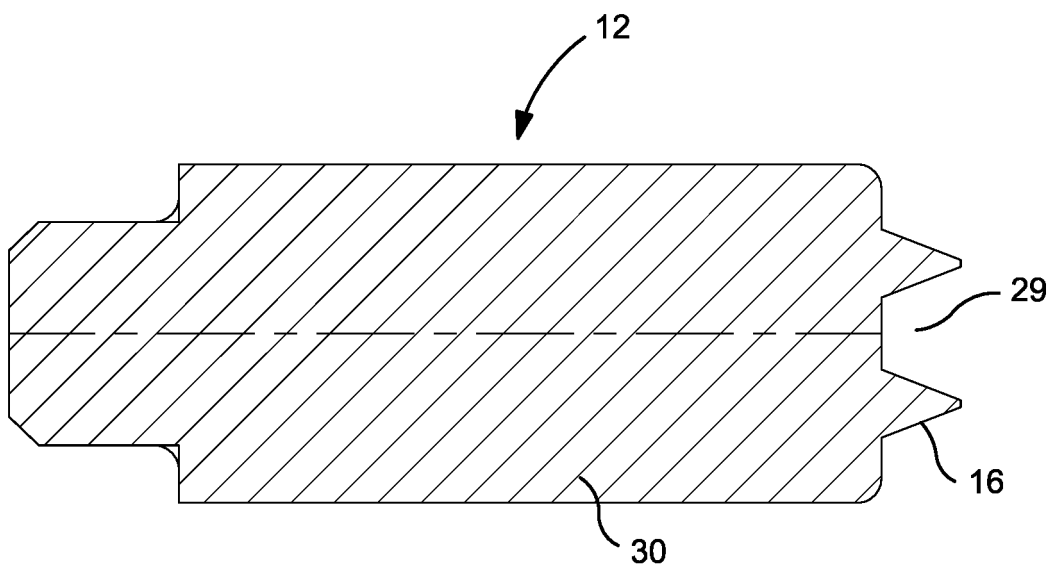
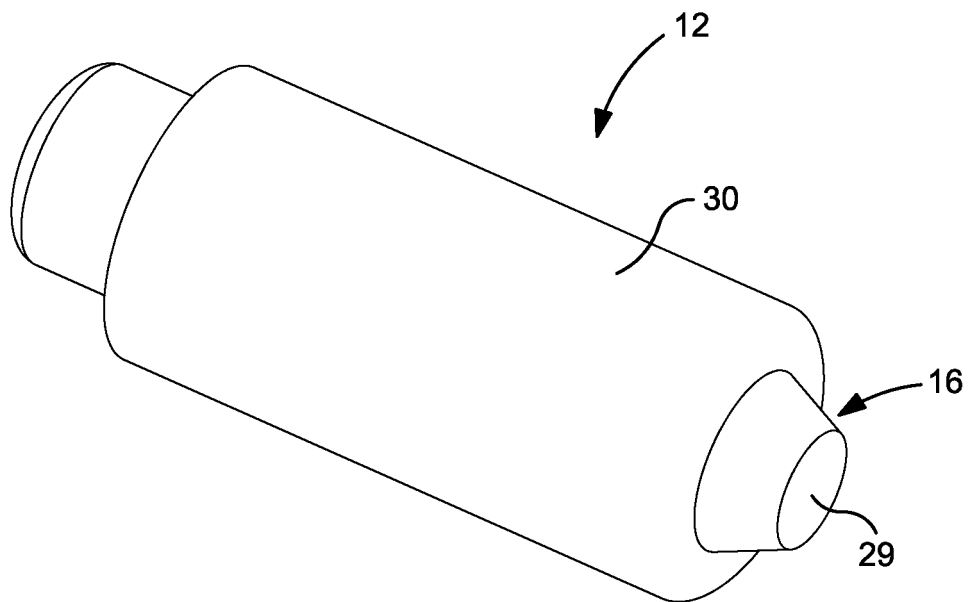


FIG. 14a

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Isometric View

FIG. 14b