

[0145] In a configuration, a respiratory system for delivering a respiratory therapy to a patient, the system configured to adjust a flow rate of gases delivered to the patient according to patient inspiration and expiration, can comprise a flow generator with a motor for generating a gases flow; and a controller in electrical communication with one or more sensors and configured to: cause to be displayed, on a user interface of the respiratory system, an expiratory relief level setting, the setting comprising a plurality of different expiratory relief levels; receive a user input via the user interface to increase and/or decrease an expiratory relief level; and adjust the flow rate based on the user input, wherein the user input can be configured to allow adjusting of the flow rate based in part on a cycle of the patient inspiration and expiration, wherein the controller is further configured to attenuate the adjusting based on the user input by comparing a maximum and/or minimum flow rate measured by the one or more sensors with a maximum and/or minimum flow rate threshold.

[0146] In a configuration, the user input can be configured to allow adjusting of the flow rate based in part on a cycle of the patient inspiration and expiration by turning on and/or off the expiratory relief, and/or adjusting a magnitude of the expiratory relief.

[0147] In a configuration, the plurality of different expiratory relief levels can comprise a plurality of categories including at least low and high expiratory relief levels. In a configuration, the plurality of different expiratory relief levels can comprise a range of numbers. In a configuration, the plurality of different expiratory relief levels can comprise a sliding scale.

[0148] In a configuration, the first user input can be received via button(s) on the user interface.

[0149]

[0150] In a configuration, the system can be a high flow respiratory system.

[0151] In a configuration, the system can comprise a non-sealed patient interface.

[0152] In a configuration, the non-sealed patient interface can comprise a non-sealed nasal cannula.

[0153] In a configuration, the expiratory relief levels can affect a negative feedback to adjusting of the flow rate as applied in any of the configurations disclosed herein.

WHAT IS CLAIMED IS:

1. A respiratory system for delivering a respiratory therapy to a patient, the system configured to adjust a flow rate of gases delivered to the patient according to patient inspiration and expiration, the system comprising:

a flow generator with a motor for generating a gases flow; and

a controller in electrical communication with one or more sensors and configured to:

cause to be displayed, on a user interface of the respiratory system, an expiratory relief level setting;

receive a first user input to increase and/or decrease an expiratory relief level;

cause to be displayed, on the user interface, a maximum and/or minimum flow rate threshold setting;

receive a second user input to increase and/or decrease the maximum and/or minimum flow rate threshold; and

adjust the flow rate based on the first user input and the second user input,

wherein the first user input is configured to allow adjusting of the flow rate based in part on a cycle of the patient inspiration and expiration and the second user input is configured to attenuate the adjusting based on the first user input by comparing a maximum and/or minimum flow rate measured by the one or more sensors with the maximum and/or minimum threshold.

2. The system of Claim 1, wherein the first user input is configured to allow adjusting of the flow rate based in part on a cycle of the patient inspiration and expiration by turning on and/or off the expiratory relief, and/or adjusting a magnitude of the expiratory relief.

3. The system of Claim 1 or 2, wherein the expiratory relief level setting comprises a plurality of different expiratory relief levels.

4. The system of Claim 3, wherein the plurality of different expiratory relief levels comprise a plurality of categories including at least low and high expiratory relief levels.

5. The system of Claim 3, wherein the plurality of different expiratory relief levels comprise a range of numbers.

6. The system of Claim 3, wherein the plurality of different expiratory relief levels comprise a sliding scale.

7. The system of any of Claims 1-3, wherein the first user input is received via button(s) on the user interface.

8. The system of any of Claims 1-7, wherein the expiratory relief level setting is accessible by the patient.

9. The system of Claim 8, wherein the maximum and/or minimum flow rate threshold setting is not accessible by the patient.

10. The system of Claim 9, wherein the maximum and/or minimum flow rate threshold setting is accessible by a clinician or technician.

11. The system of any of Claims 1-10, wherein the system is a high flow respiratory system.

12. The system of Claim 11, comprising a non-sealed patient interface.

13. The system of Claim 12, wherein the non-sealed patient interface comprises a non-sealed nasal cannula.

14. A respiratory system for delivering a respiratory therapy to a patient, the system configured to adjust a flow rate of gases delivered to the patient according to patient inspiration and expiration, the system comprising:

a flow generator with a motor for generating a gases flow; and

a controller in electrical communication with one or more sensors and configured to:

cause to be displayed, on a user interface of the respiratory system, an expiratory relief level setting, the setting comprising a plurality of different expiratory relief levels;

receive a user input via the user interface to increase and/or decrease an expiratory relief level; and

adjust the flow rate based on the user input, wherein the user input is configured to allow adjusting of the flow rate based in part on a cycle of the patient inspiration and expiration,

wherein the controller is further configured to attenuate the adjusting based on the user input by comparing a maximum and/or minimum flow rate measured by the one or more sensors with a maximum and/or minimum flow rate threshold.

15. The system of any of Claims 14, wherein the system is a high flow respiratory system.

16. The system of Claim 15, comprising a non-sealed patient interface.

17. The system of Claim 16, wherein the non-sealed patient interface comprises a non-sealed nasal cannula.