CLAIMS

1. A method for regulating a pressure in a vehicle, comprising:

in step S1, detecting a pressure P in a compartment of the vehicle; and

in step S2, regulating, by a control apparatus, an angle of an exhaust air valve in response to a starting command, until a target requirement is met,

wherein the control apparatus includes an air-conditioning system controller or a controller for an exhaust air apparatus.

2. The method for regulating a pressure in a vehicle according to claim 1, wherein the starting command is to instruct the control apparatus to determine whether the pressure P in the compartment exceeds a set pressure range $Ps \pm \Delta P$, and to automatically regulate the angle of the exhaust air valve in a set logic if the pressure exceeds the set pressure range.

3. The method for regulating a pressure in a vehicle according to claim 2, wherein during each regulation cycle, after an air-conditioning system is initially powered on, the control apparatus automatically determines whether the pressure P in the compartment exceeds the set pressure range $Ps \pm \Delta P$ and automatically regulates the angle of the exhaust air valve.

4. The method for regulating a pressure in a vehicle according to claim 2, further comprising: a manual operation of determining whether the angle regulation should continue if the control apparatus determines that the pressure P in the compartment exceeds the set pressure range $Ps \pm \Delta P$.

5. The method for regulating a pressure in a vehicle according to claim 2, wherein the set logic is that,

if the detected pressure P in the compartment is higher than the set pressure range $Ps + \Delta P$, the angle of the exhaust air valve is controlled to increase by once or more times control until the target requirement is met; and

if the detected pressure P in the compartment is lower than the set pressure range $Ps - \Delta P$, the angle of the exhaust air valve is controlled to decrease by once or more times control until the target requirement is met;

wherein the target requirement is to regulate the pressure P in the compartment to fall within the set pressure range $Ps \pm \Delta P$.

6. The method for regulating a pressure in a vehicle according to claim 1, wherein the starting command is to manually activate a starting switch which functioning as “increase” or “decrease”, and the control apparatus controls the exhaust air valve to correspondingly increase or decrease a set angle in response to each manual activation.

7. The method for pressure regulating a pressure in a vehicle according to claim 6, wherein the target requirement is the number of manually activating the starting switch.

8. The method for pressure regulating a pressure in a vehicle according to claim 5 or claim 6, wherein a time interval is set between two adjacent regulations.

9. An apparatus for pressure regulating a pressure in a vehicle for implementing the method for regulating a pressure in a vehicle according to any one of claims 1 to 8, comprising:

a pressure detection apparatus, configure to detect in real time a pressure P in a compartment of the vehicle;

a control apparatus, configured to regulate an angle of an exhaust air valve in response to a starting command until a target requirement is met.