CLAIMS

1. A refrigerated container (10) including a ventilation system (20), the ventilation system comprising:

a leak sensor (52) disposed within an interior space (16) of the refrigerated container (10) and arranged to provide a signal indicative of a concentration of a refrigerant (18) within the interior space;

a controller (56) arranged to receive the signal;

an injection port (70);

a vent door (50) movably disposed on a floor (30) of the refrigerated container (10), the vent door (50) being movable between a closed position and an open position;

an actuator (54) arranged to facilitate movement of the vent door (50) between the closed position towards the open position;

a vent port (72) spaced apart from the injection port (70), the vent port extending through at least one of the front wall (32), a rear wall (34), and a side wall (38), the vent port (72) separate from an opening receiving the vent door (50), wherein the vent port (72) is normally in a closed position and acts as a ventilation device or pressure relief device to prevent the refrigerated container (10) from exceeding an internal pressure threshold;

a pressure sensor (76) in communication with the controller (56), the pressure sensor arranged to provide a signal indicative of a pressure within the interior space (16) of the refrigerated container; and

a compressor (74) fluidly connected to the injection port (70), wherein the compressor (74) is arranged to apply an airflow through the injection port (70) and into the interior space (16) to pressurize the refrigerated container (10) with air;

wherein the controller (56) is programmed to command the compressor (74) to apply an airflow through the injection port (70) and into the interior space, responsive to the signal indicative of a concentration of a refrigerant being indicative of the concentration of the refrigerant within the interior space being greater than a threshold concentration; and

wherein the vent port (72) is controlled to open responsive to the signal provided by the pressure sensor (76) being indicative of a pressure within the interior space (16) being greater than a threshold pressure.

2. The refrigerated container (10) of claim 1, wherein the injection port (70) extends through at least one of the front wall (32) and the side wall (38).

3. The refrigerated container (10) of claim 1 or 2, wherein the controller (56) is programmed to command the actuator (54) to move the vent door (50) from the closed position

towards the open position, responsive to the signal being indicative of the concentration of the refrigerant (18) within the interior space (16) being greater than a threshold concentration.