CLAIMS

1. A spray device for detecting leaks, comprising:
a duct comprising:
an inlet configured to be connected to a tracer gas source, and
an outlet;
a valve interposed between the inlet and the outlet;
a casing receiving the duct and the valve;
at least one probe arranged in the duct, the at least one probe being configured to measure a parameter revealing a presence of the tracer gas in the duct;
at least one information device borne by the casing, configured to provide information on the presence of tracer gas in the duct in relation to a measurement performed by the at least one probe; and
a control unit configured to communicate with a leak detector by wireless communication, wherein the control unit is further configured to indicate information on a flow of tracer gas measured by the leak detector by means of the information device.

2. The spray device according to claim 1, wherein the at least one probe is arranged downstream of the valve in a direction of circulation of the gases, the at least one probe comprising a flow rate sensor.

3. The spray device according to claim 1, wherein the at least one probe is arranged upstream of the valve in a direction of circulation of the gases, the at least one probe comprising a flow rate sensor or a pressure sensor.

4. The spray device according to claim 1, further comprising a comparator device linked to the at least one probe and to the information device, the comparator device being configured to compare the measurement performed by the at least one probe with at least one minimum threshold indicating the presence or absence of the tracer gas in the duct based on a result of the comparison.

5. The spray device according to claim 1, wherein the at least one information device is further configured to emit a signal representative of the measurement performed by the at least one probe.

6. The spray device according to claim 1, further comprising:
a passive sensor configured to detect actuation of the valve; and
a trigger configured to actuate the valve, the trigger bearing the passive sensor.

7. The spray device according to claim 1, further comprising an end fitting arranged at the outlet of the duct and a proximity sensor arranged at one end of the end-fitting.

8. The spray device according to claim 1, wherein the at least one information device comprises at least one light emitting diode or a screen or a loudspeaker or a vibratory actuator.

9. The spray device according to claim 1, further comprising a flow rate adjustment device arranged in the duct for adjusting a flow rate of tracer gas downstream of the valve.

10. The spray device according to claim 1, further comprising a battery accommodated in the casing to power the at least one probe and the at least one information device.

11. The spray device according to claim 1, wherein the at least one probe is a microsystem of a microelectromechanical system (MEMS) type.

12. A leak detection module for testing a seal tightness of an object to be tested by spraying tracer gas, the leak detection module comprising:

a spray device according to claim 1; and

a tracer gas source comprising a tracer gas cartridge configured to be connected to the inlet of the duct of the spray device.