

8.20 SAFETY VALVE.**8.20.1 FUNCTION.**

This Safety Valve ensures safeties for overpressure relief, negative pressure relief.

8.20.2 DESCRIPTION.

(See Schematic)

The Safety valve is composed of:

A body which enables the outflow valve to be fitted on a bulkhead flange attached to the aircraft structure.

A cover on which 1 box is fitted and performed the following functions:

Overpressure relief : this safety is performed by a barometric capsule driving a valve. Inside the capsule, there is cabin pressure ; outside the capsule, there is static pressure.

Negative pressure relief : this function is performed by the N/R valve which connects the diaphragm chamber to cabin pressure when cabin pressure becomes lower than outside static pressure.

The nozzle is connected to cabin air filter P/N 234A0101

The main poppet including the main diaphragm, the top of the main poppet and the diaphragm form, with the cover, the diaphragm chamber.

A deflector

A spring

Figure 41 : SFV 3D View

