

COMBI pressure compensating valve

Aeration and ventilation

012605

Brief description

Pressure compensating valves are used in the food and beverages industry. They are used as protection against underpressure/overpressure in tanks and other closed systems. They do not meet the criteria for a safety valve according to the pressure equipment directive (PED).

The pressure compensating valve is the combination (COMBI) of an aeration and

- The aeration valve is activated at an underpressure of 3-6 mbar. In the event of increasing underpressure, incoming ambient air leads to pressure compensation inside the system.
- The overpressure valve is activated at 7-10 mbar. In the event of increasing pressure, outgoing air/gas leads to a pressure release inside the system.

The venting or blow-off area is separated from the spring chamber (hygienic design). Any soiling/microbial contamination due to escaping liquid can be cleaned quite easily.



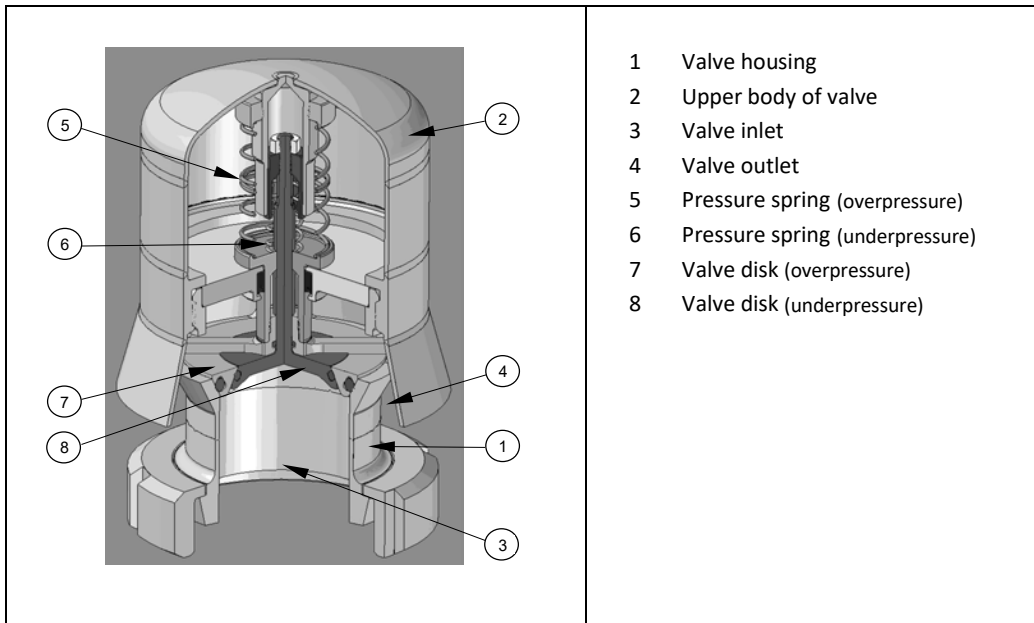
Valve types

Type	Valve DN	Connection DN	Function	Installation position
12605	50	65	Spring tension	Vertical

Technical Data

Product range	
Materials	Stainless steel 1.4307
Seals	EPDM
Surface	≤ 0.8 µm
Other parts	
Materials	Stainless steel 1.4301
Seals	EPDM
Surface	Bright metal
Production	
Operating pressure	Low pressure range 5 - 10 mbar Special pressures up to 200 mbar possible
Temperature	Up to 95°C
Fluids (nontoxic)	Air/Gases (Group II per PED)

Valve design



Output curve

