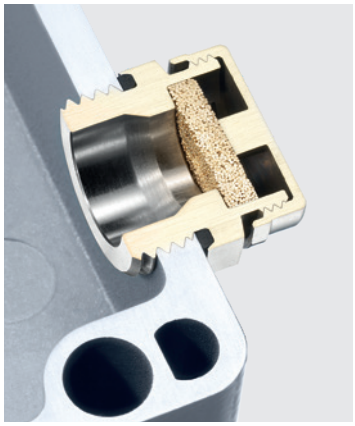
Pressure balance with sintered filter

Use

Many electro-technical housings are always protected against water and dust (IP 68) but are not gastight. This results in access by humidity which condenses if below the dew point line. The water which is present often leads to corrosion and malfunctions. In order to prevent differences in pressure, high levels of humidity and the formation of condensation in the housing, there must always be constant pressure equalization and air exchange. The pressure balance and drainage elements in electrical and electronics housings prevent pressure differences, temperature variations and formation of condensation. Pressure balance elements with sinter filter allow for bigger air exchange rates in respect to the pressure balance elements with membrane and may also be used for drainage. Two opposite elements installed in the same housing allow for optimal circulation of air.

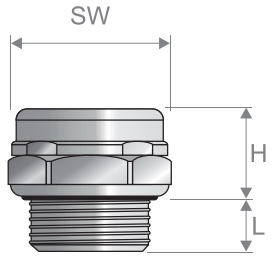


Technical data

Characteristics	Value/property
Material	Nickel-plated brass
Filter disc material	Sintered bronze
O-ring material	NBR
Temperature range	-50°C, +110°C
Protection class	IP 54, IP x9K
Filter degree	40 µm

Coding and dimensions

Metallic pressure balance



Code	Thread	Tightening key SW [mm]	Sizes [mm] H	Sizes [mm] L	Packaging [pcs]
PCSMB2_M012	M12x1,5	18	9,5	8,0	25
PCSMB2_M016	M16x1,5	18	9,5	8,0	20
PCSMB2_M020	M20x1,5	22	10,0	8,0	20
PCSMB2_P007	Pg 7	18	9,5	8,0	25
PCSMB2_P011	Pg 11	22	10,0	8,0	20