



Ventilation Plugs - Polyamide

Ventilation Plugs are used for equalizing the pressure inside and outside the enclosure. The same is achieved with the help of a membrane inside the ventilation plug, which allows for gases (air) to pass through it while blocking liquids and particulate solids (dust). Applications / Benefits : 1) These prevent components inside the enclosure from being exposed to pressurized gases when the enclosure heats up. (By virtue of pressure equalization) 2) These also prevent generation of vacuum inside the enclosure when a heated enclosure cools off. (e.g. In luminaires) 3) These help maintain IP 68 rating of the enclosure while allowing for the above benefits.

Technical Data

Material	Polyamide 6
Colour	RAL 7035 (Light Grey) RAL 9005 (Black)
Temperature Range	-20° C to +100°C Continuous, -30°C to +150°C Intermittent
Protection Class	IP 68 / IP 67 (Pressure 0.1 bar)
Flammability	V2 according to UL 94
Membrane Material	Acrylic copolymer on nylon support
Membrane Feature	Hydrophobic - Oleophobic
O Ring	Nitrile Rubber

Approvals



Ordering Information

Ventilation Plug in Polyamide

Cat. No. Light Grey	Thread Diameter TD (mm)	Thread Length TL (mm)	Air Permeability lt/hour	Water Intrusion Pressure Bar	Size	Design Type	Standard Pack (Pieces)
SBVPB-11L	12	10	16	0.9	M 12 x 1.5	A	50
HBVPB-11L	12	10	120	0.2	M 12 x 1.5	A	50
UHBVPB-11L	12	10	300	0.1	M 12 x 1.5	A	50
SBVPF-11	16	10	42	0.9	M 16 x 1.5	A	50
UHBVPE-11	20	10	750	0.1	M 20 x 1.5	A	25
HBVPX-18S	40	18	1350	0.2	M 40 x 1.5	F	10

Ventilation Plug in Polyamide

Cat. No. Black	Thread Diameter TD (mm)	Thread Length TL (mm)	Air Permeability lt/hour	Water Intrusion Pressure Bar	Size	Design Type	Standard Pack (Pieces)
SBVPB-21L	12	10	16	0.9	M 12 x 1.5	A	50
HBVPB-21L	12	10	120	0.2	M 12 x 1.5	A	50
UHBVPB-21L	12	10	300	0.1	M 12 x 1.5	A	50
SBVPF-21	16	10	42	0.9	M 16 x 1.5	A	50
UHBVPE-21	20	10	750	0.1	M 20 x 1.5	A	25
HBVPX-28S	40	18	1350	0.2	M 40 x 1.5	F	10