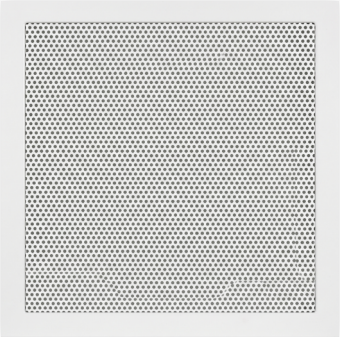
Perforated Diffusers - PD and PD-HF

The Polyaire Perforated Diffuser + Filter is the one product which offers complete and simple service ability for all situations.



A unique design which is very similar to the Polyaire EC-HF Return Air Egg Crate Grille + Filter and can easily be installed and offer the latest in disposable filter pad technology. Ideally suited to environments where regular maintenance of the filter media is a concern, the Perforated Diffuser + Filter is designed for quick, simple filter pad change.

The actual filter pad is a product of exhaustive research by one of the worlds largest air filtration authorities with approval from the American Under-writers Laboratories. A distinct black coloured filter media shows dirt and particle build up and provides for ready inspection prior to replacement as required. Spare Filters are available on request.

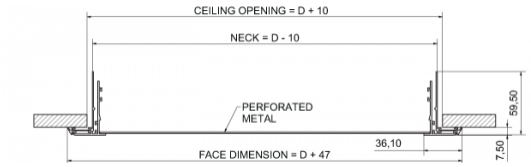
Standard colour -
Powder coat white RAL 9010
Black RAL9005

Other finishes are available to suit the interior requirements.

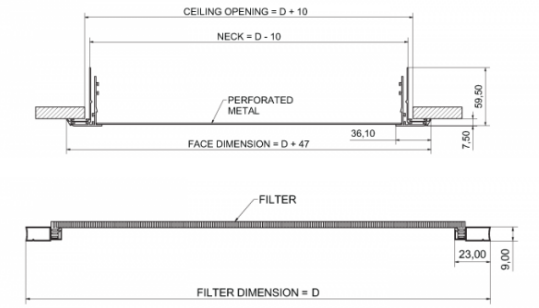
Size of perforated holes = 7mm

Item #	Size	Neck
248102 PD-HF	595x595 (Lay-in)	550x550
248101 PD	595x595 (Lay-in)	550x550

248101 PD

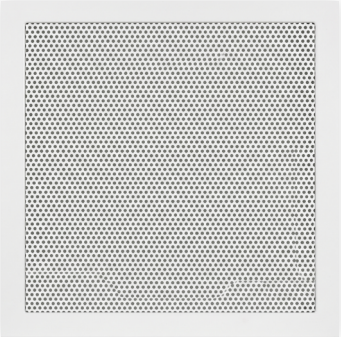


248102 PD-HF



PERFORATED DIFFUSERS

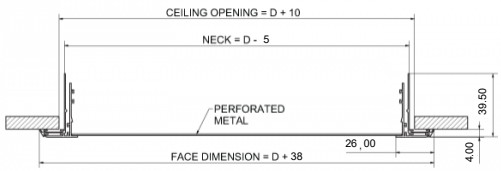
The Polyaire PD Perforated Diffuser are available in stock in a 595 x 595mm tile replacer size.



The perforated face blends in very well with the acoustic tiles of a typical suspended ceiling and can be used for supply, return, relief and exhaust air applications.

Standard construction is of a fixed core while a hinged core + filter is also available.

Standard finish is white RAL9010 or Black RAL9005 while other finishes are available to suit the interior and architectural design requirements.



Size of perforated holes = 7mm dia

Performance:

Face Size	Neck Size	Core Velocity (m/s)	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0
		Pressure Drop (Pa)	8	14	21	30	41	53	67	83
		Flowrate (l/s)	452	601	751	902	1052	1202	1351	1501
		NC Level	-	10	17	25	30	37	42	47

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