

**Use:**

Air supply or air exhaust in low and medium pressure installation in non aggressive environment with relative humidity up to 70%. Possibility to gain any profile of the supplied air. Designed for ventilation of rooms height from 2.6 m to 4.5 m.

Fitting:

On rectangular profile air ducts, in plenum boxes and in suspended ceilings. With the use of visible bolts in a central bolt in holes pressed in the front panel or with the use of a central bolt bracket.

Construction:

Steel panel with outlets placed in series and sinusoidal shape of openings. Different direction of air flow depending on adequate setting of plastic material outlets. Typical diameters of outlets: 38 mm and 55 mm (efficiency of the outlet respectively: 6,5 m³/h i 8 m³/h for L_{WA} = 30 [dB(A)]). Standard colour of outlets - white. Black or no outlets available on request.

Material:

Black steel sheet, galvanised or aluminium.

Surface finish:

White powder coat RAL 9003 or other colour according to RAL catalogue on demand.

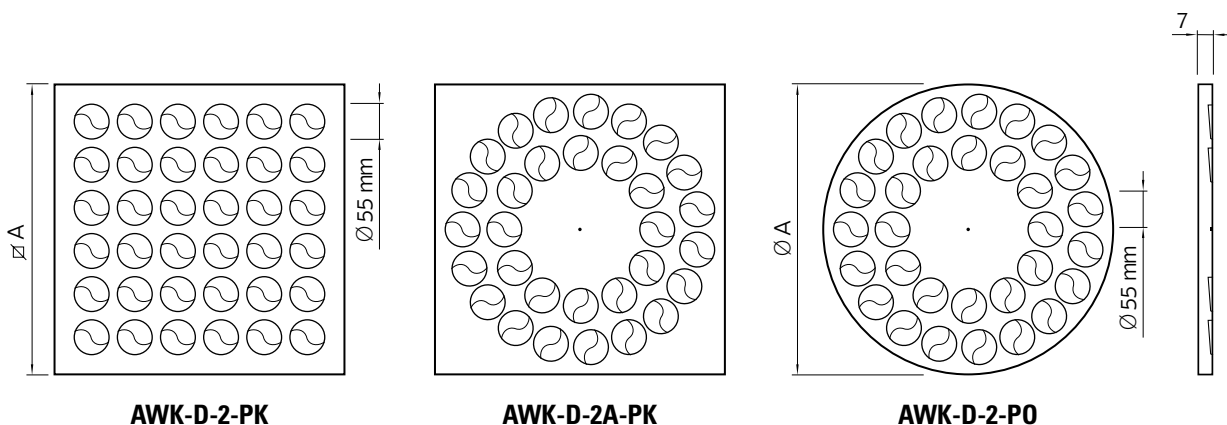
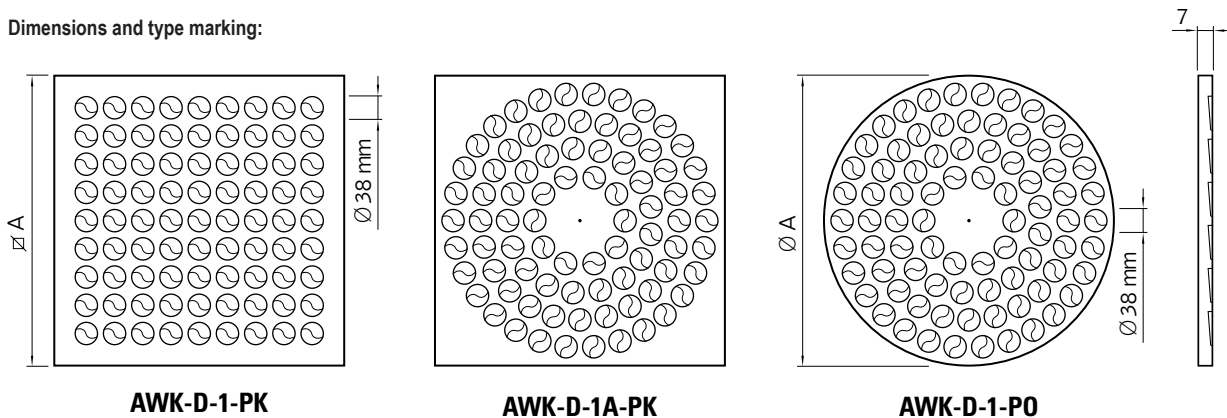
Air flow regulation:

With a single leaf damper at the inlet of a SR plenum box.

Certificates:

Technical recommendation: RT ITB-1148/2010

Hygiene certificate: HK/B/1452/01/2009

Dimensions and type marking:

AWK-D directional diffuser – technical data

Production range:

Size	▣ A	∅ D	Number of outlets	Number of outlets	Diffuser type
300	298	–	36	–	AWK-D-1-PK/300-36
			–	16	AWK-D-2-PK/300-16
	–	298	25	–	AWK-D-1-PO/300-25
			–	12	AWK-D-2-PO/300-12
400	398	–	64	–	AWK-D-1-PK/400-64
			–	25	AWK-D-2-PK/400-25
	–	398	45	–	AWK-D-1-PO/400-45
			–	24	AWK-D-2-PO/400-24
500	498	–	100	–	AWD-D-1-PK/500-100
			–	36	AWD-D-2-PK/500-36
	–	498	79	–	AWD-D-1-PO/500-79
			–	36	AWD-D-2-PO/500-36
600	595	–	144	–	AWKD-D-1-PK/600-144
			–	48	AWKD-D-2-PK/600-48
	–	595	114	–	AWKD-D-1-PO/600-114
			–	58	AWKD-D-1-PO/600-58

Directions of the outflow depending on blades set:

