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## UEB (AIR BLOWING NOZZLES)

## HIGH EFFICIENCY AIR KNIVES

UEB air knives produce a high impact laminar iet of compressed air. They are fully adjustable and precisely engineered with a special design based on the Coanda effect, the natural tendency of a fluid jet to be attracted to a nearby surface. The air blade coming out through their side slot follows the radiused profile and leaves the blower body with a 90° angle from the original direction. The negative pressure brings in a 20 times bigger wind volume allowing a high energy saving. They offer an excellent drying performance and eliminate static electricity.

- Length: 150 mm, 300 mm, 450 mm, 600 mm
- Typical applications: Water removal from surfaces

**V**7

**B**3

- Flocks and water blow off Water removal before stick and print
- Max working temperature LT 95°C
- LP 7 bar Max working pressure
- Thread specification
- Thread size
- BSP, NPT 1/4"
- Materials Body

  - Upper plate
    - A9 Nickel plated steel

**B**3 AISI 316 Stainless steel

AISI 316 Stainless steel





Code	RF	Air capacity (Nm <sup>3</sup> /min)										Dimensions							w
	inch	AI	AO	AI	AO	AI	AO	AI	AO	AI	AO	<b>D1</b> mm	<b>D2</b> mm	<b>D3</b> mm	<b>D4</b> mm	<b>H1</b> mm	<b>H2</b> mm	L mm	kg
UEB 0150 xx yy	1/4"	0.26	4.70	0.34	6.00	0.42	7.10	0.51	8.60	0.60	10.6	20.0	110	75	-	8	12.5	150	0.3
UEB 0300 xx yy		0.52	9.40	0.68	12.0	0.84	14.2	1.02	17.2	1.20	21.2	22.5	85	150	-			300	0.7
UEB 0450 xx yy		0.78	14.1	1.03	18.0	1.26	21.3	1.53	25.8	1.80	31.8	22.5	135	90	270			450	0.9
UEB 0600 xx yy		1.03	18.7	1.40	24.0	1.68	28.4	2.04	34.4	2.40	42.4	22.5	185	150	300			600	1.4
Pressure (bar) 2,0 3,0 4,0 5,0 6,0																			

The table shows the air capacity as a function of the air pressure whereas the below graphs show the noise level as a function of the front and side distances from the nozzle outlet at an operating pressure of 2 bar. The air flow leaving the nozzle orifice drags along ambient air, the air blade produced by the nozzle (AIR OUT) has a larger flow rate which is a multiple of the feed air flow (AIR IN).

## SAVE ENERGY AND INCREASE THE AMOUNT OF WIND

The compressed air exits through the side slot following the radiused profile and leaves the body with an angle of 90° from the original direction. The negative pressure brings in 20 times wind volume and saves energy consumption greatly.

UEB 0150 xx yy

OZZLE TYPE

• 0450 - 450 mm • 0600 - 600 mm



TO M **NOZZLE CODE** 

EX.: UEB 0150 V7SG









AIR BLOWING NOZZLES



