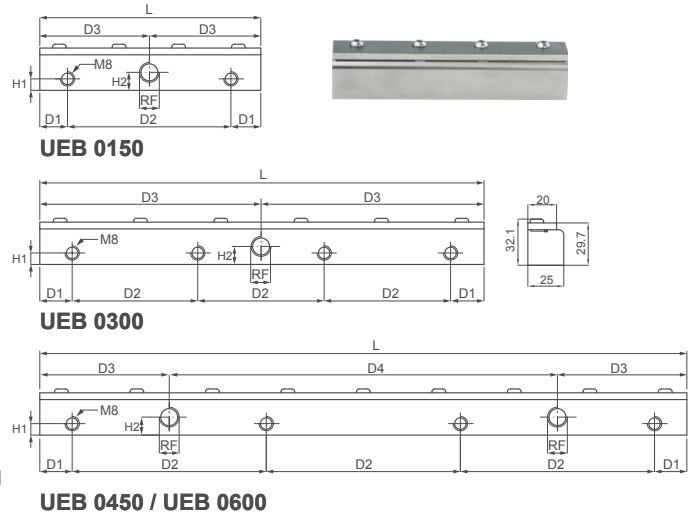


**HIGH EFFICIENCY AIR KNIVES**

UEB air knives produce a high impact laminar jet 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  
Flocks and water blow off  
Water removal before stick and print
- Max working temperature **LT** 95°C
- Max working pressure **LP** 7 bar
- Thread specification **BSP, NPT**
- Thread size **1/4"**
- Materials **Body V7** Aluminium, electroless nickel plated  
**B3** AISI 316 Stainless steel  
**Upper plate A9** Nickel plated steel  
**B3** AISI 316 Stainless steel



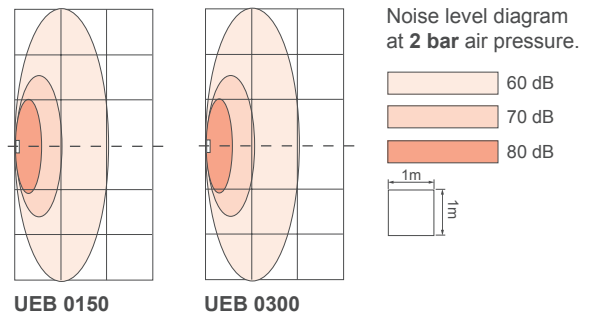
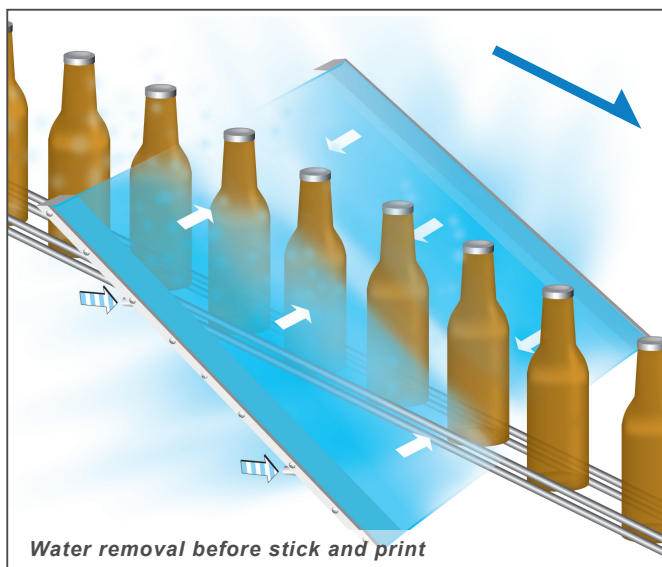
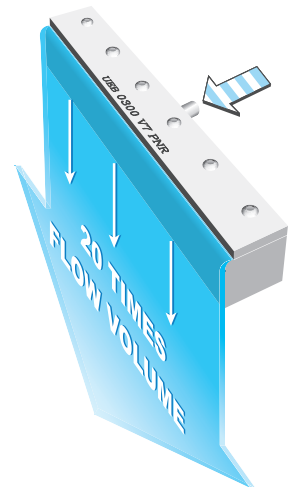
Code	RF inch	Air capacity (Nm <sup>3</sup> /min)										Dimensions						W kg	
		AI	AO	AI	AO	AI	AO	AI	AO	AI	AO	D1 mm	D2 mm	D3 mm	D4 mm	H1 mm	H2 mm		L mm
<b>UEB 0150 xx yy</b>	1/4"	0.26	4.70	0.34	6.00	0.42	7.10	0.51	8.60	0.60	10.6	20.0	110	75	-	8	12.5	150	0.3
<b>UEB 0300 xx yy</b>		0.52	9.40	0.68	12.0	0.84	14.2	1.02	17.2	1.20	21.2	22.5	85	150	-			300	0.7
<b>UEB 0450 xx yy</b>		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
<b>UEB 0600 xx yy</b>		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



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.



**HOW TO MAKE UP THE NOZZLE CODE**  
EX.: UEB 0150 V7SG

**UEB 0150 xx yy**

- NOZZLE TYPE**
  - 0150 - 150 mm
  - 0300 - 300 mm
  - 0450 - 450 mm
  - 0600 - 600 mm
- LENGTH**
- MATERIAL**
  - V7 - Aluminium, electroless nickel plated
  - B3 - AISI 316 Stainless steel
- THREAD CODES** ● SG - BSP ● SN - NPT