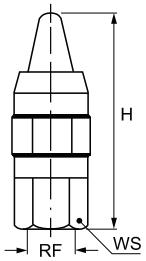
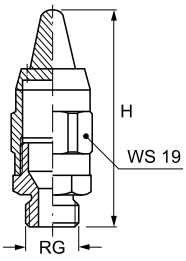
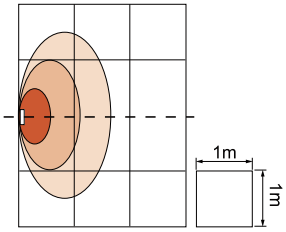
UEA D020 (FULL CONE NOZZLES)

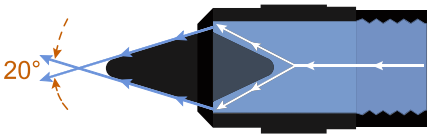






Noise level diagram at **2 bar** air pressure.

68 dB
72 dB
75 dB



These air blowers meet the requirements of American OSHA regulations

AIR BLOW-OFF NOZZLES · ROUND JET

UEA D020 compressed air blowing nozzles produce a powerful air jet concentrated on a well defined impact point. They are specially designed for deep and blind holes drying, produce lower noise and reduce pressure loss.

- Thread size: 1/4"
- Thread specification: BSP, NPT
- Material: **V7** Aluminium, electroless nickel plated; **B31** AISI 316L Stainless steel
- Typical applications: Water removal from surfaces; Flocks and water blow off

Code	RF inch	Air capacity (Nm³/hour) at different pressure values (bar) 2.0	3.0	4.0	5.0	6.0	H mm	WS mm
UEA D020 xx yy	1/4"	15	20	25	31	35	55	17

HOW TO MAKE UP THE NOZZLE CODE EX.: UEA D020 B31SG

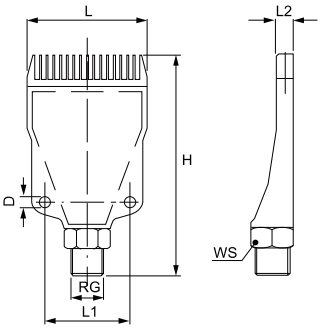
UEA D020 (NOZZLE TYPE) **B3** (MATERIAL) **yy** (THREAD CODES)

THREAD CODES: • **SG** - BSP (Female) • **MG** - BSP (Male) • **SN** - NPT (Female) • **MN** - NPT (Male)

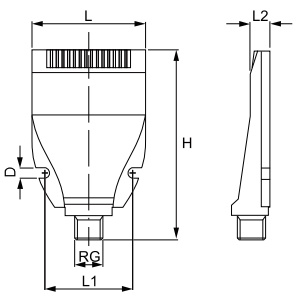
MATERIAL:
- **B31** - AISI 316L Stainless steel — **LT**: 400°C **LP**: 15 bar
- **V7** - Aluminium, electroless nickel plated — **LT**: 95°C **LP**: 15 bar

UEA 0525 / 0527 (AIR BLOWERS - FLAT FAN)

UEA 0525 E31



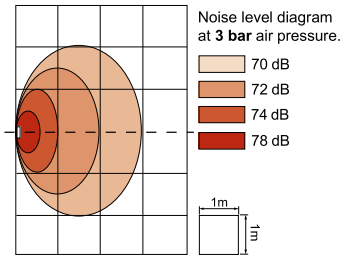
UEA 0527 V7



AIR BLOWERS - FLAT FAN

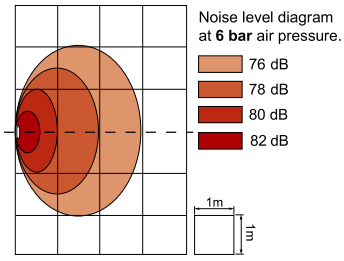
UEA series compressed air blowers are the best choice for operating environments requiring strong impact laminar sprays. The compressed air flow is blown through 16 orifices producing a strong impact jet, limited noise level and uniform spray. They are suitable to be installed on moving conveyors.

- Thread size: 1/4"
- Thread specification: BSPT, NPT
- Material: **E31** Polyacetalic resin (POM); **V7** Aluminium, electroless nickel plated
- Typical applications: Water removal from surfaces; Flocks and water blow off



Noise level diagram at **3 bar** air pressure.

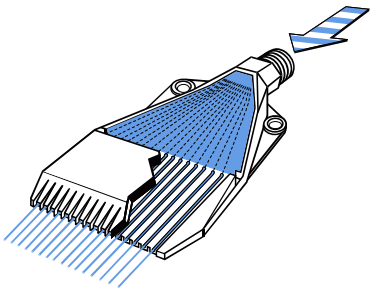
70 dB
72 dB
74 dB
78 dB



Noise level diagram at **6 bar** air pressure.

76 dB
78 dB
80 dB
82 dB

Code	RG inch	Air capacity (Nm³/hour) at different pressure values (bar) 1.0	2.0	3.0	4.0	5.0	H mm	L mm	L1 mm	L2 mm	D mm	WS mm
UEA 0525 E31 yy	1/4"	10	17	22	28	33	90.0	47	25	6.5	5.0	16
UEA 0527 V7 yy		10	17	22	28	33	86.5	51	41	6.5	5.1	17



These air blowers meet the requirements of American OSHA regulations

HOW TO MAKE UP THE NOZZLE CODE EX.: UEA 0525 E31SG

UEA 0525 (NOZZLE TYPE) **E31** (MATERIAL) **yy** (THREAD CODES)

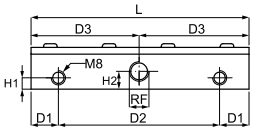
THREAD CODES: • **SG** - BSP • **SN** - NPT

MATERIAL:
- **E31** - Polyacetalic resin (POM) — **LT**: 80°C **LP**: 5 bar
- **V7** - Aluminium, electroless nickel plated — **LT**: 150°C **LP**: 15 bar

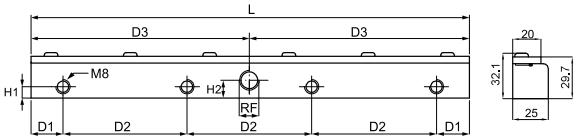
HIGH EFFICIENCY AIR KNIVES

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.

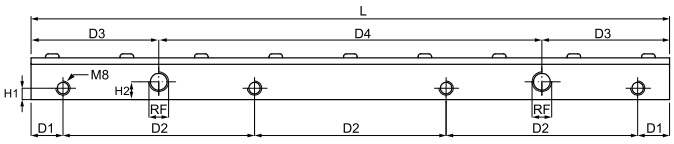
- Length: 150 mm, 300 mm, 450 mm, 600 mm
- Typical applications: Water removal from surfaces
  Flocks and water blow off
  Water removal before stick and print
- Max working temperature **LT** 95°C
- Max working pressure **LP** 7 bar
- Thread specification BSP, NPT
- Thread size 1/4"
- Materials Body **V7** Aluminium,electroless nickel plated
  B3 AISI 316 Stainless steel
  Upper plate **A9** Nickel plated steel
  B3 AISI 316 Stainless steel



UEB 0150



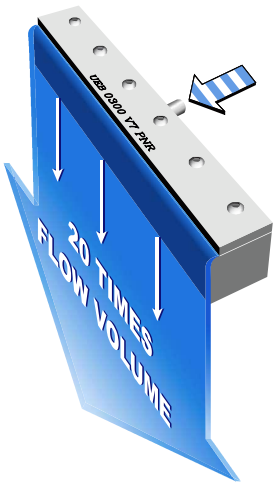
UEB 0300



UEB 0450 / UEB 0600

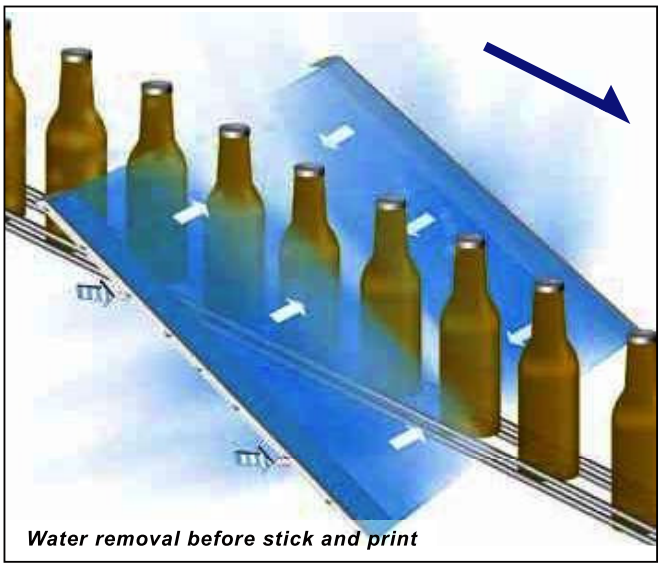
Code	RF	Air capacity (Nm³/min)										Dimensions							W
	inch	AI	AO	AI	AO	AI	AO	AI	AO	AI	AO	D1 mm	D2 mm	D3 mm	D4 mm	H1 mm	H2 mm	L mm	kg
UEB 0150 xx yy	1/4"	0.26	4.70	0.34	6.00	0.42	7.10	0.51	8.60	0.60	10.6	20.0	110	75	-	8	12.5	150	0.3
UEB 0300 xx yy		0.52	9.40	0.68	12.0	0.84	14.2	1.02	17.2	1.20	21.2	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).

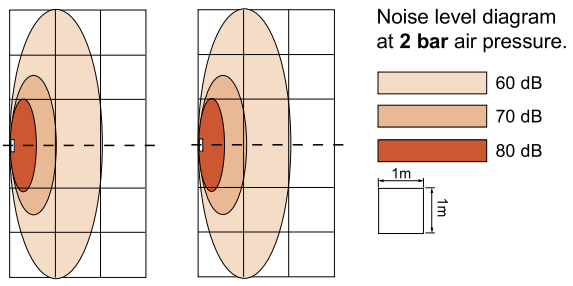


SAVE ENERGY AND INCREASE THE AMOUNT OF WIND

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.



Water removal before stick and print



UEB 0150 **UEB 0300**

HOW TO MAKE UP THE **NOZZLE CODE**

EX.: UEB 0150 V7SG

UEB 0150 xx yy

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