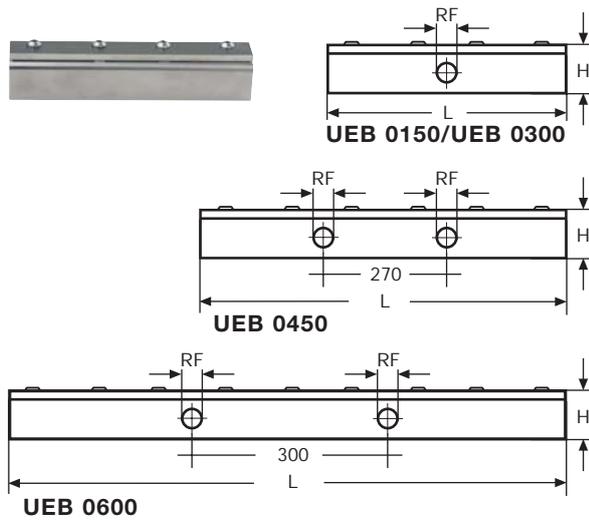


COMPLEMENTARY PRODUCTS

UEB



AIR BLOWING NOZZLES

UEB blowers produce a laminar jet of compressed air, with high efficiency and limited noise level. Their unique design provides an air stream exiting from a protected position, and changing direction because of adhesion to a radiused profile due to the Coanda effect. Their design allows for remarkable advantages:

- The exit orifice is not exposed to the risk of being damaged by impact.
- The bar can be built on any desired length, up to 600 mm.

Materials

Body	V7	Electroless nickel plated aluminum
Upper Plate	A9	Nickel plated steel
		LT 95° C - LP 7 bar

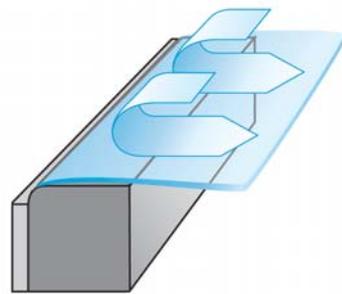
The table shows air capacity as a function of air pressure, while the graphs below show the noise level as a function of the front and side distances from the nozzle, while operated at an air pressure of 2 bar.

Since the air 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).

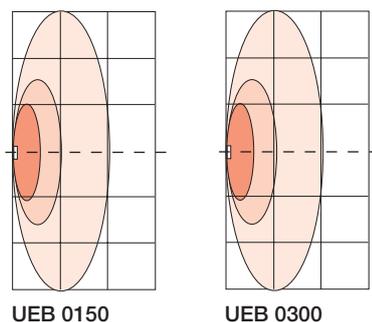
Code	RF inch	Air capacity										H mm	L mm	W kg
		Ncm/min		Ncm/min		Ncm/min		Ncm/min		Ncm/min				
		AI	AO	AI	AO	AI	AO	AI	AO	AI	AO			
UEB 0150 V7xx	1/4	0,26	4,70	0,34	6,00	0,42	7,10	0,51	8,60	0,60	10,6	30	150	0,3
UEB 0300 V7xx		0,52	9,40	0,68	12,0	0,84	14,2	1,02	17,2	1,20	21,2		300	0,7
UEB 0450 V7xx		0,78	14,1	1,03	18,0	12,6	21,3	1,53	25,8	1,80	31,8		450	0,9
UEB 0600 V7xx		1,03	18,7	1,40	24,0	1,68	28,4	2,04	34,4	2,40	42,4		600	1,4

Pressure (bar) — **2,0** — **3,0** — **4,0** — **5,0** — **6,0**

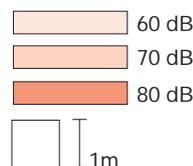
xx = Thread Codes
SG = BSP
SN = NPT



The air blade exiting through the side slot follows the radiused profile and leaves the body with an angle of 90° from the original direction, as shown by the drawing. This remarkable feature, based on the Coanda effect, makes it possible to have the air outlet orifice in a totally protected position, which is very interesting as for instance in those cases where products oscillating on a chain conveyor can damage conventional air blowers.



Noise level diagram at 2 bar air pressure.



UEB 0150

UEB 0300

SAFETY NORMS

Safety norms determine the maximum sound level to which employees can be exposed in their working place. The noise level diagrams supplied show the noise level measured for one blower as a function of the distance from the blower itself. UEB series blowers meet OSHA noise requirements. Should your system consist of more than one blower, we recommend that the resulting noise level is checked for compliance with the requirement of the health and safety regulations where applicable.