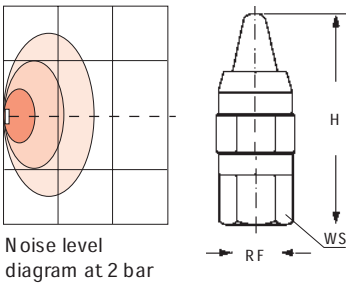
COMPLEMENTARY PRODUCTS

AIR BLOWING NOZZLES

UEA D020

These air blowers are designed to direct a powerful air stream over a well defined area. Their carefully studied profile obtains a laminar pattern of air with very low turbulence, entraining the surrounding ambient air to increase the local impact of the air stream. Because of the low turbulence, loss of energy and sound wave emissions are kept very low. The blower is made out of lightweight electroless nickel plated aluminum or 316L Stainless steel. The table shows the air capacities as a function of the air pressure, while the graph gives the noise level as a function of the front and side distances from the nozzle for an air pressure value of 2 bar.

Noise level diagram at 2 bar air pressure.



68 dB
72 dB
75 dB
1m

These air blowers meet the requirements of American OSHA regulations

Materials

Body

V7 Aluminum, electroless nickel plated
LT 95° C - **LP** 15 bar

B31 AISI 316 L Stainless steel
LT 110° C - **LP** 15 bar

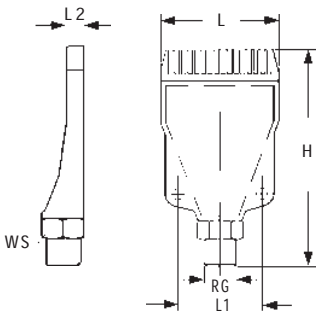
Code	RF inch	Air capacity Ncm/h					H mm	WS mm
UEA D020 B31xx	1/4	15	20	25	31	35	55	17
UEA D020 V7xx		15	20	25	31	35	55	17

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

xx = Thread Codes
SG = BSP **SN** = NPT

UEA L022

These air blowers have been designed for applications where a flat blade-shaped air stream, with specifically high impact is offered which for example cover a given width on a moving conveyor. Here again the outside profile obtains a strong entrainment action over the surrounding atmosphere, generating a high impact laminar air blade, and avoiding the highly turbulent conditions of a free air jet with consequent loss of energy and high noise.



Materials

E31 Polyacetalic resin (POM)
LT 80° C - **LP** 5 bar

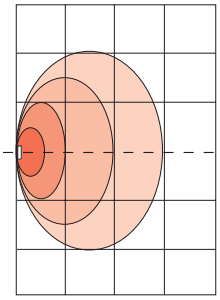
V7 Aluminum, electroless nickel plated
LT 95° C - **LP** 15 bar

Code	RG inch	Air capacity Ncm/h					H mm	L mm	L1 mm	L2 mm	WS mm
UEA L022 E31xx	1/4	10	17	22	28	33	90	48	35	6,5	16
UEA L022 V7xx		10	17	22	28	33	90	48	35	6,5	16

Pressure (bar) 1,0 2,0 3,0 4,0 5,0

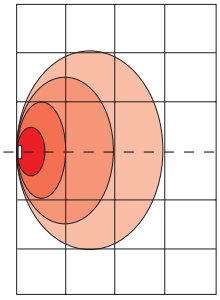
These air blowers meet the requirements of American OSHA regulations

xx = Thread Codes
SG = BSP **SN** = NPT



Noise level diagram at 3 bar air pressure.

70 dB
72 dB
74 dB
78 dB
1m



Noise level diagram at 6 bar air pressure.

76 dB
78 dB
80 dB
82 dB
1m