

Air nozzles

Air driven

ECOMIZER

extraction, drying and cooling

Features

- Temperature -22°C till +180°C
- Output can be adjust easily
- Easy to handle
- virtually maintenance-free
- Suitable for problematical medium
- No moving parts
- Very robust
- Low investment
- no electrical power necessary
- Solvent resistant



Application

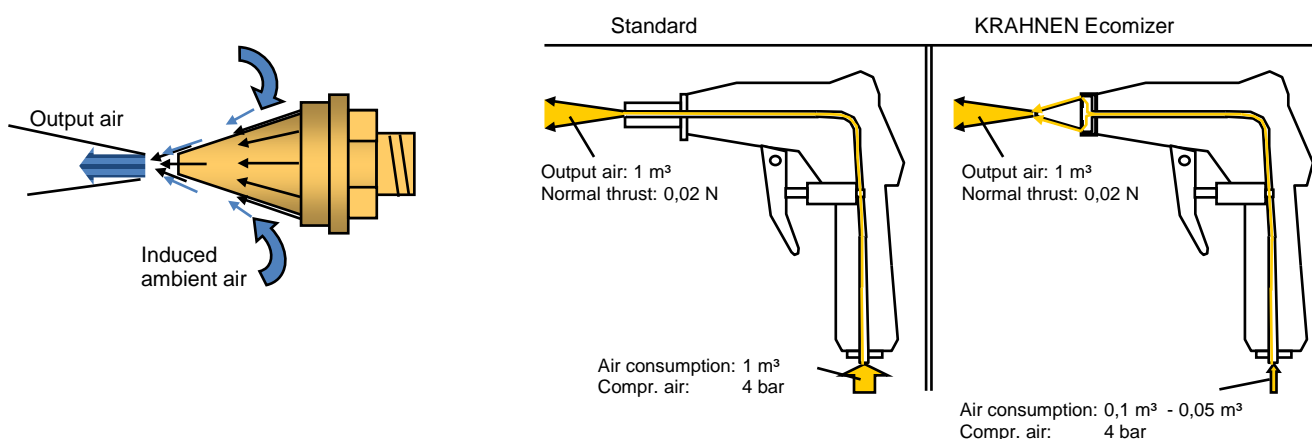
Ecomizer combine economic air usage along with noise reduction offering outputs up to 28-times compressed air input. By diffusing a single, direct compressed air jet they also have significant safety value by preventing embolism. Key uses are for cooling, blowing, drying and, by utilising high thrust, ejecting parts from press tools. . For accurate, stable positioning the Rigiflex hose accessory is recommended.

Principle of operation

Ecomizer have a total effective air output of up to 25 times the compressed air input and the STANDARD nozzle can replace the nozzle normally used on many blowguns to produce greater thrust with increased safety.

Instead of a single hole at the nozzle tip which could permit a high pressure air jet to impinge directly onto the operators' skin, a series of annular orifices at the base of the nozzle induce an additional flow of ambient air at relatively low pressure to provide high total thrust with increased safety. The flow of air through a series of annular orifices reduces the possibility of metallic chips rebounding back towards the operator.

The high thrust relative to their size make them ideal for Cooling, Ejecting Parts from tooling, Drying and Blowing. They consume less air than an ordinary nozzle with reduced noise levels. With input pressure in the region of 6 bar gauge typical noise levels with Ecomizer nozzles are well below 80 dBA.



Technical specifications

ECOMIZER Typ	Material	Consumpt. m ³ /h *	Output m ³ /h *	Normal thrust N	Dimension DxDL (mm)	Noise level	Air Hose connect.	Part.-No.
ECOMIZER 17	aluminium	0,54	9,85	4,5	22 x 46	73 dB	G 1/8" A	2000590
ECOMIZER 17 SO	aluminium	0,54	9,85	4,5	22 x 46	73 dB	M 12x1,25	2004738
ECOMIZER 7	brass	0,12	1,89	0,9	10 x 28	68 dB	M 5	2001643
ECOMIZER 7 mK	brass	0,12	1,89	0,9	10 x 180	68 dB	D = 6 mm	2005047

*by using 4 bar compressed air (free inside and outside air flow)