



Suction conveying nozzle

Air driven

ECOJET

CE EX II 2 GD c IIC (T6) RL 94/9/EG



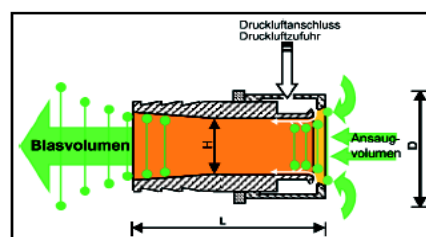
ECOJET nozzle for suction, extraction, drying and cooling

Features / Vantages

- Suitable for the insert in the ex-zones 1/2/21/22 (0/20)
- Temperature -22°C till +180°C
- Output can be adjust easily
- Easy to handle
- Hohe Leistungsfähigkeit bei geringem Luftverbrauch
- virtually maintenance-free
- Suitable for problematical medium
- No moving parts
- Very robust
- Low investment
- no electrical power necessary
- Solvent resistant



ECOJET EJ-DT



Principle of operation

Application

The nozzle is a vacuum conveying ECOJET wings and jet engine nozzle with no loose moving parts and therefore virtually maintenance free. Ideal for use in the automotive, chemical, pharmaceutical, petrochemical, paint and food industry goes, the ECOJET range of inflation and deflation of sucking, freezing, drying, transporting and pumping up for spraying and misting. Interpreted the Saugförderdüse, which is characterized by its light weight and easy connection and installation possibilities, primarily for the loading and venting of tanks, reservoirs and pipelines in which problematic media are transported. Even sticky and gummy products can be transported over long distances when using the appropriate pipes and hoses. The adjustment of flow volume and velocity is continuously variable and allows the precise design of the application. Ideally, the nozzles are also suitable as a selection aid for setting up and aspiration of liquids, dusts, granules, smaller chemical-pharmaceutical, and medical and food products.

Function principle

Is connected to the nozzle to the ECOJET factory air supply. The supplied compressed air is led into the ring after the two-chamber components. Through a narrow gap, the air escapes at high speed. The special, patented bevel effect at the gap edges that the compressed air supplied only on the inner surface of the component along streams. The generated air flow is moving at high speed to the exit of the nozzle and forces the air mass of the entire cross-section with him. The so generated is blowing or suction volume in which up to 25 times the amount of air supplied. The rules of the continuous supply of compressed air allows an accurate metering of blowing and suction volume.

Material

• Aluminium • Stainless steel (1.4301) • PTFE • PTFE –electr. conductive-

Technical specifications

Model	consump.* m³/h	outflow* m³/h	inner Ø mm	length mm	weight kg	air hose connect.	hose connect.	Part-No. Aluminium	Part-No. VA-EX
EJ 12	10,2	340	12	62,5	0,1	1/8"	3/4"	1500402	2001529
EJ 20	11,0	408	20	70	0,1	1/8"	1 1/4"	1500403	2001530
EJ 25	28,0	680	25	85	0,22	1/4"	1 1/2"	1500404	2001531
EJ 40	30,6	849	40	90	0,28	1/4"	2"	1500405	2001532
EJ 50	57,7	1240	50	136	0,89	3/8"	3"	1500406	2001533
EJ DT 12	10,2	312	12	85,5	0,1	1/8"	2 x 3/4"	1500431	2001602
EJ DT 20	17,0	375	20	99	0,14	1/8"	2 x 1 1/4"	1500432	2001603
EJ DT 25	28,0	650	25	114	0,25	1/4"	2 x 1 1/2"	1500433	2001604
EJ DT 40	30,6	790	40	123	0,31	1/4"	2 x 2"	1500434	2001605
EJ DT 50	57,7	1120	50	207	0,95	3/8"	2 x 3"	1500435	2001606

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

- 1 bar	appr. -19%	appr. -15%
+ 1 bar	appr. +23%	appr. +22%