ALBUZ TEC®

INDUSTRIAL NOZZLES FOR LOW AND MEDIUM PRESSURES

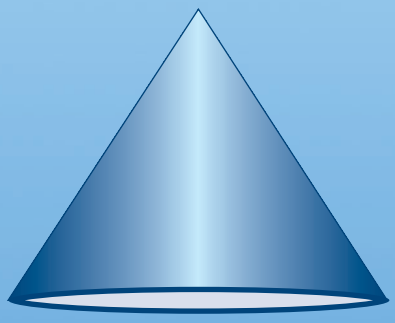
Ceramic is an exceptional material :

The pink nozzle inserts of the ALBUZ TEC range are made of an advanced ceramic, a material almost as wear resistant as diamond. The properties of the ceramic material are the keys to successful industrial applications :

- High strength
- Corrosion resistance
- High hardness
- Resistance to high temperatures
- Exceptional wear resistance.
- Ultra smooth surfaces.

General characteristics :

• ALBUZ TEC ceramic inserts (excellent precision, high wear resistance)
• Flat fan jet angles from 0° to 110° at 3 bar
• Maximum temperature : 125°c (276° F)
• Two body models : Stainless steel AISI 304 L and plastic PP
• Maximum pressure : 20 bar (500PSI) PP and 100 bar (1440 PSI) Stainless steel.



0° à 110°

Wear resistance :

• Nozzle wear generally depends on three parameters :
  - the pressure (the higher pressure, the higher wear)
  - the abrasiveness of the fluid (the more solids the higher the wear)
  - The corrosive nature of the fluid.
• After hours of use with abrasive, corrosive or high pressure fluids, traditional nozzles will deteriorate the internal hole, enlarging the diameter, increasing the flow rate changing the spray configuration and modifying the droplet size and distribution. Thanks to the exceptional material characteristics of the ALBUZ TEC ceramic material, the nozzle range proves it's cost effectiveness through longer life and better performances.

WEAR TEST

NEW NOZZLE

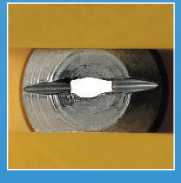
Céramic

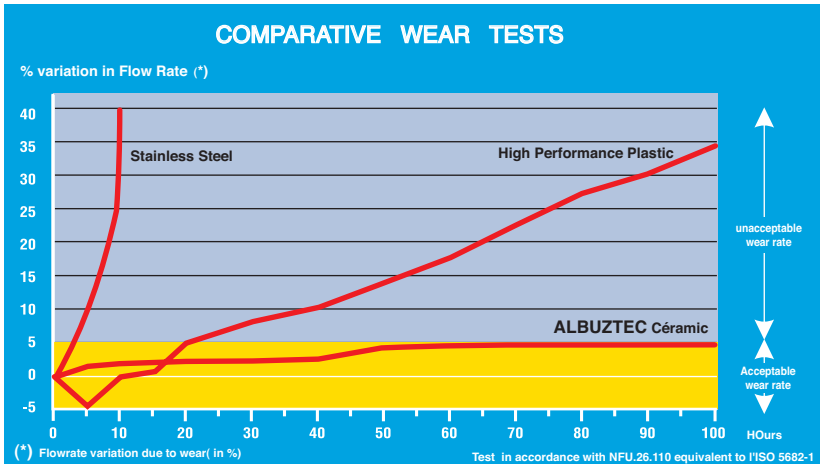
Stainless steel

NOZZLE AFTER 50 h TEST

Céramic

Stainless steel





Flow rate chart

Flow rate reference	bar												Liters / mn
	3 bar	10 bar	20 bar	30 bar	40 bar	50 bar	60 bar	70 bar	80 bar	90 bar	100 bar	110 bar	120 bar
015	0,6	1,09	1,54	1,88	2,17	2,42	2,65	2,9	3,06	3,24	3,42	3,58	3,74
02	0,8	1,45	2,05	2,51	2,89	3,23	3,54	3,8	4,08	4,32	4,55	4,77	4,99
03	1,2	2,18	3,07	3,76	4,34	4,84	5,30	5,72	6,12	6,48	6,83	7,16	7,48
04	1,6	2,91	4,10	5,01	5,78	6,46	7,07	7,63	8,15	8,65	9,11	9,55	9,97
05	2,0	3,63	5,12	6,27	7,23	8,07	8,84	9,54	10,2	10,8	11,4	11,9	12,5
06	2,4	4,36	6,15	7,52	8,67	9,69	10,6	11,4	12,2	13,0	13,7	14,3	15,0
07	2,8	5,09	7,2	8,77	10,1	11,3	12,4	13,4	14,3	15,1	15,9	16,7	17,4
08	3,2	5,81	8,2	10,0	11,6	12,9	14,1	15,3	16,3	17,3	18,2	19,1	19,9
09	3,6	6,54	9,22	11,3	13,0	14,5	15,9	17,2	18,3	19,5	20,50	21,5	22,4
10	4,0	7,27	10,2	12,5	14,5	16,1	17,7	19,1	20,4	21,6	22,80	23,9	24,9

Product range

Flow rate reference	VAE-S / VAE-P / VAI-S / VAI-P								VAS 1/4 VAP 1/4							
	0° *	15°	25°	40°	65°	80°	95°	110°	0° *	15°	25°	40°	65°	80°	95°	110°
015	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
02	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
03	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
04	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
05	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
06	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
07				✔	✔	✔	✔	✔				✔	✔	✔	✔	✔
08				✔	✔	✔	✔	✔				✔	✔	✔	✔	✔
09				✔	✔	✔	✔	✔				✔	✔	✔	✔	✔
10				✔	✔	✔	✔	✔				✔	✔	✔	✔	✔

✔ model availability * stream jet

Specific characteristic

Two body models :	**Stainless steel AISI 304 L**	**PP**
- Europe collerette	- ref. : VAE-S	- ref. : VAE-P
- ISO collerette	- ref. : VAI-S	- ref. : VAI-P
- 1/4 NPT (M)	- ref. : VAS 1/4	- ref. : VAP 1/4

How to select your nozzle

VAS 1/4 - 40 - 04

Shape and body materiel — Angle — Flow rate reference

SAINT-GOBAIN CERAMICS

SAINT-GOBAIN SOLCERA

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DOC 01 / 053 / B - 05/2004