GREENLEAF TECHNOLOGIES

ALBUZ®

Leader in ceramic spray nozzles



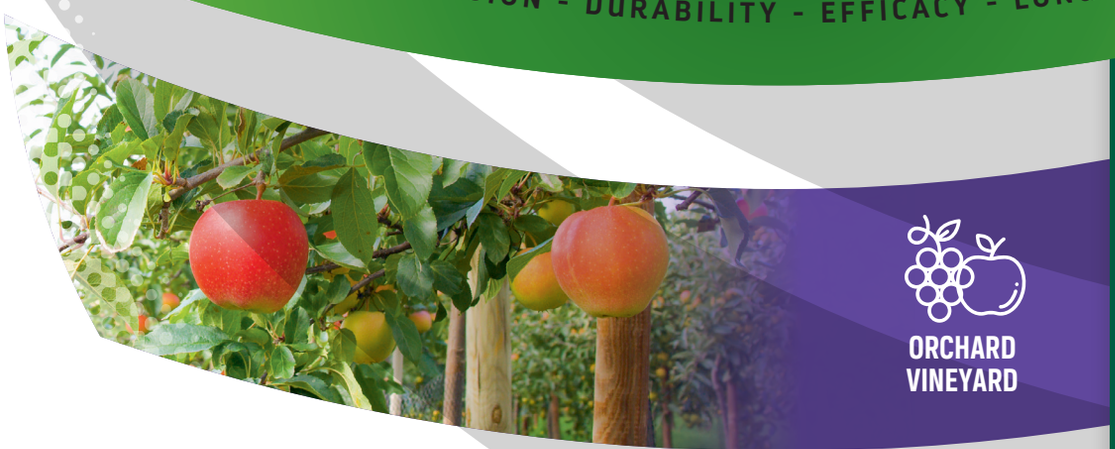
OTHER APPLICATIONS



BROADCAST APPLICATIONS

Ceramic spray nozzles

PRECISION - DURABILITY - EFFICACY - LONGEVITY



ORCHARD VINEYARD

www.greenleaftech.com







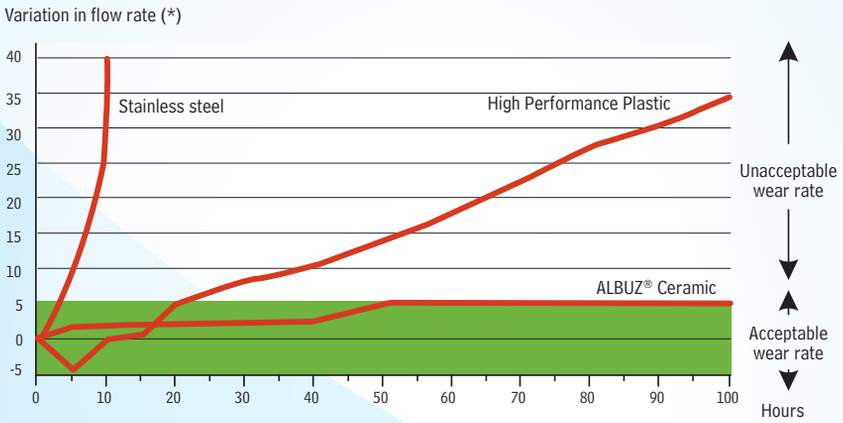




ALBUZ®



COMPARATIVE WEAR TEST



(*) Flow rate variation due to wear in % - Test in accordance with NFU.26.110 equivalent to ISO 5682-1

CERAMIC NOZZLE


Before


After 50 h

STAINLESS STEEL NOZZLE


Before


After 50 h



PRECISION WHICH LASTS

For more than 40 years we have been manufacturing and selling ceramic spraying nozzles for agricultural applications. Ceramic nozzles offer an excellent as well as an **exceptional resistance to wear, abrasion and chemicals**.

Manufacturing ceramic nozzles is a complex process. We have a long established expertise in that process and were awarded ISO 9001 : 2015 Quality Certification.

The manufacturing, from raw materials to assembly and quality control, is done in our plant in Normandy, France.

The outstanding properties of our nozzles make ALBUZ® the unrivalled leader in ceramic spray nozzles for the agriculture industry. Millions of farmers across 52 countries trust ALBUZ®. Our nozzles are made of a specific pink ceramic grade which is **as hard as diamond**. Their wear resistance is far higher than that of materials such as stainless steel, brass, or plastics.

We guarantee a high spray quality and excellent flow rate precision, which has allowed our nozzles to be certified in numerous countries.

The correct use of our nozzles will enable you to both optimise your operation, and reduce the cost of your agrochemical treatments.

SUMMARY



NOZZLE TECHNOLOGY

04 Droplet size, spray quality
05 Classification of droplet sizes
Droplet size sprayed by nozzles according to the spraying pressure

BROADCAST APPLICATION

06 AXI 80°-110° extended range flat fan nozzle
07 AXI-TWIN 120° twin fan nozzle
08 CVI 110° low pressure air induction flat fan nozzle
09 CVI-TWIN low pressure air induction Twin flat fan nozzle
10 AVI 110° air induction flat fan nozzle
11 AVI-TWIN air induction twin flat fan nozzle
12 FAST-CAP AVI-TWIN, FAST-CAP AVI , FAST-CAP AVI-OC
13 ADI 110° drift reduction flat fan nozzle

ORCHARD VINEYARD

14 ATR 80° hollow cone nozzle
15 ATR 60° hollow cone nozzle
16 ATF 60°/80° full cone nozzle
17 TVI 80° air Induction hollow cone nozzle
18 AVI 80° air induction flat fan nozzle
19 CVI 80° compact air induction flat fan nozzle
20 DISC & CORE ceramic hollow-cone nozzle
21 AMT metering disc

OTHER

22 ESI 6 stream fertilizer nozzle
23 FESI 6 stream compact cap fertilizer nozzle
24 AVI-OC air induction off center nozzle
25 CVI-OC compact air induction off center spray nozzle

MISTING

26 NAF misting nozzle low and medium pressure
27 TAM misting nozzle full cone 1/8

VARIOUS COMPONENTS

28 Water sensitive paper, misting accessories

TECHNICAL INFORMATION

29 Sprayer calibration, conversion factors
30 Liquid fertilizers, Nozzle cross-reference chart

ALBUZTEC

31 High pressure cleaning nozzles

ALBUZ

Nozzle technology catalog 2020

SPRAY QUALITY

The objective of an agrochemical treatment is to reach a biological efficacy to satisfy the needs of the farmers.
Several factors are key to the result of each application:

- **The product used, and its performance;**
- **Criteria influencing the application timing:**
  - › growth stage,
  - › pesticides,
  - › diseases,
  - › general status of pesticide, disease, and weed activity,
  - › climate,
  - › spray quality.

The quality of the spraying application is the top priority of the engineering know-how and expertise of ALBUZ®. The nozzle is a key to the performance of the sprayer. It also influences the biological efficacy of the sprayed product.

Nozzles are characterized by:
› Flow;
› Angle;
› Spray distribution quality (on the boom);
› Droplet spectrum;
› Distribution on target;
› Drift classification.

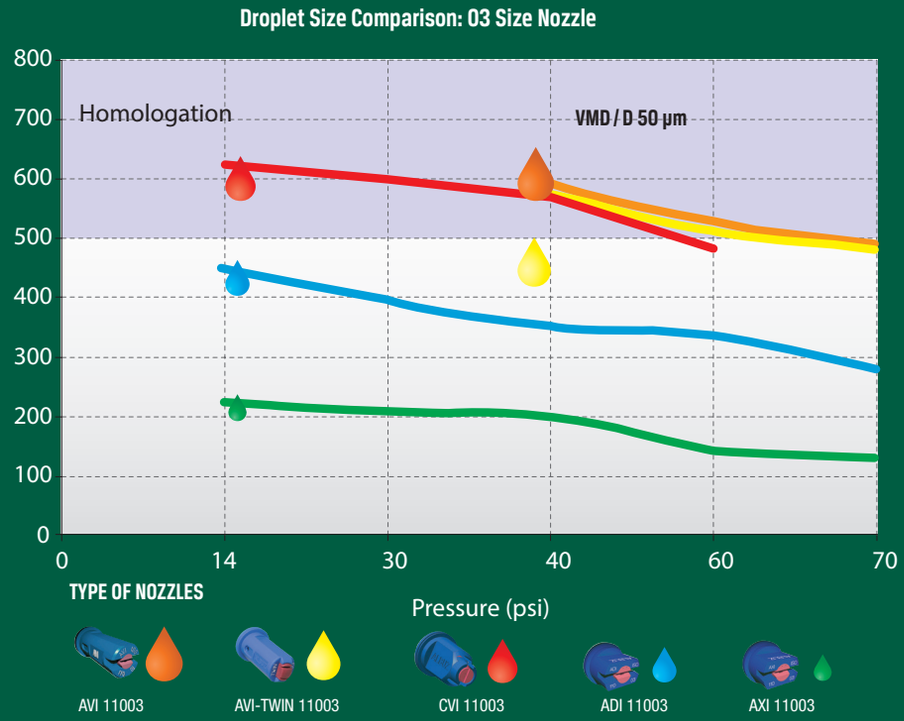
ALBUZ® takes into account all those parameters in order to offer a product range that satisfies all the needs of the farming industry. ALBUZ® complies with all environmental regulations. We also anticipate future spraying innovations, by constant investment in R&D.

DROPLET SIZE

The «spray quality» of a nozzle is expressed in terms of its average droplet size in relation to the volume sprayed (VMD). This gives an indication of the risk of drift and of the nozzle to select for a particular application.

Examples:

- For post emergence contact fungicides, an AXI nozzle will be selected because of its VMD of 150 µm and its large number of droplets.
- For an anti-drift nozzle, the AVI or CVI, with a VMD of 450 µm might be chosen as these large droplets reduce the risk of drift.





CLASSIFICATION OF DROPLET SIZES

The nozzle «spray quality» is divided into 8 categories, with 6 main ones:

- **Fine**: (e.g. AXI) nozzles which produce fine droplets are more often recommended for post-emergence treatments where excellent coverage is necessary.
- **Medium**: (e.g. ADI) nozzles which produce medium droplets are less prone to produce drift, depending on the pressure used.
- **Coarse**: (e.g. AVI/CVI) nozzles which produce big droplets provide a low risk of drift.
- **Very Coarse**: (e.g. AVI) specific nozzles which produce very big droplets.
- **Extremely Coarse**: (e.g. AVI) very low drift, for products like 2,4-D.
- **Ultra Coarse**: : (e.g. AVI-UC) primarily for new dicamba formulations.

DROPLET SIZE SPRAYED BY NOZZLES ACCORDING TO THE SPRAYING PRESSURE

psi	ATR 80°										
	WHITE	LILAC	BROWN	YELLOW	ORANGE	RED	GREY	GREEN	BLACK	BLUE	PURPLE
70	F	F	F	F	F	F	F	F	M	M	M
100	F	F	F	F	F	F	F	F	F	F	F
150	VF	F	F	F	F	F	F	F	F	F	F
220	VF	F	F	F	F	F	F	F	F	F	F

psi	ATR 60°								
	LILAC	BROWN	YELLOW	ORANGE	RED	GREY	GREEN	BLACK	BLUE
70	F	F	F	F	F	F	F	F	F
100	F	F	F	F	F	F	F	F	F
150	VF	F	F	F	F	F	F	F	F
220	VF	VF	F	F	F	F	F	F	F

bar	ATI 80°									
	LILAC 80-0050	PINK 80-0075	ORANGE 80-01	GREEN 80-015	YELLOW 80-02	PURPLE 80-025	BLUE 80-03	BROWN RED 80-035	RED 80-04	BROWN 80-05
70	VF	VF	VF	VF	VF	F	F	F	F	F
100	VF	VF	VF	VF	VF	F	F	F	F	F
150	VF	VF	VF	VF	VF	VF	F	F	F	F
220	VF	VF	VF	VF	VF	VF	F	F	F	F

psi	ATI 60°							
	PINK 60-0075	ORANGE 60-01	GREEN 60-015	YELLOW 60-02	PURPLE 60-025	BLUE 60-03	RED 60-04	BROWN 60-05
70	VF	VF	VF	F	F	F	F	F
100	VF	VF	VF	VF	F	F	F	F
150	VF	VF	VF	VF	F	F	F	F
220	VF	VF	VF	VF	VF	VF	VF	F
300	VF	VF	VF	VF	VF	VF	VF	VF

psi	TVI 80°							
	LILAC 80-0050	PINK 80-0075	ORANGE 80-01	GREEN 80-015	YELLOW 80-02	PURPLE 80-025	BLUE 80-03	RED 80-04
70	XC	XC	XC	XC	XC	XC	UC	UC
100	XC	XC	XC	XC	XC	XC	UC	UC
150	XC	XC	XC	XC	XC	XC	XC	UC
220	C	C	VC	VC	VC	XC	XC	UC

psi	ATF 80°				
	GREEN 80-015	YELLOW 80-02	PURPLE 80-025	BLUE 80-03	RED 80-04
40	F	F	F	F	F
70	F	F	F	F	F
150	F	F	F	F	F
220	F	F	F	F	F

psi	DISC & CORE						
	AD1/AC13	AD2/AC25	AD2/AC46	AD3/AC13	AD3/AC25	AD4/AC45	AD5/AC45
70	VF	F	M	VF	F	F	F
150	VF	F	F	F	F	F	F
220	F	F	F	F	F	F	F

VF Very fine | F Fine | M Medium | C Coarse | VC Very coarse | XC Extremely coarse | UC Ultra coarse

This droplet size classification is based on the VMD of ASABE S572.1 specifications at the date of printing. Classifications are subject to change.



AXI 80°/110° Extended range flat fan nozzle

MAIN CHARACTERISTICS

- **Designed to be used over a wide range of pressures (from 15 to 60 psi).**
- Recommended for use at low pressure (around 15 psi) for low volume applications and spray drift reduction (bigger droplets).
- May be used at higher pressure (above 30 psi) to improve target coverage (finer droplets).
- Excellent for sprayers equipped with automated flow rate controllers (pressure changes do not affect the spray distribution).

SPECIFIC CHARACTERISTICS

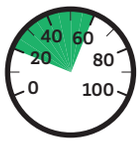
- Ceramic insert in a high resistance plastic body.
- Adapted to any brand of sprayer.
- Flow rate characteristics, body size and color code meet international ISO standards.
- Flat fan pattern, droplet size varies according to pressure.
- **Minimum boom height recommended: 20 inches (110 degrees) and 30 inches (80 degrees).**
- **Minimum pressure: 15 - 20 psi.**

AVAILABLE IN **FAST CAP** (Ref. : **FAXI**)



APPLICATIONS

All types of treatments (herbicides, fungicides, insecticides...).

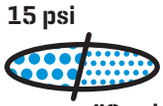


20-60 psi



80° / 110°

15 psi



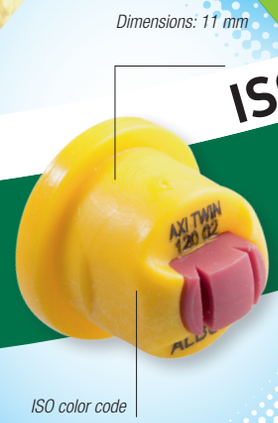
40 psi

FLOW RATE CHART

Color	ISO Code	Pressure (psi)	80°	110°	gpm	Gallons / acre - Nozzle spacing: 20 inches							
						4 mph	5 mph	6 mph	8 mph	10 mph	12 mph	16 mph	20 mph
GREEN	AXI 110015 80015	15	F	F	0.09	6.8	5.5	4.6	3.4	2.7	2.3	1.7	1.4
		20	F	F	0.11	8.2	6.5	5.4	4.1	3.3	2.7	2.0	1.6
		30	F	F	0.13	9.9	7.9	6.6	4.9	4.0	3.3	2.5	2.0
		40	F	F	0.15	11.1	8.9	7.4	5.6	4.5	3.7	2.8	2.2
		50	F	F	0.17	12.7	10.2	8.5	6.3	5.1	4.2	3.2	2.5
		60	F	F	0.18	13.4	10.7	8.9	6.7	5.3	4.5	3.3	2.7
YELLOW	AXI 11002 8002	15	F	F	0.12	8.9	7.1	5.9	4.5	3.6	3.0	2.2	1.8
		20	F	F	0.14	10.4	8.3	6.9	5.2	4.2	3.5	2.6	2.1
		30	F	F	0.17	12.6	10.1	8.4	6.3	5.0	4.2	3.2	2.5
		40	F	F	0.20	14.9	11.9	9.9	7.4	5.9	5.0	3.7	3.0
		50	F	F	0.22	16.3	13.1	10.9	8.2	6.5	5.4	4.1	3.3
		60	F	F	0.24	17.8	14.3	11.9	8.9	7.1	5.9	4.5	3.6
PURPLE	AXI 110025 80025	15	M	M	0.15	11.1	8.9	7.4	5.6	4.5	3.7	2.8	2.2
		20	M	M	0.18	13.4	10.7	8.9	6.7	5.3	4.5	3.3	2.7
		30	M	M	0.22	16.5	13.2	11.0	8.2	6.6	5.5	4.1	3.3
		40	M	M	0.25	18.6	14.9	12.4	9.3	7.4	6.2	4.6	3.7
		50	M	M	0.28	20.8	16.6	13.9	10.4	8.3	6.9	5.2	4.2
		60	F	F	0.31	23.3	18.7	15.5	11.7	9.3	7.8	5.8	4.7
BLUE	AXI 11003 8003	15	M	M	0.18	13.4	10.7	8.9	6.7	5.3	4.5	3.3	2.7
		20	M	M	0.21	15.6	12.5	10.4	7.8	6.2	5.2	3.9	3.1
		30	M	M	0.26	19.3	15.4	12.9	9.7	7.7	6.4	4.8	3.9
		40	M	M	0.30	22.3	17.8	14.9	11.1	8.9	7.4	5.6	4.5
		50	M	M	0.34	25.5	20.4	17.0	12.7	10.2	8.5	6.4	5.1
		60	F	F	0.37	27.5	22.0	18.3	13.7	11.0	9.2	6.9	5.5
RED	AXI 11004 8004	15	M	M	0.24	17.8	14.3	11.9	8.9	7.1	5.9	4.5	3.6
		20	M	M	0.28	20.8	16.6	13.9	10.4	8.3	6.9	5.2	4.2
		30	M	M	0.35	26.3	21.0	17.5	13.1	10.5	8.8	6.6	5.3
		40	M	M	0.40	29.7	23.8	19.8	14.9	11.9	9.9	7.4	5.9
		50	M	M	0.45	33.4	26.7	22.3	16.7	13.4	11.1	8.4	6.7
		60	M	M	0.49	36.4	29.1	24.3	18.2	14.6	12.1	9.1	7.3
BROWN	AXI 11005 8005	15	C	M	0.31	23.0	18.4	15.3	11.5	9.2	7.7	5.8	4.6
		20	M	M	0.35	26.0	20.8	17.3	13.0	10.4	8.7	6.5	5.2
		30	M	M	0.43	31.9	25.5	21.3	16.0	12.8	10.6	8.0	6.4
		40	M	M	0.50	37.1	29.7	24.8	18.6	14.9	12.4	9.3	7.4
		50	M	M	0.56	41.6	33.3	27.7	20.8	16.6	13.9	10.4	8.3
		60	M	M	0.61	45.3	36.2	30.2	22.6	18.1	15.1	11.3	9.1
GREY	AXI 11006 8006	15	C	C	0.37	27.5	22.0	18.3	13.7	11.0	9.2	6.9	5.5
		20	C	M	0.42	31.2	24.9	20.8	15.6	12.5	10.4	7.8	6.2
		30	C	M	0.52	38.6	30.9	25.7	19.3	15.4	12.9	9.7	7.7
		40	M	M	0.60	44.6	35.6	29.7	22.3	17.8	14.9	11.1	8.9
		50	M	M	0.67	49.7	39.8	33.2	24.9	19.9	16.6	12.4	9.9
		60	M	M	0.73	54.2	43.4	36.1	27.1	21.7	18.1	13.6	10.8
WHITE	AXI 11008 8008	15	VC	VC	0.49	36.4	29.1	24.3	18.2	14.6	12.1	9.1	7.3
		20	VC	C	0.57	42.3	33.9	28.2	21.2	16.9	14.1	10.6	8.5
		30	C	C	0.69	51.2	41.0	34.2	25.6	20.5	17.1	12.8	10.2
		40	C	C	0.80	59.4	47.5	39.6	29.7	23.8	19.8	14.9	11.9
		50	M	M	0.89	66.1	52.9	44.1	33.0	26.4	22.0	16.5	13.2
		60	M	M	0.98	72.8	58.2	48.5	36.4	29.1	24.3	18.2	14.6

Twin fan spray nozzle

AXI-TWIN 120º



SPECIFIC CHARACTERISTICS

- Ceramic insert in a high resistance plastic body.
- Adapted to any brand of sprayer.
- Flow rate characteristics, body size and color code meet international ISO standards.
- Flat fan pattern, droplet size vary according to pressure.
- **Minimum boom height recommended: 20 inches.**
- **Minimum pressure: 15 - 20 psi.**

MAIN CHARACTERISTICS

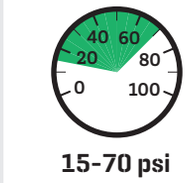
- **Improve the penetration into the vegetation or the dense foliage.**
- Fine droplets for maximum coverage.
- The nozzles produce 2 spray patterns of 120 degrees spaced 70 degrees apart, optimizing coverage.
- Excellent for contact critical applications.

FLOW RATE CHART

Color	ISO Code	Pressure (psi)	120º	gpm	Gallons / acre - Nozzle spacing: 20 inches							
					4 mph	5 mph	6 mph	8 mph	10 mph	12 mph	16 mph	20 mph
YELLOW	AXI TWIN 12002	20	M	0.14	10.4	8.3	6.9	5.2	4.2	3.5	2.6	2.1
		30	M	0.17	12.6	10.1	8.4	6.3	5.0	4.2	3.2	2.5
		40	F	0.20	14.9	11.9	9.9	7.4	5.9	5.0	3.7	3.0
		50	F	0.22	16.3	13.1	10.9	8.2	6.5	5.4	4.1	3.3
		60	F	0.24	17.8	14.3	11.9	8.9	7.1	5.9	4.5	3.6
BLUE	AXI TWIN 12003	20	M	0.21	15.6	12.5	10.4	7.8	6.2	5.2	3.9	3.1
		30	M	0.26	19.3	15.4	12.9	9.7	7.7	6.4	4.8	3.9
		40	F	0.30	22.3	17.8	14.9	11.1	8.9	7.4	5.6	4.5
		50	F	0.34	25.5	20.4	17.0	12.7	10.2	8.5	6.4	5.1
		60	F	0.37	27.5	22.0	18.3	13.7	11.0	9.2	6.9	5.5
RED	AXI TWIN 12004	20	M	0.28	20.8	16.6	13.9	10.4	8.3	6.9	5.2	4.2
		30	M	0.35	26.3	21.0	17.5	13.1	10.5	8.8	6.6	5.3
		40	M	0.40	29.7	23.8	19.8	14.9	11.9	9.9	7.4	5.9
		50	F	0.45	33.4	26.7	22.3	16.7	13.4	11.1	8.4	6.7
		60	F	0.49	36.4	29.1	24.3	18.2	14.6	12.1	9.1	7.3
BROWN	AXI TWIN 12005	20	M	0.35	26.0	20.8	17.3	13.0	10.4	8.7	6.5	5.2
		30	M	0.43	31.9	25.5	21.3	16.0	12.8	10.6	8.0	6.4
		40	M	0.50	37.1	29.7	24.8	18.6	14.9	12.4	9.3	7.4
		50	M	0.56	41.6	33.3	27.7	20.8	16.6	13.9	10.4	8.3
		60	F	0.61	45.3	36.2	30.2	22.6	18.1	15.1	11.3	9.1

APPLICATIONS

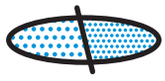
All types of treatments (herbicides, fungicides, insecticides...).

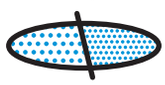


15-70 psi



15 psi





70 psi

ISO



CVI 110° Low pressure Air induction flat fan spray nozzle

MAIN CHARACTERISTICS

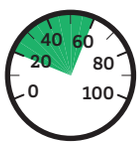
- **Designed to be used over a wide range of pressures (from 20 to 60 psi).**
- Pink ALBUZ® ceramic orifice (excellent precision and high wear resistance).
- 110 degree flat fan pattern. Overlap required to ensure uniform distribution on the target.
- Designed for all types of nozzle bodies, using the same cap as ISO nozzles (for example: AXI).

SPECIFIC CHARACTERISTICS

- Air induction nozzle (venturi system) : sprays large drops filled with air bubbles, which do not drift and burst to form finer droplets on contact with the plant.
- Almost totally eliminates drift, while increasing the number of impacts (excellent coverage of the treated zone).
- Anti-clogging design and double air-intake orifice.
- Compact design (0.86 inch length) adapted to all booms and nozzle bodies.
- **Minimum height boom recommended: 20 inches.**
- **Minimum pressure : 20 psi.**

APPLICATIONS

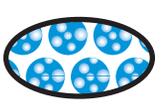
All types of treatments (systemic and contact products) including liquid fertilizers.



20-60 psi



110°



FLOW RATE CHART

Color	ISO code	#	Pressure (psi)		gpm	Gallons / acre - nozzle spacing: 20 inches							
						4 mph	5 mph	6 mph	8 mph	10 mph	12 mph	16 mph	20 mph
GREEN	CVI 110015	100 Mesh	20	XC	0.11	8 .2	6.5	5.4	4.1	3.3	2.7	2.0	1.6
			30	XC	0.13	9.9	7.9	6.6	4.9	4.0	3.3	2.5	2.0
			40	VC	0.15	11.1	8.9	7.4	5.6	4.5	3.7	2.8	2.2
			50	VC	0.17	12.7	10.2	8.5	6.3	5.1	4.2	3.2	2.5
			60	VC	0.18	13.4	10.7	8.9	6.7	5.3	4.5	3.3	2.7
			75	VC	0.21	15.6	12.5	10.4	7.8	6.2	5.2	3.9	3.1
			90	C	0.23	17.1	13.7	11.4	8.5	6.8	5.7	4.3	3.4
YELLOW	CVI 11002	100 Mesh	20	XC	0.14	10.4	8.3	6.9	5.2	4.2	3.5	2.6	2.1
			30	XC	0.17	12.6	10.1	8.4	6.3	5.0	4.2	3.2	2.5
			40	XC	0.20	14.9	11.9	9.9	7.4	5.9	5.0	3.7	3.0
			50	XC	0.22	16.3	13.1	10.9	8.2	6.5	5.4	4.1	3.3
			60	VC	0.24	17.8	14.3	11.9	8.9	7.1	5.9	4.5	3.6
			75	C	0.27	20.0	16.0	13.4	10.0	8.0	6.7	5.0	4.0
			90	C	0.30	22.3	17.8	14.9	11.1	8.9	7.4	5.6	4.5
PURPLE	CVI 110025	50 Mesh	20	XC	0.18	13.4	10.7	8.9	6.7	5.3	4.5	3.3	2.7
			30	XC	0.22	16.5	13.2	11.0	8.2	6.6	5.5	4.1	3.3
			40	XC	0.25	18.6	14.9	12.4	9.3	7.4	6.2	4.6	3.7
			50	XC	0.28	20.8	16.6	13.9	10.4	8.3	6.9	5.2	4.2
			60	VC	0.31	23.3	18.7	15.5	11.7	9.3	7.8	5.8	4.7
			75	C	0.34	25.2	20.2	16.8	12.6	10.1	8.4	6.3	5.0
			90	C	0.38	28.2	22.6	18.8	14.1	11.3	9.4	7.1	5.6
BLUE	CVI 11003	50 Mesh	20	XC	0.21	15.6	12.5	10.4	7.8	6.2	5.2	3.9	3.1
			30	XC	0.26	19.3	15.4	12.9	9.7	7.7	6.4	4.8	3.9
			40	XC	0.30	22.3	17.8	14.9	11.1	8.9	7.4	5.6	4.5
			50	VC	0.34	25.5	20.4	17.0	12.7	10.2	8.5	6.4	5.1
			60	C	0.37	27.5	22.0	18.3	13.7	11.0	9.2	6.9	5.5
			75	C	0.41	30.4	24.4	20.3	15.2	12.2	10.1	7.6	6.1
			90	C	0.45	33.4	26.7	22.3	16.7	13.4	11.1	8.4	6.7
RED	CVI 11004	50 Mesh	20	XC	0.28	20.8	16.6	13.9	10.4	8.3	6.9	5.2	4.2
			30	XC	0.35	26.3	21.0	17.5	13.1	10.5	8.8	6.6	5.3
			40	XC	0.40	29.7	23.8	19.8	14.9	11.9	9.9	7.4	5.9
			50	VC	0.45	33.4	26.7	22.3	16.7	13.4	11.1	8.4	6.7
			60	C	0.49	36.4	29.1	24.3	18.2	14.6	12.1	9.1	7.3
			75	C	0.55	40.8	32.7	27.2	20.4	16.3	13.6	10.2	8.2
			90	C	0.60	44.6	35.6	29.7	22.3	17.8	14.9	11.1	8.9
BROWN	CVI 11005	50 Mesh	20	UC	0.35	26.0	20.8	17.3	13.0	10.4	8.7	6.5	5.2
			30	XC	0.43	31.9	25.5	21.3	16.0	12.8	10.6	8.0	6.4
			40	XC	0.50	37.1	29.7	24.8	18.6	14.9	12.4	9.3	7.4
			50	VC	0.56	41.6	33.3	27.7	20.8	16.6	13.9	10.4	8.3
			60	C	0.61	45.3	36.2	30.2	22.6	18.1	15.1	11.3	9.1
			75	C	0.68	50.5	40.4	33.7	25.2	20.2	16.8	12.6	10.1
			90	C	0.75	55.7	44.6	37.1	27.8	22.3	18.6	13.9	11.1

Low pressure
Air induction
Twin fan spray nozzle

CVI-TWIN



SPECIFIC CHARACTERISTICS

- The orientation of the spray patterns improves canopy penetration.
- Air induction nozzle (venturi system) : sprays large drops filled with air bubbles, which do not drift and burst to form finer droplets on contact with the plant.
- Anti-clogging design and double air-intake orifice.
- Compact design (0.86 inch length) adapted to all booms and nozzles-holders.
- **Minimum height boom recommended: 20 inches.**
- **Minimum pressure: 20 psi.**
- **Use 100 mesh filters for green (015) and yellow (02) models.**

MAIN CHARACTERISTICS

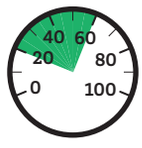
- **Designed to be used over a wide range of pressures (from 20 to 60 psi).**
- Pink ALBUZ® ceramic double-orifices (excellent precision and high wear resistance).
- 110 degree flat fan pattern. Overlap required to ensure uniform distribution on the target.
  - Designed for all types of nozzle bodies, using the same cap as ISO nozzles (for example: AXI).

FLOW RATE CHART

Color	ISO code	#	Pressure (psi)		gpm	Gallons / acre - nozzle spacing: 20 inches							
						7 mph	8 mph	9 mph	10 mph	12 mph	14 mph	18 mph	22 mph
GREEN	CVI-TWIN 110015	100 Mesh	20	XC	0.11	8.2	6.5	5.4	4.1	3.3	2.7	2.0	1.6
			30	XC	0.13	9.9	7.9	6.6	4.9	4.0	3.3	2.5	2.0
			40	VC	0.15	11.1	8.9	7.4	5.6	4.5	3.7	2.8	2.2
			50	VC	0.17	12.7	10.2	8.5	6.3	5.1	4.2	3.2	2.5
			60	C	0.18	13.4	10.7	8.9	6.7	5.3	4.5	3.3	2.7
			75	M	0.21	15.6	12.5	10.4	7.8	6.2	5.2	3.9	3.1
			90	M	0.23	17.1	13.7	11.4	8.5	6.8	5.7	4.3	3.4
YELLOW	CVI-TWIN 11002	100 Mesh	20	XC	0.14	10.4	8.3	6.9	5.2	4.2	3.5	2.6	2.1
			30	VC	0.17	12.6	10.1	8.4	6.3	5.0	4.2	3.2	2.5
			40	VC	0.20	14.9	11.9	9.9	7.4	5.9	5.0	3.7	3.0
			50	C	0.22	16.3	13.1	10.9	8.2	6.5	5.4	4.1	3.3
			60	C	0.24	17.8	14.3	11.9	8.9	7.1	5.9	4.5	3.6
			75	M	0.27	20.0	16.0	13.4	10.0	8.0	6.7	5.0	4.0
			90	M	0.30	22.3	17.8	14.9	11.1	8.9	7.4	5.6	4.5
PURPLE	CVI-TWIN 110025	50 Mesh	20	XC	0.18	13.4	10.7	8.9	6.7	5.3	4.5	3.3	2.7
			30	XC	0.22	16.5	13.2	11.0	8.2	6.6	5.5	4.1	3.3
			40	XC	0.25	18.6	14.9	12.4	9.3	7.4	6.2	4.6	3.7
			50	VC	0.28	20.8	16.6	13.9	10.4	8.3	6.9	5.2	4.2
			60	VC	0.31	23.3	18.7	15.5	11.7	9.3	7.8	5.8	4.7
			75	C	0.34	25.2	20.2	16.8	12.6	10.1	8.4	6.3	5.0
			90	C	0.38	28.2	22.6	18.8	14.1	11.3	9.4	7.1	5.6
BLUE	CVI-TWIN 11003	50 Mesh	20	XC	0.21	15.6	12.5	10.4	7.8	6.2	5.2	3.9	3.1
			30	XC	0.26	19.3	15.4	12.9	9.7	7.7	6.4	4.8	3.9
			40	VC	0.30	22.3	17.8	14.9	11.1	8.9	7.4	5.6	4.5
			50	VC	0.34	25.5	20.4	17.0	12.7	10.2	8.5	6.4	5.1
			60	C	0.37	27.5	22.0	18.3	13.7	11.0	9.2	6.9	5.5
			75	C	0.41	30.4	24.4	20.3	15.2	12.2	10.1	7.6	6.1
			90	C	0.45	33.4	26.7	22.3	16.7	13.4	11.1	8.4	6.7
RED	CVI-TWIN 11004	50 Mesh	20	XC	0.28	20.8	16.6	13.9	10.4	8.3	6.9	5.2	4.2
			30	XC	0.35	26.3	21.0	17.5	13.1	10.5	8.8	6.6	5.3
			40	VC	0.40	29.7	23.8	19.8	14.9	11.9	9.9	7.4	5.9
			50	VC	0.45	33.4	26.7	22.3	16.7	13.4	11.1	8.4	6.7
			60	C	0.49	36.4	29.1	24.3	18.2	14.6	12.1	9.1	7.3
			75	C	0.55	40.8	32.7	27.2	20.4	16.3	13.6	10.2	8.2
			90	C	0.60	44.6	35.6	29.7	22.3	17.8	14.9	11.1	8.9
BROWN	CVI-TWIN 11005	50 Mesh	20	VC	0.35	26.0	20.8	17.3	13.0	10.4	8.7	6.5	5.2
			30	VC	0.43	31.9	25.5	21.3	16.0	12.8	10.6	8.0	6.4
			40	C	0.50	37.1	29.7	24.8	18.6	14.9	12.4	9.3	7.4
			50	C	0.56	41.6	33.3	27.7	20.8	16.6	13.9	10.4	8.3
			60	C	0.61	45.3	36.2	30.2	22.6	18.1	15.1	11.3	9.1
			75	M	0.68	50.5	40.4	33.7	25.2	20.2	16.8	12.6	10.1
			90	M	0.75	55.7	44.6	37.1	27.8	22.3	18.6	13.9	11.1

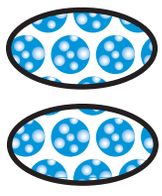
APPLICATIONS

All types of treatment (systemic and contact products) including liquid fertilizers.



20-60 psi





ISO



AVI 110° Air induction flat fan spray nozzle

MAIN CHARACTERISTICS

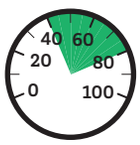
- **Designed to be used over a wide range of pressures (from 40 to 80 psi).**
- Pink ALBUZ® ceramic double orifices (excellent precision and high wear resistance).
- 110 degree flat fan pattern. Overlap required to ensure uniform distribution on the target.
- Designed for all types of nozzle bodies.

SPECIFIC CHARACTERISTICS

- Air-injected spray nozzle (venturi system) : sprays large drops charged with air bubbles ; the AVI 110° model is certified at 75% anti-drift.
- Almost totally eliminates drift, while increasing the number of impacts (excellent coverage of the treated zone).
- Anti-clogging design and double air-intake orifice.
- Compact design (1.10 inch length) adapted to all booms and nozzle holders.
- **Minimum height boom recommended: 20 inches.**
- **Minimum pressure: 40 psi.**

APPLICATIONS

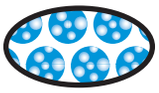
All types of treatments (systemic and contact products) including liquid fertilizers.



40-80 psi



110°



FLOW RATE CHART

Color	ISO code	#	Pressure (psi)		gpm	Gallons / acre - nozzle spacing: 20 inches								
						4 mph	5 mph	6 mph	8 mph	10 mph	12 mph	14 mph	16mph	20 mph
ORANGE	AVI 110 01	100 Mesh	40	VC	0.10	7.4	5.9	5.0	3.7	3.0	2.5	2.1	1.9	1.5
			50	VC	0.11	8.2	6.5	5.4	4.1	3.3	2.7	2.3	2.0	1.6
			60	C	0.12	8.9	7.1	5.9	4.5	3.6	3.0	2.5	2.2	1.8
			75	C	0.14	10.4	8.3	6.9	5.2	4.2	3.5	3.0	2.6	2.1
GREEN	AVI 110 015	100 Mesh	40	XC	0.15	11.1	8.9	7.4	5.6	4.5	3.7	3.2	2.8	2.2
			50	VC	0.17	12.7	10.2	8.5	6.3	5.1	4.2	3.6	3.2	2.5
			60	VC	0.18	13.4	10.7	8.9	6.7	5.3	4.5	3.8	3.3	2.7
			75	C	0.21	15.6	12.5	10.4	7.8	6.2	5.2	4.5	3.9	3.1
YELLOW	AVI 110 02	100 Mesh	40	XC	0.20	14.9	11.9	9.9	7.4	5.9	5.0	4.2	3.7	3.0
			50	XC	0.22	16.3	13.1	10.9	8.2	6.5	5.4	4.7	4.1	3.3
			60	VC	0.24	17.8	14.3	11.9	8.9	7.1	5.9	5.1	4.5	3.6
			75	VC	0.27	20.0	16.0	13.4	10.0	8.0	6.7	5.7	5.0	4.0
PURPLE	AVI 110 025	50 Mesh	40	XC	0.25	18.6	14.9	12.4	9.3	7.4	6.2	5.3	4.6	3.7
			50	XC	0.28	20.8	16.6	13.9	10.4	8.3	6.9	5.9	5.2	4.2
			60	VC	0.31	23.3	18.7	15.5	11.7	9.3	7.8	6.7	5.8	4.7
			75	VC	0.34	25.2	20.2	16.8	12.6	10.1	8.4	7.2	6.3	5.0
BLUE	AVI 110 03	50 Mesh	40	XC	0.30	22.3	17.8	14.9	11.1	8.9	7.4	6.4	5.6	4.5
			50	XC	0.34	25.5	20.4	17.0	12.7	10.2	8.5	7.3	6.4	5.1
			60	XC	0.37	27.5	22.0	18.3	13.7	11.0	9.2	7.8	6.9	5.5
			75	VC	0.41	30.4	24.4	20.3	15.2	12.2	10.1	8.7	7.6	6.1
RED	AVI 110 04	50 Mesh	40	XC	0.40	29.7	23.8	19.8	14.9	11.9	9.9	8.5	7.4	5.9
			50	XC	0.45	33.4	26.7	22.3	16.7	13.4	11.1	9.5	8.4	6.7
			60	XC	0.49	36.4	29.1	24.3	18.2	14.6	12.1	10.4	9.1	7.3
			75	VC	0.55	40.8	32.7	27.2	20.4	16.3	13.6	11.7	10.2	8.2
BROWN	AVI 110 05	50 Mesh	40	XC	0.50	37.1	29.7	24.8	18.6	14.9	12.4	10.6	9.3	7.4
			50	XC	0.56	41.6	33.3	27.7	20.8	16.6	13.9	11.9	10.4	8.3
			60	XC	0.61	45.3	36.2	30.2	22.6	18.1	15.1	12.9	11.3	9.1
			75	VC	0.68	50.5	40.4	33.7	25.2	20.2	16.8	14.4	12.6	10.1
GREY	AVI 110 06	50 Mesh	40	UC	0.60	44.6	35.6	29.7	22.3	17.8	14.9	12.7	11.1	8.9
			50	XC	0.67	49.7	39.8	33.2	24.9	19.9	16.6	14.2	12.4	9.9
			60	XC	0.73	54.2	43.4	36.1	27.1	21.7	18.1	15.5	13.6	10.8
			75	VC	0.82	60.9	48.7	40.6	30.4	24.4	20.3	17.4	15.2	12.2
WHITE	AVI 110 08	50 Mesh	40	UC	0.80	59.4	47.5	39.6	29.7	23.8	19.8	17.0	14.9	11.9
			50	UC	0.89	66.1	52.9	44.1	33.0	26.4	22.0	18.9	16.5	13.2
			60	XC	0.98	72.8	58.2	48.5	36.4	29.1	24.3	20.8	18.2	14.6
			75	VC	1.10	81.7	65.3	54.5	40.8	32.7	27.2	23.3	20.4	16.3
LIGHT BLUE	AVI 110 10	50 Mesh	40	UC	1.00	74.3	59.4	49.5	37.1	29.7	24.8	21.2	18.6	14.9
			50	UC	1.12	83.2	66.5	55.4	41.6	33.3	27.7	23.8	20.8	16.6
			60	UC	1.22	90.6	72.5	60.4	45.3	36.2	30.2	25.9	22.6	18.1
			75	XC	1.37	101.7	81.4	67.8	50.9	40.7	33.9	29.1	25.4	20.3

ALBUZ catalog 2020

Air induction Twin fan spray nozzle

AVI-TWIN



SPECIFIC CHARACTERISTICS

- The orientation of the spray patterns improves canopy penetration..
- Air induction nozzle (venturi system) : sprays large drops filled with air bubbles, which do not drift and burst to form finer droplets on contact with the plant.
- Almost totally eliminates drift, while increasing the number of impacts (excellent coverage of the treated zone).
- Anti-clogging design and double air-intake orifices.
- Compact design length (1.10 inch length) fits all booms and nozzle holders.
- **Minimum height boom recommended: 20 inches.**
- **Minimum pressure: 40 psi**

MAIN CHARACTERISTICS

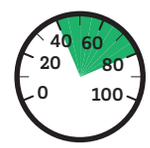
- Double-orifices pink ALBUZ® ceramic (excellent precision and high wear resistance).
- Two 110 degree flat fan patterns.
- 110 degree flat fan pattern. Overlap required to ensure uniform distribution on the target.

FLOW RATE CHART

Color	ISO code	Mesh	(psi)		gpm	Gallons / acre - nozzle spacing: 20 inches								
						4 mph	5 mph	6 mph	8 mph	10 mph	12 mph	14 mph	16 mph	20 mph
ORANGE	AVI-TWIN 11001	100 Mesh	40	XC	0.10	7.4	5.9	5.0	3.7	3.0	2.5	2.1	1.9	1.5
			50	VC	0.11	8.2	6.5	5.4	4.1	3.3	2.7	2.3	2.0	1.6
			60	VC	0.12	8.9	7.1	5.9	4.5	3.6	3.0	2.5	2.2	1.8
			75	VC	0.14	10.4	8.3	6.9	5.2	4.2	3.5	3.0	2.6	2.1
GREEN	AVI-TWIN 110015	100 Mesh	40	XC	0.15	11.1	8.9	7.4	5.6	4.5	3.7	3.2	2.8	2.2
			50	XC	0.17	12.7	10.2	8.5	6.3	5.1	4.2	3.6	3.2	2.5
			60	VC	0.18	13.4	10.7	8.9	6.7	5.3	4.5	3.8	3.3	2.7
			75	VC	0.21	15.6	12.5	10.4	7.8	6.2	5.2	4.5	3.9	3.1
YELLOW	AVI-TWIN 11002	100 Mesh	40	XC	0.20	14.9	11.9	9.9	7.4	5.9	5.0	4.2	3.7	3.0
			50	XC	0.22	16.3	13.1	10.9	8.2	6.5	5.4	4.7	4.1	3.3
			60	VC	0.24	17.8	14.3	11.9	8.9	7.1	5.9	5.1	4.5	3.6
			75	VC	0.27	20.0	16.0	13.4	10.0	8.0	6.7	5.7	5.0	4.0
PURPLE	AVI-TWIN 110025	50 Mesh	40	XC	0.25	18.6	14.9	12.4	9.3	7.4	6.2	5.3	4.6	3.7
			50	XC	0.28	20.8	16.6	13.9	10.4	8.3	6.9	5.9	5.2	4.2
			60	VC	0.31	23.3	18.7	15.5	11.7	9.3	7.8	6.7	5.8	4.7
			75	VC	0.34	25.2	20.2	16.8	12.6	10.1	8.4	7.2	6.3	5.0
BLUE	AVI-TWIN 11003	50 Mesh	40	XC	0.30	22.3	17.8	14.9	11.1	8.9	7.4	6.4	5.6	4.5
			50	XC	0.34	25.5	20.4	17.0	12.7	10.2	8.5	7.3	6.4	5.1
			60	VC	0.37	27.5	22.0	18.3	13.7	11.0	9.2	7.8	6.9	5.5
			75	VC	0.41	30.4	24.4	20.3	15.2	12.2	10.1	8.7	7.6	6.1
RED	AVI-TWIN 11004	50 Mesh	40	XC	0.40	29.7	23.8	19.8	14.9	11.9	9.9	8.5	7.4	5.9
			50	XC	0.45	33.4	26.7	22.3	16.7	13.4	11.1	9.5	8.4	6.7
			60	VC	0.49	36.4	29.1	24.3	18.2	14.6	12.1	10.4	9.1	7.3
			75	VC	0.55	40.8	32.7	27.2	20.4	16.3	13.6	11.7	10.2	8.2
BROWN	AVI-TWIN 11005	50 Mesh	40	XC	0.50	37.1	29.7	24.8	18.6	14.9	12.4	10.6	9.3	7.4
			50	XC	0.56	41.6	33.3	27.7	20.8	16.6	13.9	11.9	10.4	8.3
			60	VC	0.61	45.3	36.2	30.2	22.6	18.1	15.1	12.9	11.3	9.1
			75	VC	0.68	50.5	40.4	33.7	25.2	20.2	16.8	14.4	12.6	10.1
GREY	AVI-TWIN 11006	50 Mesh	40	XC	0.60	44.6	35.6	29.7	22.3	17.8	14.9	12.7	11.1	8.9
			50	XC	0.67	49.7	39.8	33.2	24.9	19.9	16.6	14.2	12.4	9.9
			60	XC	0.73	54.2	43.4	36.1	27.1	21.7	18.1	15.5	13.6	10.8
			75	VC	0.82	60.9	48.7	40.6	30.4	24.4	20.3	17.4	15.2	12.2
			90	VC	0.90	66.8	53.5	44.6	33.4	26.7	22.3	19.1	16.7	13.4

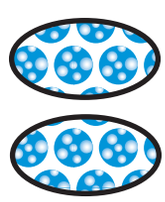
APPLICATIONS

All types of treatment (systemic and contact products). Designed to be used over a wide range of pressures (from 40 to 80 psi).



40-80 psi





AVI-UC 110° Air induction flat fan spray nozzle with ultra coarse droplet



NEW

	ISO code	#	psi		gpm	Gallons / acre - nozzle spacing: 20 inches								
						4 mph	5 mph	6 mph	8 mph	10 mph	12 mph	14 mph	16 mph	20 mph
GREEN	AVI-UC 110 015	100 Mesh	40	UC	0,15	11,1	8,9	7,4	5,6	4,5	3,7	3,2	2,8	2,2
			50	UC	0,17	12,7	10,2	8,5	6,3	5,1	4,2	3,6	3,2	2,5
			60	UC	0,18	13,4	10,7	8,9	6,7	5,3	4,5	3,8	3,3	2,7
			80	UC	0,21	15,7	12,6	10,5	7,9	6,3	5,2	4,5	3,9	3,1
YELLOW	AVI-UC 110 02	100 Mesh	40	UC	0,20	14,9	11,9	9,9	7,4	5,9	5,0	4,2	3,7	3,0
			50	UC	0,22	16,3	13,1	10,9	8,2	6,5	5,4	4,7	4,1	3,3
			60	UC	0,24	17,8	14,3	11,9	8,9	7,1	5,9	5,1	4,5	3,6
			80	UC	0,28	21,0	16,8	14,0	10,5	8,4	7,0	6,0	5,3	4,2
PURPLE	AVI-UC 110 025	50 Mesh	40	UC	0,25	18,6	14,9	12,4	9,3	7,4	6,2	5,3	4,6	3,7
			50	UC	0,28	20,8	16,6	13,9	10,4	8,3	6,9	5,9	5,2	4,2
			60	UC	0,31	23,3	18,7	15,5	11,7	9,3	7,8	6,7	5,8	4,7
			80	UC	0,35	26,3	21,0	17,5	13,1	10,5	8,8	7,5	6,6	5,3
BLUE	AVI-UC 110 03	50 Mesh	40	UC	0,30	22,3	17,8	14,9	11,1	8,9	7,4	6,4	5,6	4,5
			50	UC	0,34	25,5	20,4	17,0	12,7	10,2	8,5	7,3	6,4	5,1
			60	UC	0,37	27,5	22,0	18,3	13,7	11,0	9,2	7,8	6,9	5,5
			80	UC	0,42	31,5	25,2	21,0	15,7	12,6	10,5	9,0	7,9	6,3
RED	AVI-UC 110 04	50 Mesh	40	UC	0,40	29,7	23,8	19,8	14,9	11,9	9,9	8,5	7,4	5,9
			50	UC	0,45	33,4	26,7	22,3	16,7	13,4	11,1	9,5	8,4	6,7
			60	UC	0,49	36,4	29,1	24,3	18,2	14,6	12,1	10,4	9,1	7,3
			80	UC	0,566	42,0	33,6	28,0	21,0	16,8	14,0	12,0	10,5	8,4
BROWN	AVI-UC 110 05	50 Mesh	40	UC	0,50	37,1	29,7	24,8	18,6	14,9	12,4	10,6	9,3	7,4
			50	UC	0,56	41,6	33,3	27,7	20,8	16,6	13,9	11,9	10,4	8,3
			60	UC	0,61	45,3	36,2	30,2	22,6	18,1	15,1	12,9	11,3	9,1
			80	UC	0,71	52,5	42,0	35,0	26,2	21,0	17,5	15,0	13,1	10,5

SPECIFIC CHARACTERISTICS

- **Air-injected spray nozzle (venturi system) : sprays large drops charged with air bubbles.**
- Almost totally eliminates drift, while increasing the number of impacts (excellent coverage of the treated zone).
- Anti-clogging design and double air-intake orifice.
- Compact design (1.10 inch length) adapted to all booms and nozzle holders.
- **Minimum height boom recommended: 20 inches.**
- **Minimum pressure: 40 psi.**

MAIN CHARACTERISTICS

- **Designed to be used over a wide range of pressures (from 40 to 80 psi).**
- Pink ALBUZ® ceramic double orifices (excellent precision and high wear resistance).
- 110 degree flat fan pattern. Overlap required to ensure uniform distribution on the target.
- Designed for all types of nozzle bodies.

3 FAST-CAP

BROADCAST APPLICATIONS

ORCHARD VINEYARD



FAST-CAP
AVI-TWIN 110°



FAST-CAP
AVI 80°/110°



FAST-CAP
AVI-OC 80°

MAIN CHARACTERISTICS

- Automatic alignment of the spray pattern via integrated cap design.
- Made of Polyacetal for an excellent resistance to most agrochemicals.
- FAST-CAP is compatible with 3 air injected AVI nozzles: the AVI range 110 / 80 degree, AVI TWIN, AVI OC.
- See the specific characteristics of these nozzles in the other pages of this catalog.

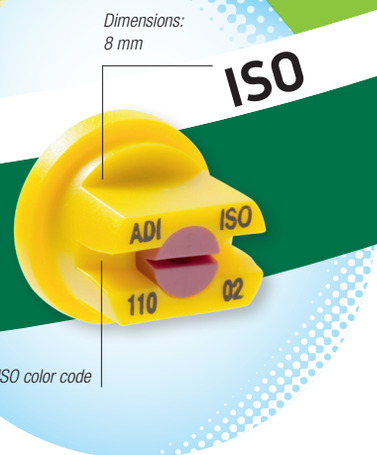
SPECIFIC CHARACTERISTICS

- Adapted to ISO color code.
- The nozzle can be removed from the FAST-CAP. for an easy and quick cleaning
- Sold with EPDM flat gasket.

APPLICATIONS

All types of treatment (systemic and contact products)

Drift reduction flat fan spray nozzle ADI 110º



SPECIFIC CHARACTERISTICS

- Flow rate characteristics, body size and color code meet international ISO standard.
- Drift reduction nozzle: reduces the number of small droplets (<100µm) by 50%.
- Easy to dismantle and clean.
- **Minimum height boom recommended: 20 inches.**
- **Minimum pressure: 30 psi.**



Easy to dismantle and clean

MAIN CHARACTERISTICS

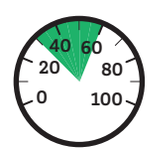
- Pink ALBUZ® ceramic orifice (excellent precision and high wear resistance).
- 110 degree flat fan pattern. Overlap required to ensure uniform distribution on the target.
- Designed for all types of nozzle bodies with ISO compatible caps.
- Drift reduction.

FLOW RATE CHART

Color	ISO CODE	#	(psi)		gpm	Gallons / acre - nozzle spacing: 20 inches								
						4 mph	5 mph	6 mph	7 mph	8 mph	10 mph	12 mph	16 mph	20 mph
ORANGE	ADI 11001	100 Mesh	30	F	0.087	6.5	5.2	4.3	3.7	3.2	2.6	2.2	1.6	1.3
			35	F	0.094	7.0	5.6	4.7	4.0	3.5	2.8	2.3	1.7	1.4
			40	F	0.10	7.4	5.9	5.0	4.2	3.7	3.0	2.5	1.9	1.5
			50	F	0.11	8.2	6.5	5.4	4.7	4.1	3.3	2.7	2.0	1.6
			60	F	0.12	8.9	7.1	5.9	5.1	4.5	3.6	3.0	2.2	1.8
GREEN	ADI 110015	100 Mesh	30	M	0.13	9.9	7.9	6.6	5.6	4.9	4.0	3.3	2.5	2.0
			35	M	0.14	10.4	8.3	6.9	5.9	5.2	4.2	3.5	2.6	2.1
			40	F	0.15	11.1	8.9	7.4	6.4	5.6	4.5	3.7	2.8	2.2
			50	F	0.17	12.7	10.2	8.5	7.3	6.3	5.1	4.2	3.2	2.5
			60	F	0.18	13.4	10.7	8.9	7.6	6.7	5.3	4.5	3.3	2.7
YELLOW	ADI 11002	100 Mesh	30	M	0.17	12.6	10.1	8.4	7.2	6.3	5.0	4.2	3.2	2.5
			35	M	0.19	14.1	11.3	9.4	8.1	7.1	5.6	4.7	3.5	2.8
			40	M	0.20	14.9	11.9	9.9	8.5	7.4	5.9	5.0	3.7	3.0
			50	F	0.22	16.3	13.1	10.9	9.3	8.2	6.5	5.4	4.1	3.3
			60	F	0.24	17.8	14.3	11.9	10.2	8.9	7.1	5.9	4.5	3.6
PURPLE	ADI 110025	50 Mesh	30	M	0.22	16.5	13.2	11.0	9.4	8.2	6.6	5.5	4.1	3.3
			35	M	0.23	17.1	13.7	11.4	9.8	8.5	6.8	5.7	4.3	3.4
			40	M	0.25	18.6	14.9	12.4	10.6	9.3	7.4	6.2	4.6	3.7
			50	F	0.28	20.8	16.6	13.9	11.9	10.4	8.3	6.9	5.2	4.2
			60	F	0.31	23.3	18.7	15.5	13.3	11.7	9.3	7.8	5.8	4.7
BLUE	ADI 11003	50 Mesh	30	M	0.26	19.3	15.4	12.9	11.0	9.7	7.7	6.4	4.8	3.9
			35	M	0.28	20.8	16.6	13.9	11.9	10.4	8.3	6.9	5.2	4.2
			40	M	0.30	22.3	17.8	14.9	12.7	11.1	8.9	7.4	5.6	4.5
			50	M	0.34	25.5	20.4	17.0	14.6	12.7	10.2	8.5	6.4	5.1
			60	F	0.37	27.5	22.0	18.3	15.7	13.7	11.0	9.2	6.9	5.5
RED	ADI 11004	50 Mesh	30	C	0.35	26.3	21.0	17.5	15.0	13.1	10.5	8.8	6.6	5.3
			35	C	0.37	27.5	22.0	18.3	15.7	13.7	11.0	9.2	6.9	5.5
			40	C	0.40	29.7	23.8	19.8	17.0	14.9	11.9	9.9	7.4	5.9
			50	M	0.45	33.4	26.7	22.3	19.1	16.7	13.4	11.1	8.4	6.7
			60	M	0.49	36.4	29.1	24.3	20.8	18.2	14.6	12.1	9.1	7.3

APPLICATIONS

All types of treatments (herbicides, fungicides, insecticides...).



30-60 dpi



110º





European Color code

ATR 80° Hollow cone nozzle

MAIN CHARACTERISTICS

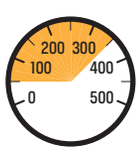
- Angle of 80 degree at 70 psi.
- Hollow cone nozzle producing fine droplets.
- ALBUZ® durable pink ceramic allows high pressure spraying while maintaining nozzle performance and precision.

SPECIFIC CHARACTERISTICS

- Easy dismantling for cleaning.
- Julius Kuhn Institute certified.
- Can be used on a sprayer boom from 40 psi.
- Precision polished ceramic surfaces of internal components ensure perfect sealing of the swirl chamber to give precise flowrate.
- **Recommended pressure for airblast sprayers: 150 - 250 psi.**
- Information about droplet size (see page 5)

APPLICATIONS

For fungicides and insecticides. Recommended for orchard and vineyards.



40-340 psi

80°

FLOW RATE CHART (gpm)

Pressure (psi)	WHITE	LILAC	BROWN	YELLOW	ORANGE	RED	GREY	GREEN	BLACK	BLUE	PURPLE
40	0.054	0.073	0.097	0.147	0.2	0.28	0.304	0.361	0.405	0.496	0.619
50	0.060	0.081	0.108	0.164	0.223	0.311	0.338	0.401	0.450	0.552	0.688
60	0.066	0.088	0.118	0.179	0.243	0.339	0.368	0.437	0.491	0.601	0.749
70	0.071	0.095	0.127	0.193	0.262	0.365	0.396	0.470	0.528	0.647	0.806
80	0.076	0.101	0.135	0.206	0.280	0.389	0.422	0.500	0.562	0.689	0.858
90	0.080	0.107	0.143	0.218	0.296	0.411	0.446	0.529	0.595	0.729	0.908
100	0.084	0.113	0.151	0.230	0.311	0.433	0.468	0.556	0.625	0.766	0.954
110	0.088	0.118	0.158	0.241	0.326	0.453	0.490	0.581	0.654	0.801	0.998
120	0.092	0.123	0.164	0.251	0.340	0.472	0.510	0.606	0.681	0.835	1.039
130	0.095	0.128	0.171	0.261	0.354	0.490	0.530	0.629	0.708	0.867	1.080
140	0.099	0.132	0.177	0.271	0.367	0.508	0.549	0.651	0.733	0.898	1.118
150	0.102	0.137	0.183	0.280	0.379	0.525	0.567	0.673	0.757	0.928	1.155
160	0.105	0.141	0.189	0.289	0.391	0.541	0.584	0.694	0.781	0.957	1.191
170	0.108	0.145	0.194	0.298	0.403	0.557	0.601	0.714	0.804	0.985	1.225
180	0.111	0.149	0.200	0.307	0.414	0.572	0.617	0.733	0.826	1.012	1.259
200	0.117	0.157	0.210	0.323	0.436	0.602	0.649	0.770	0.868	1.064	1.323
220	0.123	0.164	0.220	0.338	0.457	0.629	0.678	0.806	0.908	1.113	1.384
240	0.128	0.171	0.229	0.353	0.476	0.656	0.707	0.839	0.946	1.160	1.442
260	0.133	0.177	0.238	0.367	0.495	0.682	0.734	0.872	0.983	1.205	1.497
280	0.138	0.184	0.247	0.381	0.513	0.706	0.760	0.902	1.018	1.248	1.551
300	0.142	0.190	0.255	0.394	0.531	0.730	0.785	0.932	1.051	1.289	1.602
320	0.147	0.196	0.263	0.407	0.547	0.752	0.809	0.961	1.084	1.329	1.652
340	0.151	0.201	0.271	0.419	0.564	0.774	0.833	0.989	1.116	1.368	1.699



Hollow cone nozzle ATR 60°



European Color code

SPECIFIC CHARACTERISTICS

- Easy dismantling for cleaning.
- The angle of 60 degrees :
  - Is mostly recommended during the use of the Shielded Sprayer or Tunnel sprayer.
- Can be used on a sprayer boom starting at 40 psi.
- Precision polished ceramic surfaces of internal components ensure perfect sealing of the swirl chamber to give precise flowrate.
- **Recommended pressure for airblast sprayers: 150 - 250 psi.**
- Information about droplet size (see page 5)

MAIN CHARACTERISTICS

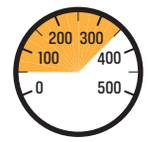
- Angle of 60 degree at 70 psi.
- Hollow cone nozzle producing fine droplets.
- The **green insert** is used to specify that the nozzles has an angle of 60 degree.
- ALBUZ® durable pink ceramic allows high pressure spraying while maintaining nozzle performance and precision.

FLOW RATE CHART (gpm/min)

Pressure (psi)	LILAC	BROWN	YELLOW	ORANGE	RED	GREY	GREEN	BLACK	BLUE
40	0.073	0.097	0.147	0.2	0.28	0.304	0.361	0.405	0.496
50	0.081	0.108	0.164	0.223	0.311	0.338	0.401	0.450	0.552
60	0.088	0.118	0.179	0.243	0.339	0.368	0.437	0.491	0.601
70	0.095	0.127	0.193	0.262	0.365	0.396	0.470	0.528	0.647
80	0.101	0.135	0.206	0.280	0.389	0.422	0.500	0.562	0.689
90	0.107	0.143	0.218	0.296	0.411	0.446	0.529	0.595	0.729
100	0.113	0.151	0.230	0.311	0.433	0.468	0.556	0.625	0.766
110	0.118	0.158	0.241	0.326	0.453	0.490	0.581	0.654	0.801
120	0.123	0.164	0.251	0.340	0.472	0.510	0.606	0.681	0.835
130	0.128	0.171	0.261	0.354	0.490	0.530	0.629	0.708	0.867
140	0.132	0.177	0.271	0.367	0.508	0.549	0.651	0.733	0.898
150	0.137	0.183	0.280	0.379	0.525	0.567	0.673	0.757	0.928
160	0.141	0.189	0.289	0.391	0.541	0.584	0.694	0.781	0.957
170	0.145	0.194	0.298	0.403	0.557	0.601	0.714	0.804	0.985
180	0.149	0.200	0.307	0.414	0.572	0.617	0.733	0.826	1.012
200	0.157	0.210	0.323	0.436	0.602	0.649	0.770	0.868	1.064
220	0.164	0.220	0.338	0.457	0.629	0.678	0.806	0.908	1.113
240	0.171	0.229	0.353	0.476	0.656	0.707	0.839	0.946	1.160
260	0.177	0.238	0.367	0.495	0.682	0.734	0.872	0.983	1.205
280	0.184	0.247	0.381	0.513	0.706	0.760	0.902	1.018	1.248
300	0.190	0.255	0.394	0.531	0.730	0.785	0.932	1.051	1.289
320	0.196	0.263	0.407	0.547	0.752	0.809	0.961	1.084	1.329
340	0.201	0.271	0.419	0.564	0.774	0.833	0.989	1.116	1.368

APPLICATIONS

For fungicides and insecticides. Recommended for orchard and vineyards.



40-340 psi

60°



ISO



ATF 60°/80° Full cone nozzle

MAIN CHARACTERISTICS

› Angle of 80 degree at 70 psi.
› Full cone nozzle producing fine droplets.
› Albuz durable pink ceramic allows high pressure spraying while maintaining nozzle performance and precision.

SPECIFIC CHARACTERISTICS

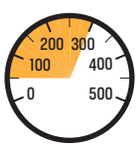
› Flow rate characteristics, color code meet international ISO standards.
› Use 100 mesh nozzle filters for models 80 015 and 80 02.
› Can be used on a boom sprayer (spacing nozzle between 14 and 20 inches)
› Recommended pressure on boom sprayers: 40 - 80 psi.
› Recommended pressure for airblast sprayers: 150 - 250 psi.
› Information about droplet size (see page 5)

APPLICATIONS

For fungicides and insecticides. Recommended for orchard and vineyards. Recommended to work on a dense canopy.

FLOW RATE CHART (Gpm)

Color	ISO Code	#	Pressure (psi)		gpm	Gallons / acre - Nozzle spacing: 20 inches							
						7 mph	8 mph	9 mph	10 mph	12 mph	14 mph	18 mph	22 mph
GREEN	ATF 80 015	100 Mesh	40	F	0.15	6.4	5.6	5.0	4.5	3.7	3.2	2.5	2
			50	F	0.16	7.1	6.2	5.5	5.0	4.1	3.5	2.8	2.3
			60	F	0.18	7.7	6.8	6.0	5.4	4.5	3.9	3	2.5
YELLOW	ATF 80 02	100 Mesh	40	M	0.20	8.5	7.4	6.6	5.9	5.0	4.2	3.3	2.7
			50	F	0.22	9.5	8.3	7.4	6.6	5.5	4.7	3.7	3
			60	F	0.24	10.3	9.0	8.0	7.2	6.0	5.2	4	3.3
PURPLE	ATF 80 025	50 Mesh	40	M	0.05	10.6	9.3	8.3	7.4	6.2	5.3	4.1	3.4
			50	F	0.27	11.8	10.3	9.2	8.3	6.9	5.9	4.6	3.8
			60	F	0.30	12.9	11.3	10.0	9.0	7.5	6.4	5	4.1
BLUE	ATF 80 03	50 Mesh	40	M	0.30	12.7	11.1	9.9	8.9	7.4	6.4	5	4.1
			50	F	0.33	14.2	12.4	11.0	9.9	8.3	7.1	5.5	4.5
			60	F	0.36	15.4	13.5	12.0	10.8	9.0	7.7	6	4.9
RED	ATF 80 04	50 Mesh	40	M	0.40	17.0	14.9	13.2	11.9	9.9	8.5	6.6	5.4
			50	F	0.44	18.9	16.5	14.7	13.2	11.0	9.4	7.3	6
			60	F	0.48	20.6	18.0	16.0	14.4	12.0	10.3	8	6.6
BROWN	ATF 80 05	50 Mesh	40	M	0.40	21.2	18.6	16.5	14.9	12.4	10.6	8.3	6.8
			50	F	0.55	23.6	20.7	18.4	16.5	13.8	11.8	9.2	7.5
			60	F	0.60	25.8	22.5	20.0	18.0	15.0	12.9	10	8.2

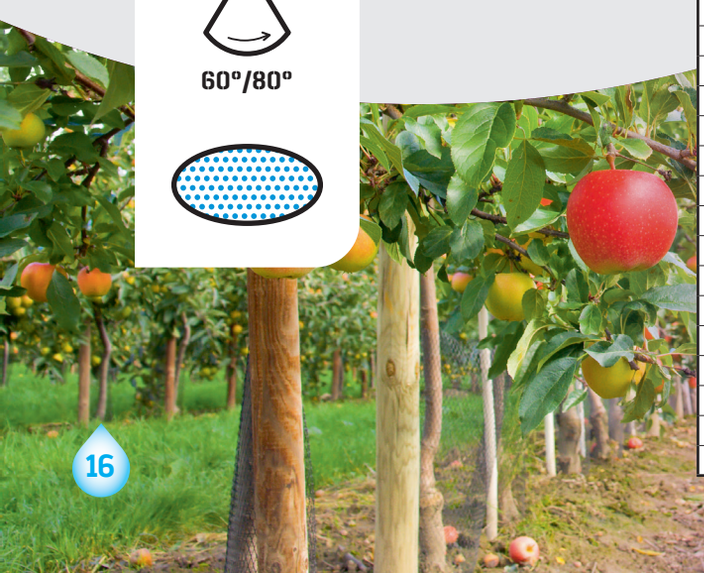


40-300 psi



60°/80°

gpm						
psi	GREEN 80-015	YELLOW 80-02	PURPLE 80-025	BLUE 80-03	RED 80-04	BROWN 80-05
40	0.15	0.2	0.25	0.3	0.4	0.5
50	0.167	0.223	0.278	0.334	0.445	0.557
60	0.182	0.243	0.304	0.364	0.486	0.607
70	0.196	0.262	0.327	0.392	0.523	0.654
80	0.209	0.279	0.349	0.418	0.558	0.697
90	0.221	0.3	0.369	0.44	0.590	0.738
100	0.233	0.310	0.388	0.466	0.621	0.776
110	0.244	0.325	0.406	0.488	0.650	0.813
130	0.26	0.352	0.440	0.528	0.704	0.88
160	0.3	0.4	0.5	0.6	0.778	0.973
180	0.309	0.412	0.515	0.618	0.823	1.029
200	0.325	0.433	0.541	0.650	0.866	1.083
220	0.340	0.453	0.567	0.680	0.907	1.133
230	0.347	0.463	0.579	0.695	0.926	1.158
240	0.354	0.47	0.591	0.709	0.945	1.182
250	0.362	0.48	0.603	0.723	0.964	1.205
260	0.368	0.49	0.614	0.737	0.982	1.228
270	0.375	0.50	0.625	0.750	1.000	1.25
280	0.382	0.509	0.636	0.763	1.018	1.272
290	0.388	0.518	0.647	0.776	1.035	1.294
300	0.395	0.526	0.658	0.789	1.052	1.315





ISO

Air Induction
Hollow Cone
spray nozzle

TVI 80°



SPECIFIC CHARACTERISTICS

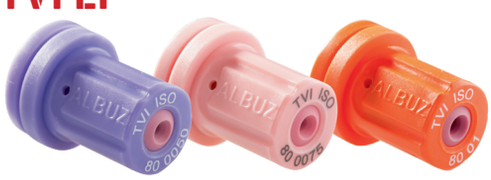
- Easy dismantling for cleaning.
- 3 ceramic components for greater wear resistance.
- Can be used on a boom from a pressure of 70 psi using a special quick-connect cap.
- Compact size: length 0.74 inches.
- **Recommended pressure for airblast sprayers: 150 - 300 psi.**
- Information about droplet size (see page 5)

NEW

3 low pressure nozzles

Purple, pink and orange

TVI LP



MAIN CHARACTERISTICS

- 80 degree angle at 70 psi.
- Air induction nozzle (venturi system) : sprays large drops filled with air bubbles, which do not drift and burst to form finer droplets on contact with the plant.
- ALBUZ® durable pink ceramic allows high spraying pressures to be used while maintaining performance and precision.

IMPORTANT ! Use 200 mesh nozzle filters for models 80 0050 - 80 0075 and 100 mesh filters for the other sizes.

FLOW RATE CHART (Gpm)

psi	LILAC 80-0050	PINK 80-0075	ORANGE 80-01	GREEN 80-015	YELLOW 80-02	PURPLE 80-025	BLUE 80-03	RED 80-04
40	0.050	0.075	0.100					
50	0.056	0.084	0.112					
60	0.061	0.092	0.122					
70	0.066	0.099	0.132	0.198	0.265	0.331	0.397	0.529
80	0.071	0.106	0.141	0.212	0.283	0.354	0.424	0.566
90	0.075	0.113	0.2	0.225	0.3	0.375	0.45	0.6
100	0.079	0.119	0.158	0.237	0.316	0.395	0.474	0.632
110	0.083	0.124	0.166	0.249	0.332	0.415	0.497	0.663
120	0.087	0.130	0.173	0.26	0.346	0.433	0.52	0.693
130	0.09	0.14	0.180	0.27	0.361	0.451	0.541	0.721
140	0.094	0.140	0.187	0.281	0.374	0.468	0.561	0.748
150	0.097	0.145	0.194	0.29	0.387	0.484	0.581	0.775
160	0.1	0.15	0.2	0.3	0.4	0.5	0.6	0.8
170	0.103	0.155	0.206	0.309	0.412	0.515	0.618	0.825
180	0.106	0.159	0.212	0.318	0.424	0.53	0.636	0.849
200	0.112	0.168	0.224	0.335	0.447	0.559	0.671	0.894
220	0.117	0.176	0.235	0.352	0.469	0.586	0.704	0.938
240	0.122	0.184	0.25	0.367	0.49	0.612	0.735	0.98
260	0.127	0.191	0.26	0.382	0.51	0.637	0.765	1.02
280	0.132	0.198	0.265	0.397	0.529	0.661	0.794	1.058
300	0.137	0.205	0.274	0.411	0.548	0.685	0.822	1.095
320	0.141	0.212	0.283	0.424	0.566	0.707	0.849	1.131
340	0.146	0.219	0.292	0.437	0.583	0.729	0.875	1.166

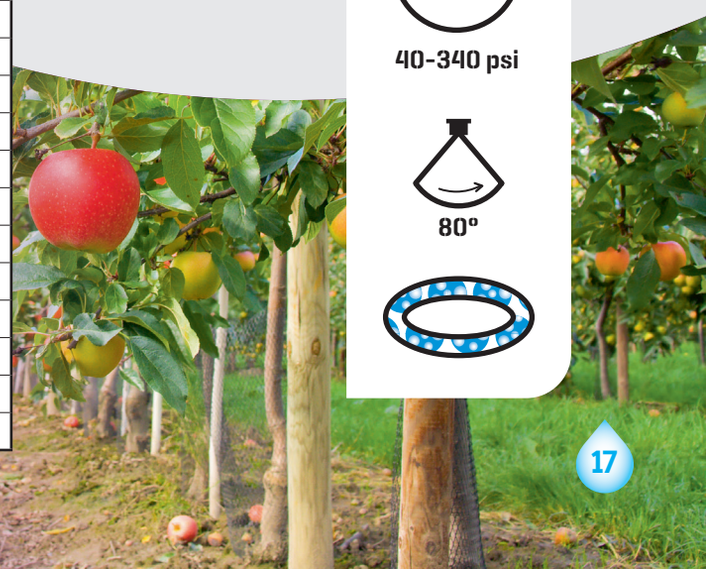
APPLICATIONS

For fungicide and insecticide treatments. Recommended for orchard and vineyards.



40-340 psi

80°



ISO



Dimensions: 11 mm

ISO color code

AVI 80° Air induction flat spray nozzle

MAIN CHARACTERISTICS

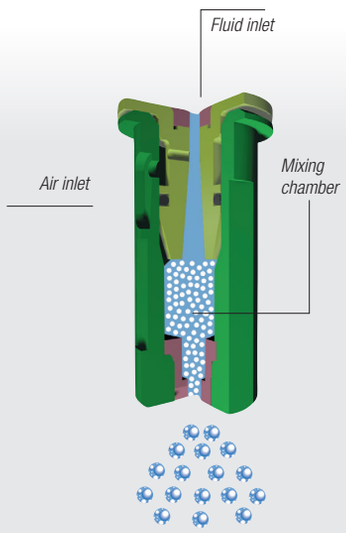
- **Designed to be used over a wide range of pressures (from 150 to 300 psi).**
- Pink ALBUZ® ceramic orifice with excellent precision and high wear resistance.
- Flat fan pattern, angle of 80 degree at 40 psi.
- Can be used for tree canopies up to 25 feet.

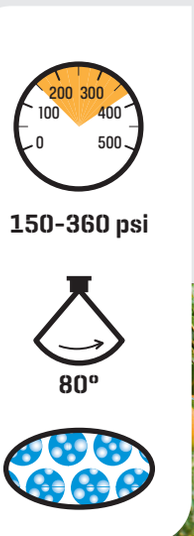
SPECIFIC CHARACTERISTICS

- Air induction nozzle (venturi system) : sprays large drops filled with air bubbles, which do not drift and burst to form finer droplets on contact with the plant.
- Increase retention of the product on the foliage, and reduce product losses to the ground.
- Dramatically reduces drift, while enhancing the number of "impacts" of product on the target, (excellent coverage of the treated zones)
- Anti-clogging design and double air-intake orifices.
- Compact design (1.10 inches length) adapted to all booms and nozzle bodies.
- **Recommended operating pressures: between 150 and 200 psi.**

APPLICATIONS

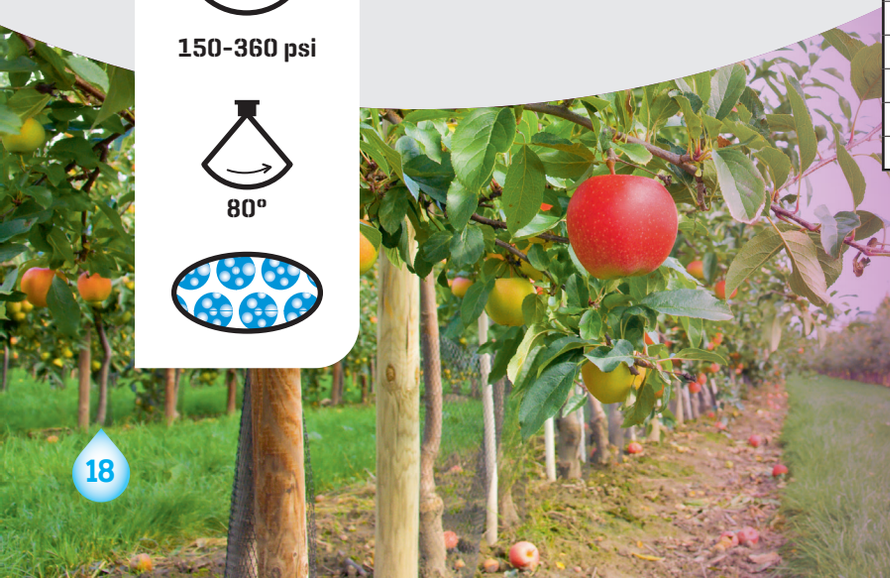
Particularly recommended for the orchard treatments of systemic and contact products.

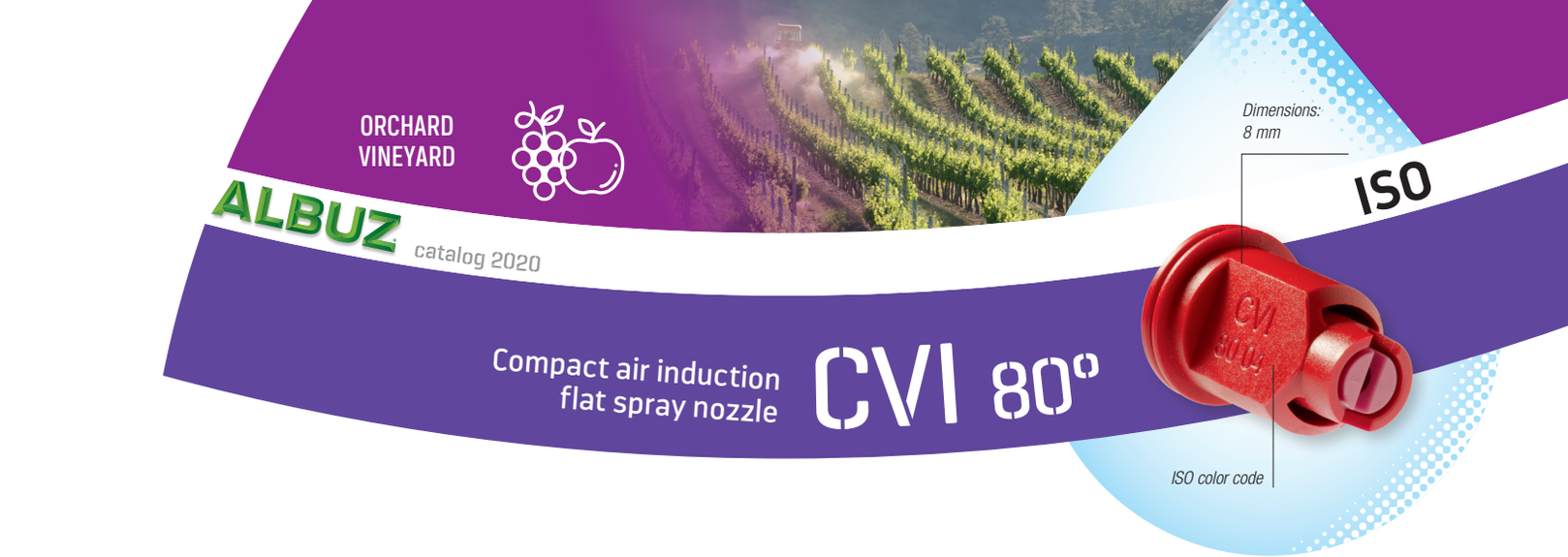




FLOW RATE CHART (gpm)

Pressure (psi)	ORANGE 8001	GREEN 80015	YELLOW 8002	PURPLE 80025	BLUE 8003	RED 8004
	100 Mesh	100 Mesh	100 Mesh	50 Mesh	50 Mesh	50 Mesh
150	0.194	0.290	0.387	0.484	0.581	0.775
160	0.2	0.300	0.400	0.500	0.6	0.800
170	0.206	0.309	0.412	0.515	0.618	0.83
190	0.218	0.327	0.436	0.545	0.654	0.872
200	0.224	0.335	0.447	0.559	0.671	0.894
220	0.235	0.352	0.469	0.586	0.704	0.938
230	0.24	0.36	0.48	0.599	0.719	0.959
250	0.25	0.375	0.5	0.625	0.75	1
260	0.255	0.382	0.51	0.637	0.765	1.02
280	0.265	0.397	0.529	0.661	0.794	1.058
290	0.269	0.404	0.539	0.673	0.808	1.077
300	0.274	0.411	0.548	0.685	0.822	1.095
320	0.283	0.424	0.566	0.707	0.849	1.131
330	0.287	0.431	0.574	0.718	0.862	1.149
350	0.296	0.444	0.592	0.740	0.887	1.183
360	0.3	0.450	0.600	0.750	0.9	1.2





Compact air induction flat spray nozzle

CVI 80°

SPECIFIC CHARACTERISTICS

- Air induction nozzle (venturi system) : sprays large drops filled with air bubbles, which do not drift and burst to form finer droplets on contact with the plant.
- Increase retention of the product on the foliage, and reduce product losses to the ground.
- Dramatically reduces drift, while enhancing the number of impacts of product on the target, (excellent coverage of the treated zones).
- Anti-clogging design and double air-intake orifices.
- Compact design (length 0.87 inch) adapted to all booms and nozzle holders.
- **Recommended operating pressures: between 150 and 200 psi.**

MAIN CHARACTERISTICS

- **Designed to be used over a wide range of pressures (from 150 and 200 psi).**
- Pink ALBUZ® ceramic orifice (excellent precision and high wear resistance).
- Flat fan pattern, angle of 80 degree at 40 psi.
- Can be used for tree canopies up to 25 feet.

APPLICATIONS

Particularly recommended for the application of systemic and contact products.

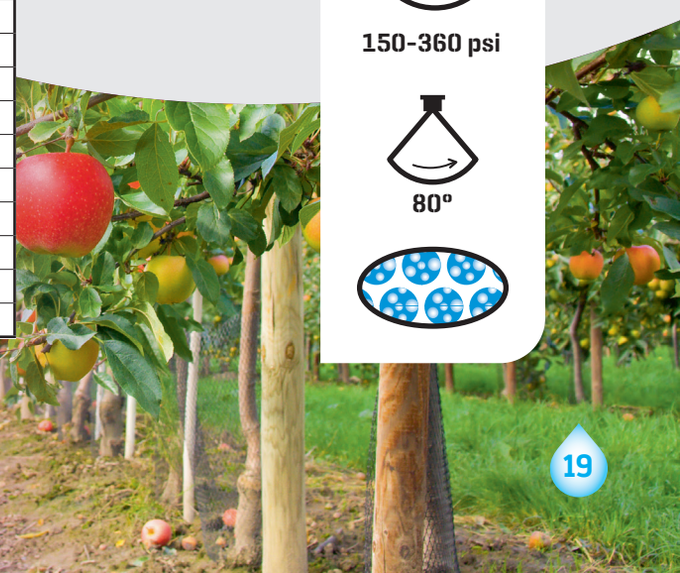
FLOW RATE CHART (gpm)

Pressure (psi)	ORANGE 8001	GREEN 80015	YELLOW 8002	PURPLE 80025	BLUE 8003	RED 8004	BROWN 8005	GREY 8006
	100 Mesh	100 Mesh	100 Mesh	50 Mesh	50 Mesh	50 Mesh	50 Mesh	50 Mesh
150	0.194	0.290	0.387	0.484	0.581	0.775	0.968	1.162
160	0.2	0.300	0.400	0.500	0.6	0.800	1.000	1.200
170	0.206	0.309	0.412	0.515	0.618	0.83	1.031	1.237
190	0.218	0.327	0.436	0.545	0.654	0.872	1.090	1.308
200	0.224	0.335	0.447	0.559	0.671	0.894	1.118	1.342
220	0.235	0.352	0.469	0.586	0.704	0.938	1.173	1.407
230	0.24	0.36	0.48	0.599	0.719	0.959	1.199	1.439
250	0.25	0.375	0.5	0.625	0.75	1	1.25	1.50
260	0.255	0.382	0.51	0.637	0.765	1.02	1.275	1.530
280	0.265	0.397	0.529	0.661	0.794	1.058	1.323	1.587
290	0.269	0.404	0.539	0.673	0.808	1.077	1.346	1.616
300	0.274	0.411	0.548	0.685	0.822	1.095	1.369	1.643
320	0.283	0.424	0.566	0.707	0.849	1.131	1.414	1.697
330	0.287	0.431	0.574	0.718	0.862	1.149	1.436	1.723
350	0.296	0.444	0.592	0.740	0.887	1.183	1.48	1.775
360	0.3	0.450	0.600	0.750	0.9	1.2	1.5	1.8



150-360 psi

80°





ORCHARD
VINEYARD

catalog 2020 ALBUZ



DISC & CORE

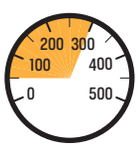
Ceramic hollow-cone nozzle

SPECIFIC CHARACTERISTICS

- ALBUZ® durable pink ceramic construction allows high spraying pressures to be used while maintaining performance and precision.
- Hollow cone nozzle spraying fine droplets.
- The combinations of Discs (AD) and Cores (AC) allow a wide choice of uses.
- **Recommended pressure: 150 -250 psi.**
- Information about droplet size (see page 5)

APPLICATIONS

All types of treatments (herbicides, fungicides,insecticides ...)



40-300 psi







Full cone

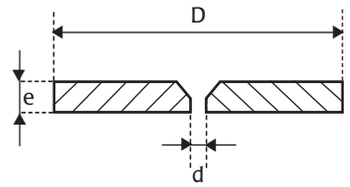
HOLLOW CONE TABLE

		Orifice diameters (inches)	gpm							Angles	
			40 psi	60 psi	80 psi	100 psi	150 psi	200 psi	300 psi	150 psi	300 psi
AD 1	AC 13	0.36 "	0.066	0.078	0.088	0.097	0.115	0.128	0.152	66°	68°
AD 2	AC 13	0.41 "	0.08	0.10	0.11	0.12	0.14	0.16	0.18	74°	75°
AD 3	AC 13	0.47 "	0.09	0.11	0.12	0.13	0.16	0.18	0.20	77°	78°
AD 4	AC 13	0.63 "	0.12	0.14	0.16	0.17	0.20	0.23	0.27	84°	85°
AD 1	AC 23	0.36 "	0.072	0.080	0.096	0.107	0.124	0.139	0.164	63°	65°
AD 2	AC 23	0.41 "	0.10	0.13	0.14	0.16	0.19	0.21	0.25	72°	72°
AD 3	AC 23	0.47 "	0.12	0.14	0.16	0.18	0.21	0.24	0.28	77°	77°
AD 4	AC 23	0.63 "	0.15	0.19	0.21	0.23	0.28	0.32	0.38	88°	87°
AD 5	AC 23	0.78 "	0.18	0.22	0.25	0.28	0.34	0.38	0.46	96°	95°
AD 6	AC 23	0.94 "	0.21	0.26	0.29	0.32	0.39	0.45	0.54	100°	99°
AD 1	AC 25	0.36 "	0.101	0.122	0.138	0.156	0.185	0.210	0.255	49°	51°
AD 2	AC 25	0.41 "	0.16	0.19	0.22	0.25	0.29	0.34	0.41	61°	61°
AD 3	AC 25	0.47 "	0.19	0.23	0.26	0.29	0.35	0.40	0.48	69°	69°
AD 4	AC 25	0.63 "	0.29	0.35	0.40	0.45	0.54	0.62	0.75	82°	82°
AD 5	AC 25	0.78 "	0.35	0.42	0.48	0.54	0.65	0.75	0.90	85°	84°
AD 6	AC 25	0.94 "	0.44	0.54	0.62	0.70	0.85	0.97	1.19	89°	88°
AD 7	AC 25	0.125 "	0.52	0.63	0.73	0.81	0.98	1.18	1.37	92°	91°
AD 1	AC 45	0.36 "	0.125	0.148	0.170	0.190	0.225	0.257	0.310	39°	40°
AD 2	AC 45	0.41 "	0.20	0.25	0.28	0.32	0.38	0.44	0.53	58°	58°
AD 3	AC 45	0.47 "	0.23	0.28	0.33	0.36	0.44	0.51	0.62	62°	62°
AD 4	AC 45	0.63 "	0.36	0.43	0.50	0.56	0.68	0.78	0.95	73°	72°
AD 5	AC 45	0.78 "	0.45	0.55	0.64	0.71	0.86	0.99	1.22	76°	75°
AD 6	AC 45	0.94 "	0.58	0.72	0.83	0.93	1.15	1.33	1.64	80°	79°
AD 7	AC 45	0.125 "	0.68	0.84	0.97	1.11	1.35	1.57	1.94	86°	85°
AD 1	AC 46	0.36 "	0.145	0.178	0.205	0.23	0.28	0.32	0.39	17°	17°
AD 2	AC 46	0.41 "	0.27	0.33	0.37	0.42	0.50	0.57	0.68	20°	18°
AD 3	AC 46	0.47 "	0.32	0.39	0.45	0.51	0.61	0.70	0.86	23°	21°
AD 4	AC 46	0.63 "	0.56	0.68	0.78	0.88	1.07	1.23	1.52	32°	31°
AD 5	AC 46	0.78 "	0.77	0.94	1.10	1.25	1.50	1.73	2.13	41°	40°
AD 6	AC 46	0.94 "	1.10	1.35	1.58	1.73	2.16	2.50	3.06	49°	47°
AD 7	AC 46	0.125 "	1.39	1.72	1.97	2.22	2.73	3.15	3.85	55°	53°

FULL CONE TABLE

		Orifice diameters (inches)	gpm							Angles	
			40 psi	60 psi	80 psi	100 psi	150 psi	200 psi	300 psi	150 psi	300 psi
AD 1	AC 31	0.36 "	-	-	-	-	0.277	0.314	0.373	38°	40°
AD 2	AC 31	0.41 "	-	-	-	-	0.401	0.454	0.540	49°	54°
AD 3	AC 31	0.47 "	-	-	-	-	0.429	0.485	0.578	58°	67°
AD 1	AC 35	0.36 "	-	-	-	-	0.260	0.294	0.350	27°	27°
AD 2	AC 35	0.41 "	-	-	-	-	0.455	0.515	0.614	40°	45°
AD 3	AC 35	0.47 "	-	-	-	-	0.538	0.609	0.725	42°	48°
AD 4	AC 35	0.63 "	-	-	-	-	0.943	1.067	1.270	60°	68°
AD 5	AC 35	0.78 "	0.691	0.809	0.905	0.988	1.157	1.294	1.516	62°	69°
AD 2	AC 56	0.41 "	0.251	0.294	0.329	0.359	0.420	0.470	0.551	16°	18°
AD 3	AC 56	0.47 "	0.356	0.417	0.467	0.509	0.596	0.667	0.781	22°	24°
AD 4	AC 56	0.63 "	0.586	0.686	0.768	0.838	0.981	1.098	1.286	28°	30°
AD 5	AC 56	0.78 "	0.817	0.957	1.071	1.168	1.368	1.530	1.793	33°	35°
AD 6	AC 56	0.94 "	1.236	1.448	1.620	1.767	2.070	2.315	2.712	38°	40°
AD 7	AC 56	0.125 "	1.613	1.889	2.114	2.306	2.701	3.022	3.539	51°	53°

Metering Disc AMT



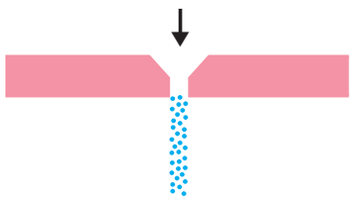


0°

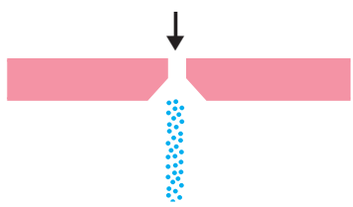
REF	7010	7011	7012	7015	7018	7020	7023	15007	15008	15010	15012	15015	15018	15020	15023	15030	15040	15060	18008	18010	18012	18015	18018	18020	18023
D (inche)	.27							.59											.71						
d* (inche)	0.039	0.043	0.047	0.059	0.07	0.078	0.09	0.027	0.031	0.039	0.047	0.059	0.07	0.078	0.09	0.11	0.157	0.236	0.031	0.043	0.047	0.059	0.07	0.078	0.09
e (inche)	0.11							0.12											0.078						

APPLICATIONS

ALBUZ ceramic characteristics allow spraying high pressures while maintaining performance and precision. Exist in several dimensions: diameters 0.27, 0.59 and 0.71 inches.



psi	gpm									
	AMT ..007	AMT ..008	AMT ..010	AMT ..012	AMT ..015	AMT ..018	AMT ..020	AMT ..023	AMT ..030	AMT ..040
30	0.11	0.15	0.24	0.31	0.51	0.68	0.83	1.07	1.73	3.23
40	0.13	0.17	0.28	0.35	0.58	0.79	0.96	1.24	2.02	3.77
60	0.16	0.20	0.34	0.43	0.70	0.97	1.17	1.53	2.50	4.71
70	0.17	0.22	0.36	0.46	0.75	1.04	1.26	1.66	2.71	5.12
150	0.24	0.31	0.51	0.67	1.07	1.53	1.84	2.46	4.07	7.76
220	0.29	0.37	0.6	0.81	1.28	1.85	2.22	3	4.99	9.56
290	0.33	0.42	0.68	0.93	1.46	2.13	2.55	3.47	5.78	11.11
440	0.40	0.51	0.82	1.14	1.77	2.62	3.13	4.3	7.21	13.95
730	0.51	0.54	1.04	1.46	2.24	3.38	4.03	5.6	9.44	18.38



psi	gpm									
	AMT ..007	AMT ..008	AMT ..010	AMT ..012	AMT ..015	AMT ..018	AMT ..020	AMT ..023	AMT ..030	AMT ..040
30	0.11	0.12	0.17	0.25	0.38	0.53	0.66	0.86	1.39	2.88
40	0.13	0.13	0.2	0.29	0.44	0.61	0.76	0.99	1.62	3.37
60	0.15	0.16	0.24	0.35	0.54	0.75	0.94	1.21	2.02	4.20
70	0.16	0.18	0.26	0.38	0.58	0.81	1.02	1.31	2.19	4.56
150	0.24	0.26	0.38	0.56	0.85	1.19	1.5	1.91	3.29	6.9
220	0.29	0.31	0.46	0.67	1.02	1.44	1.82	2.32	4.04	8.5
290	0.33	0.35	0.53	0.77	1.17	1.65	2.1	2.66	4.68	9.87
440	0.40	0.43	0.65	0.95	1.44	2.04	2.6	3.28	5.84	12.38
730	0.52	0.56	0.83	1.21	1.85	2.62	3.36	4.22	7.66	16.3



ESI 6 stream fertilizer nozzle

MAIN CHARACTERISTICS

- Pink ALBUZ® ceramic calibrated orifice (excellent precision and high wear resistance),
- ISO color coded and flow rated but with an ALBUZ® 7.4 inches plastic body shape.
- Cap fitted with 7 to 10 degree offset angle from boom position,
- Orifices: 6 streams providing very coarse droplets improving fertilizer distribution.

RECOMMENDATIONS

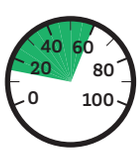
- **The recommended boom height is 20 inches from the target; similar to the ISO 110 degree flat-fan nozzle height recommendations.**
- **Minimum pressure : 15 psi.**

APPLICATIONS

liquid fertilizer application

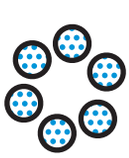
FLOW RATE CHART (gpm)

psi	GREEN 015	YELLOW 02	PURPLE 025	BLUE 03	RED 04	BROWN 05	GREY 06
15	0.096	0.135	0.169	0.203	0.270	0.351	0.422
20	0.111	0.152	0.189	0.227	0.303	0.390	0.467
30	0.132	0.178	0.223	0.267	0.357	0.451	0.541
35	0.141	0.19	0.237	0.284	0.379	0.477	0.572
40	0.15	0.2	0.25	0.3	0.4	0.5	0.6
50	0.166	0.219	0.273	0.328	0.437	0.542	0.626
60	0.180	0.235	0.294	0.353	0.470	0.579	0.694



15-60 psi





gallons/acre		Nozzle spacing 20 inches																													
WATER	NITROGEN	3 mph				4 mph				5 mph				6 mph				7 mph				8 mph				10 mph					
6	5										17				25				35	17			47	23			41		32		
8							19				31				47	23				35				48	32	31			56		
10	9		17				31	15			52	26	15	15		41	23				35	31			56	53	23				
14	12		35					35	20			60	35	35			54	51	25					18			60	25	15		
16	14			23		17		48	28	31				48	23				35	18			40	26	16			47	28		
22	19	29		52	30	39	19		61		33	17			52	29	17			44	27				39						
25	22	26			41	53	26				45	25				41	25				38										
30	26	41	20				41	22				41	25				41														
35	31		29					34	29				38																		
45	40		55	31					41																						
50	44			41	25				55																						
55	48			54	32																										
60	53				41																										

ISO

6 stream compact cap fertilizer nozzle

FESI



ISO color code

RECOMMENDATIONS

› **The recommended boom height is 20 inches from the target, similar to the 110 degree flat fan nozzle (AXI / ADI / AVI).**

› **Minimum pressure : 15 psi.**

FLOW RATE CHART (gpm)

psi	BROWN 05	GREY 06	WHITE 08	LIGHT BLUE 010	LIGHT GREEN 015
15	0.315	0.378	0.505	0.631	0.946
20	0.361	0.433	0.578	0.722	1.083
30	0.437	0.524	0.699	0.874	1.310
35	0.470	0.564	0.751	0.939	1.409
40	0.5	0.6	0.8	1	1.5
50	0.528	0.666	0.888	1.111	1.666
60	0.605	0.726	0.968	1.21	1.815

NOZZLE COLOR SELECTION - RECOMMENDED PRESSURE (PSI) (NOZZLE SPACING : 40 INCHES)

l / ha																							
WATER	NITROGEN	4 mph			6 mph			8 mph			10 mph			12 mph			14 mph			16 mph		
10	9											18			25	17		34	23	17		31
14	12								21			37	25			34				34		
16	14								28	19	17		33	25			34				28	
18	16					20			36	25	21		43	32	20			27			36	
22	19					25	17	17		31	27	17		40	25			34				19
25	22		17		15	40	27	27	17		43	27			40	17			23			31
30	26		25	17	21		40	40	25			40	17			25			34			
35	31		34	23	30	18			34				23			34						
45	40	21		40		32				25			40									
50	44	27				40				31												
55	48	33	20				20			38												
60	53	40	25				25															
65	57		29				29															

MAIN CHARACTERISTICS

› Pink Albuz ceramic calibrated orifice (excellent precision and high wear resistance).

› ISO color coded and flow rated.

› Orifices : 6 streams providing very coarse droplets improving fertilizer distribution.

APPLICATIONS

liquid fertilizer application



15-60 psi







AVI-OC

Air injected off center nozzle

MAIN CHARACTERISTICS

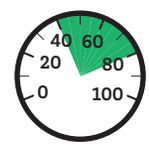
- **Designed to be used over a wide range of pressures (from 40 to 70 psi).**
- Pink ALBUZ® ceramic orifice (excellent precision and high wear resistance).
- Flat fan pattern, 80 degree spray angle.

SPECIFIC CHARACTERISTICS

- Air induction nozzle (venturi system) : sprays large drops filled with air bubbles, which do not drift and burst to form finer droplets on contact with the plant.
- Almost totally eliminates drift, while increasing the number of impacts (excellent coverage of the treated zone).
- Improve applications near sensitive areas when used on boom end (see picture 1 and picture 2 below).
- **Minimum pressure: 40 psi.**

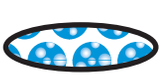
APPLICATIONS

All types of treatments (systemic and contact products) including fertilizers.



40-80 psi

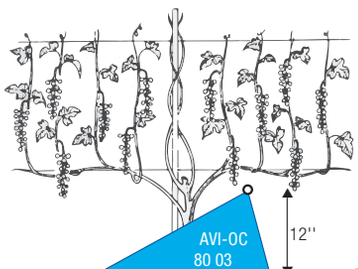




FLOW RATE CHART

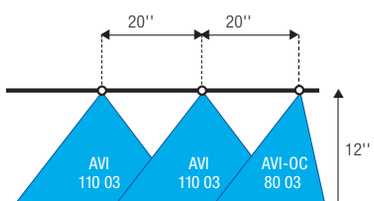
Color	ISO code	Mesh	(psi)		gpm	Gallons / acre - nozzle spacing: 20 inches								
						4 mph	5 mph	6 mph	8 mph	10 mph	12 mph	14 mph	16 mph	20 mph
ORANGE	AVI-OC 8001	100 Mesh	40	VC	0.10	7.4	5.9	5.0	3.7	3.0	2.5	2.1	1.9	1.5
			50	VC	0.11	8.2	6.5	5.4	4.1	3.3	2.7	2.3	2.0	1.6
			60	C	0.12	8.9	7.1	5.9	4.5	3.6	3.0	2.5	2.2	1.8
			75	C	0.14	10.4	8.3	6.9	5.2	4.2	3.5	3.0	2.6	2.1
GREEN	AVI-OC 80015	100 Mesh	40	XC	0.15	11.1	8.9	7.4	5.6	4.5	3.7	3.2	2.8	2.2
			50	VC	0.17	12.7	10.2	8.5	6.3	5.1	4.2	3.6	3.2	2.5
			60	VC	0.18	13.4	10.7	8.9	6.7	5.3	4.5	3.8	3.3	2.7
			75	C	0.21	15.6	12.5	10.4	7.8	6.2	5.2	4.5	3.9	3.1
YELLOW	AVI-OC 8002	100 Mesh	40	XC	0.20	14.9	11.9	9.9	7.4	5.9	5.0	4.2	3.7	3.0
			50	XC	0.22	16.3	13.1	10.9	8.2	6.5	5.4	4.7	4.1	3.3
			60	VC	0.24	17.8	14.3	11.9	8.9	7.1	5.9	5.1	4.5	3.6
			75	VC	0.27	20.0	16.0	13.4	10.0	8.0	6.7	5.7	5.0	4.0
PURPLE	AVI-OC 80025	50 Mesh	40	XC	0.25	18.6	14.9	12.4	9.3	7.4	6.2	5.3	4.6	3.7
			50	XC	0.28	20.8	16.6	13.9	10.4	8.3	6.9	5.9	5.2	4.2
			60	VC	0.31	23.3	18.7	15.5	11.7	9.3	7.8	6.7	5.8	4.7
			75	VC	0.34	25.2	20.2	16.8	12.6	10.1	8.4	7.2	6.3	5.0
BLUE	AVI-OC 8003	50 Mesh	40	XC	0.30	22.3	17.8	14.9	11.1	8.9	7.4	6.4	5.6	4.5
			50	XC	0.34	25.5	20.4	17.0	12.7	10.2	8.5	7.3	6.4	5.1
			60	XC	0.37	27.5	22.0	18.3	13.7	11.0	9.2	7.8	6.9	5.5
			75	VC	0.41	30.4	24.4	20.3	15.2	12.2	10.1	8.7	7.6	6.1
RED	AVI-OC 8004	50 Mesh	40	XC	0.40	29.7	23.8	19.8	14.9	11.9	9.9	8.5	7.4	5.9
			50	XC	0.45	33.4	26.7	22.3	16.7	13.4	11.1	9.5	8.4	6.7
			60	XC	0.49	36.4	29.1	24.3	18.2	14.6	12.1	10.4	9.1	7.3
			75	VC	0.55	40.8	32.7	27.2	20.4	16.3	13.6	11.7	10.2	8.2
BROWN	AVI-OC 8005	50 Mesh	40	XC	0.50	37.1	29.7	24.8	18.6	14.9	12.4	10.6	9.3	7.4
			50	XC	0.56	41.6	33.3	27.7	20.8	16.6	13.9	11.9	10.4	8.3
			60	XC	0.61	45.3	36.2	30.2	22.6	18.1	15.1	12.9	11.3	9.1
			75	VC	0.68	50.5	40.4	33.7	25.2	20.2	16.8	14.4	12.6	10.1

TREATMENT ON PLANTS

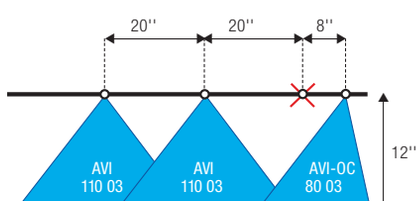


TREATMENT ON BOOM

Standard



Optimum





Compact Air induction off center spray nozzle CVI-OC



SPECIFIC CHARACTERISTICS

- Air induction nozzle (venturi system) : sprays large drops filled with air bubbles, which do not drift and burst to form finer droplets on contact with the plant.
- Almost totally eliminates drift, while increasing the number of impacts (excellent coverage of treated zone).
- Improve applications near sensitive areas when used on boom end (see picture 1).
- Improve applications near sensitive areas when used on boom end (see picture 1 and picture 2 below).
- **Minimum pressure : 20 - 30 psi.**

MAIN CHARACTERISTICS

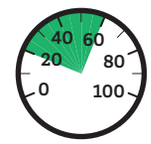
- Designed to be used over a wide range of pressures (from 20 to 40 psi).
- Pink Albuz ceramic orifice (excellent precision and high wear resistance).
- Flat fan pattern, 80 degree spray angle.
- Designed for all types of nozzle holders using the same cap as AXI nozzle.

FLOW RATE CHART

Color	ISO code	#	Pressure (psi)		gpm	Gallons / acre - nozzle spacing: 20 inches							
						4 mph	5 mph	6 mph	8 mph	10 mph	12 mph	16 mph	20 mph
YELLOW	CVI 80 02	100 Mesh	20	XC	0.14	10.4	8.3	6.9	5.2	4.2	3.5	2.6	2.1
			30	XC	0.17	12.6	10.1	8.4	6.3	5.0	4.2	3.2	2.5
			40	XC	0.20	14.9	11.9	9.9	7.4	5.9	5.0	3.7	3.0
			50	XC	0.22	16.3	13.1	10.9	8.2	6.5	5.4	4.1	3.3
			60	VC	0.24	17.8	14.3	11.9	8.9	7.1	5.9	4.5	3.6
			75	C	0.27	20.0	16.0	13.4	10.0	8.0	6.7	5.0	4.0
PURPLE	CVI 80 025	50 Mesh	20	XC	0.18	13.4	10.7	8.9	6.7	5.3	4.5	3.3	2.7
			30	XC	0.22	16.5	13.2	11.0	8.2	6.6	5.5	4.1	3.3
			40	XC	0.25	18.6	14.9	12.4	9.3	7.4	6.2	4.6	3.7
			50	XC	0.28	20.8	16.6	13.9	10.4	8.3	6.9	5.2	4.2
			60	VC	0.31	23.3	18.7	15.5	11.7	9.3	7.8	5.8	4.7
			75	C	0.34	25.2	20.2	16.8	12.6	10.1	8.4	6.3	5.0
BLUE	CVI 80 03	50 Mesh	20	XC	0.21	15.6	12.5	10.4	7.8	6.2	5.2	3.9	3.1
			30	XC	0.26	19.3	15.4	12.9	9.7	7.7	6.4	4.8	3.9
			40	XC	0.30	22.3	17.8	14.9	11.1	8.9	7.4	5.6	4.5
			50	VC	0.34	25.5	20.4	17.0	12.7	10.2	8.5	6.4	5.1
			60	C	0.37	27.5	22.0	18.3	13.7	11.0	9.2	6.9	5.5
			75	C	0.41	30.4	24.4	20.3	15.2	12.2	10.1	7.6	6.1

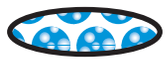
APPLICATIONS

All types of treatments (systemic and contact products) including fertilizers.



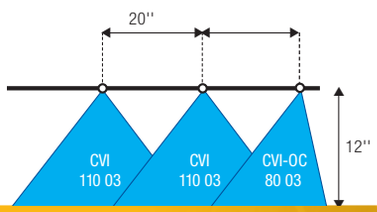
20-60 psi



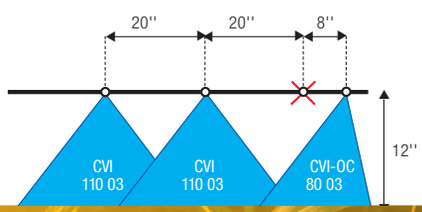


TREATMENT ON BOOM

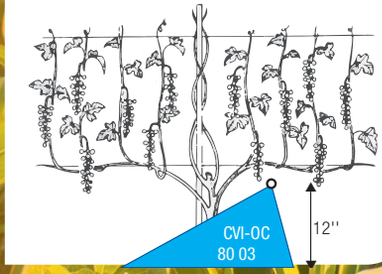
Standard



Optimum



TREATMENT ON PLANTS





NAF

Hollow cone or full cone misting nozzle

MAIN CHARACTERISTICS

› High performance ceramic and plastic polyacetal (POM) body for excellent precision and high wear resistance.
› Recommended for several applications such as humidification, dust control, odor control.
› Adaptable on PVC connectors .

SPECIFIC CHARACTERISTICS

› The nozzles have a hollow cone jet or a full cone jet.
› NAF misting nozzles are suitable for pressures from 70 to 430 psi.
› Easy assembly and cleaning.
› Removable 50 µm filter.
› Sealing materials: nitrile.

APPLICATIONS

Particularly recommended for cooling people and animals; cleaning fruits and vegetables.



70-430 psi





full cone

HOLLOW CONE CHART

Pressure (psi)	DARK NAF		WHITE NAF	
	Flow rate (gpm)	Angle	Flow rate (gpm)	Angle
70	-	-	0.013	70°
100	-	-	0.014	75°
150	-	-	0.017	80°
220	-	-	0.020	80°
300	.013	80°	0.022	80°
360	.016	80°	0.025	80°
430	.018	80°	0.027	80°



FULL CONE CHART

Pressure (psi)	BLUE NAF		GREY NAF		GREEN NAF		ORANGE NAF	
	Flow rate (gpm)	Angle	Flow rate (gpm)	Angle	Flow rate (gpm)	Angle	Flow rate (gpm)	Angle
70	-	-	-	-	-	-	0.034	80°
100	-	-	0.017	60°	0.026	80°	0.045	90°
150	0.013	50°	0.018	80°	0.034	89°	0.058	90°
220	0.016	70°	0.025	88°	0.043	89°	0.078	93°
300	0.022	75°	0.031	92°	0.051	92°	0.091	93°
360	0.024	75°	0.035	96°	0.058	96°	0.105	93°
430	0.026	77°	0.039	96°	0.064	96°	0.115	93°



Full cone 1/8 misting nozzle

TAM



SPECIFIC CHARACTERISTICS

› TAM misting nozzles are suitable for pressures from 70 to 430 psi included.

› Easy assembly and cleaning .

› Removable filter made of sintered resin (50 µm).

› Sealing materials: nitrile.

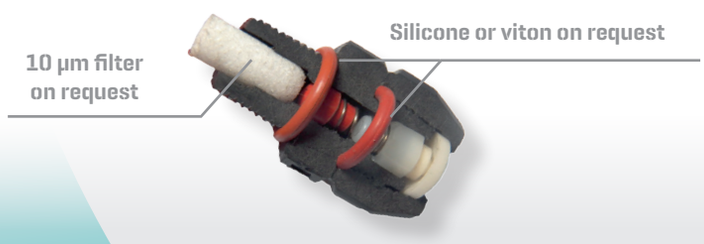
MAIN CHARACTERISTICS

› High performance ceramic and plastic polyacetal (POM) body for excellent precision and high wear resistance.

› Recommended for several applications such as humidification, dust control, odor control.

› 1/8 inch NPT thread.

SECTIONAL VIEW



APPLICATIONS

Particularly recommended for cooling people and animals; cleaning fruits and vegetables.

	YELLOW TAM 50/30		BLACK TAM 70/30		BLUE TAM 50/15		RED TAM 40/8		GREY TAM 70/10		GREEN TAM 100/7		ORANGE TAM 130/5	
Pressure (psi)	Flow rate (gpm)	Angle	Flow rate (gpm)	Angle	Flow rate (gpm)	Angle	Flow rate (gpm)	Angle	Flow rate (gpm)	Angle	Flow rate (gpm)	Angle	Flow rate (gpm)	Angle
70	-	-	-	-	0.006	35°	0.011	55°	-	-	0.020	55°	0.036	65°
120	0.005	30°	0.006	56°	0.008	57°	0.014	67°	0.018	77°	0.031	80°	0.049	80°
150	0.006	47°	0.007	62°	0.009	65°	0.016	75°	0.020	80°	0.036	90°	0.056	83°
170	0.007	55°	0.008	64°	0.010	67°	0.017	75°	0.022	85°	0.040	94°	0.063	90°
220	0.007	60	0.009	70	0.011	70	0.019	78	0.026	89	0.046	94	0.071	91
260	0.008	65°	0.010	75°	0.012	73°	0.021	80°	0.029	91°	0.051	94°	0.079	92°
300	0.009	68°	0.011	75°	0.014	77°	0.022	80°	0.030	91°	0.054	94°	0.084	92°
360	0.010	72	0.013	75	0.015	77	0.024	82	0.034	92	0.062	94	0.094	94
430	0.011	76°	0.014	75°	0.017	77°	0.027	85°	0.037	92°	0.068	94°	0.104	96°

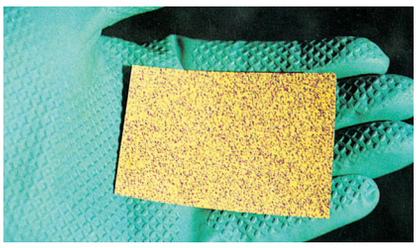




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catalog 2020

WATER SENSITIVE PAPER

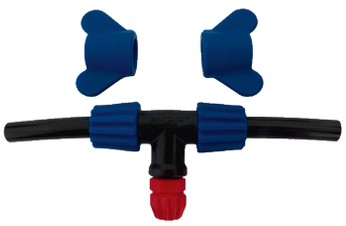
The special coating of hydro sensitive paper will enable you to evaluate spray coverage and the density of droplets. You can then check the spraying quality of your nozzles.



Water sensitive paper		
Reference	Paper size	Quantity per pack
039 547	3''x1''	50 cards

TAM MISTING ACCESSORIES







Female nozzle holders 1/8 inch for the ends of line utilization with nylon tube 3/8 inch. Lightweight and easy to assemble.



Male connector / male 1/8 inch NPT



The butterfly nut 3/8 inch is an essential accessory to fix and close the tube during the assembly of nozzle expansions.



Butterfly caps 3/8 inch are used for the end of line closure.



Cap 1/8 inch NPT

Enables a fast and safe installation without using seals.



Medium pressure nylon tube 3/8 inch

(up to 430 psi)

Flexible and resistant to bending.



T lead connector

Has a female thread 1/8 inch and pipe connectors 3/8 inch. Lightweight and easy to assemble.



T lead connector

Connectors for pipes 3/8 inch. Lightweight and easy to assemble.

Find our range on www.greenleaftech.com

SPRAYER CALIBRATION

FIELD CROP SPRAYERS

Required pressure (psi) =

$$\left(\frac{\textbf{Required output} \text{ (gpm)}}{\textbf{Known output} \text{ (gpm)}}\right)^2 \times \textbf{Known pressure} \text{ (psi)}$$

Application volume (gpa) =

$$\frac{\textbf{5.940 x gpm (per nozzle)}}{\textbf{Nozzle spacing} \text{ (inch) x mph}}$$

Application volume (gal/sqft) =

$$\frac{\textbf{136 x gpm (per nozzle)}}{\textbf{Nozzle spacing} \text{ (inch) x mph}}$$

Nozzle output (gpm) per nozzle =

$$\frac{\text{Nozzle spacing (inch) } \textbf{x gpa x mph}}{\textbf{5.940}}$$

AIR ASSISTED SPRAYERS

Determining nozzle size

To determine the total application volume of the nozzles, you first have to establish the speed of the sprayers and the gallons per acre from the chemical manufacturers recommendations on the product label

$$\textbf{TOTAL GPM} = \frac{\textbf{Row width (ft) x gpa x mph}}{\textbf{495}}$$

This amount has to be divided between all the nozzles in function on the sprayer.

CONVERSION FACTORS

	Pressure	Flow rate	Volume	Length	Speed
Unit	1 bar	1 l/min	1 l/hac	1 cm	1 km/h
US metrics	14.51 PSI	0.26 GPM	0.11 GPA	0.39 inch	0.62 mille/h



NOZZLE CROSS-REFERENCE CHART

LIQUID FERTILIZERS

Flow rate charts in this catalogue are based on clean water. In order to determine the volume of liquid fertilizer per acre, use the appropriate conversion factor so as to adapt it to our flow rate charts. Multiply the required flow rate of liquid (in gpa) by the conversion factor of water. The new flow rate obtained in gpa will be found in the flow rate chart; from that value one can find the appropriate nozzle.

For example: 40 gpa of nitrogen solution of 28% N : 40 gpa * 1.13 = 45.2 gpa (water)

Specific Gravity	Conversion factor
1.00 - WATER	1.00
1.08	1.04
1.20	1.10
1.28 - NITROGEN	1.13

ALBUZ	agrotop	HYPRO	LECHLER	TeeJet	
AXI 80°/110°	SPRAY MAX	VPC	LU-C	XR	
ADI 110°		LDC	AD-C	DG	
CVI 110°	AIRMIX	GAC	IDKC	AIXR	
CVI-OC 80°	AIRMIX OC		IDKS		
CVI-TWIN 110°		GATC			
AVI 110°	TURBODROP	DB	ID3C	AI	
AVI-OC 80°			IS	AIUB	
AVI-TWIN 110°	HiSpeed	TWC + DB (x2)		TIJ	
ATR 80°		HCX	TR	TRX	
ATR 60°					
TVI 80°	AIRMIX HC	IHCC	ITR	AITXB	
ATI 80°		HCC		TXB	
ATI 60°					
ATF 80°					
ESI EXA		FCHESI	FL	SJ7	SJ3
MSI	DT			TF	
MVI			FT	TK	

Plastics - Ceramics - Stainless steel

THE RIGHT TO MAKE TECHNICAL AND DESIGN MODIFICATIONS IN THE COURSE OF CONTINUOUS PRODUCT DEVELOPMENT REMAINS RESERVED.

ALBUZTEC

UAS - Ceramic nozzle



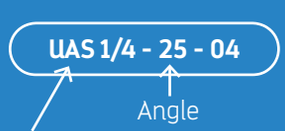
High impact pressure cleaning nozzles





10X'S THE LIFE OVER STAINLESS !

HOW TO SELECT YOUR NOZZLE



FLOW RATE CHART

SPRAY NOZZLE SIZE	FLOW RATE (US GPM) - PRESSURE (PSI)												
	800	900	1000	1200	1500	1800	2000	2500	3000	3500	4000	4500	5000
015	0.67	0.71	0.75	0.82	0.92	1.01	1.06	1.19	1.30	1.40	1.50	1.59	1.68
02	0.89	0.95	1.00	1.10	1.22	1.34	1.41	1.58	1.73	1.87	2.00	2.12	2.24
025	1.12	1.19	1.25	1.37	1.53	1.68	1.77	1.98	2.17	2.34	2.50	2.65	2.80
03	1.34	1.42	1.50	1.64	1.84	2.01	2.12	2.37	2.60	2.81	3.00	3.18	3.35
035	1.57	1.66	1.75	1.92	2.14	2.35	2.47	2.77	3.03	3.27	3.50	3.71	3.91
04	1.79	1.9	2.00	2.19	2.45	2.68	2.83	3.16	3.46	3.74	4.00	4.24	4.47
045	2.01	2.13	2.25	2.46	2.76	3.02	3.18	3.56	3.90	4.21	4.50	4.77	5.03
05	2.24	2.37	2.50	2.74	3.06	3.35	3.54	3.95	4.33	4.68	5.00	5.3	5.59
055	2.46	2.61	2.75	3.01	3.37	3.69	3.89	4.35	4.76	5.14	5.50	5.83	6.15
06	2.68	2.85	3.00	3.29	3.67	4.02	4.24	4.74	5.20	5.61	6.00	6.36	6.71
065	2.91	3.08	3.25	3.56	3.98	4.36	4.60	5.14	5.63	6.08	6.50	6.89	7.27
07	3.13	3.32	3.50	3.83	4.29	4.7	4.95	5.53	6.06	6.55	7.00	7.42	7.83
08	3.58	3.79	4.00	4.38	4.90	5.37	5.66	6.32	6.93	7.48	8.00	8.49	8.94
09	4.02	4.27	4.50	4.93	5.51	6.04	6.36	7.12	7.79	8.42	9.00	9.55	1.06
10	4.47	4.74	5.00	5.48	6.12	6.71	7.07	7.91	8.66	9.35	9.90	1.61	11.18
12	5.37	5.69	6.00	6.57	7.35	8.05	8.49	9.49	1.39	11.22	11.90	12.73	13.42

AVAILABLE CONFIGURATIONS

	015	020	025	030	035	040	045	050	055	060	065
0°*		✔	✔	✔	✔	✔	✔	✔	✔	✔	
15°	✔		✔			✔	✔	✔	✔	✔	
25°	✔					✔	✔	✔	✔	✔	✔
40°						✔	✔	✔	✔	✔	

✔ available models * straight line

- Ceramic insert provides up to 10x the life of hardened stainless steel, maximizing your return on investment and decreasing downtime for nozzle replacement.
- Extra long-life ceramic orifice is nearly diamond-hard to resist wear.
- Molded ceramic virtually eliminates chemical and mineral buildup in the orifice area.
- The U-shaped outlet provides a high-impact spray without additional inserts.
- Wedge-shaped orifice insert seals tightly as spray pressures increase.
- Precision-machined stainless steel carriers resist corrosion and damage.
- High quality components easily withstand wash pressures of 800 to 5000 psi (155-345 BAR].
- 1/4 inch NPT connection fits all common applications.
- Permanent laser-etched part number markings ease identification.
- Comes in spray angles of 0°, 15° , 25° , 40°

ALBUZ®

Leader in ceramic spray nozzles



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