

ALBUZ[®]

Spray nozzles

**Leaders in ceramic
spray nozzles**



**PRECISION
RESISTANCE
EFFICACY
LONGEVITY**



ALBUZ®

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 was awarded ISO 9001 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 spraying nozzles for the agriculture industry. Millions of farmers across 45 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;
- ▶ Plastics.

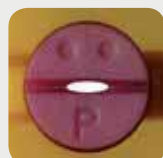
We guarantee a high spray quality and excellent flow rate precision, which allows our nozzles to be certified in numerous countries.

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

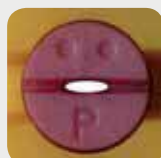


COMPARATIVE WEAR TEST

Ceramic Nozzle

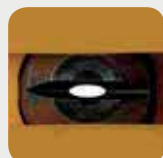


Before

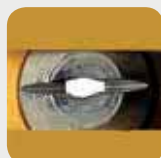


After 50 h

Stainless steel Nozzle

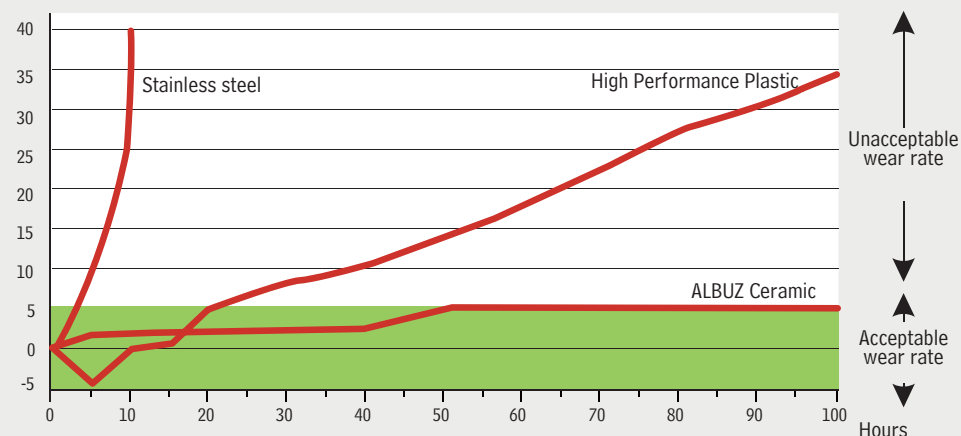


Before



After 50 h

% Variation in flow rate(*)



(*) Flow rate variation due to wear in %

Test in accordance with NFU.26.110 equivalent to ISO 5682-1

NOZZLE TECHNOLOGY 4

Choice of nozzles
Spray coverage
Certification
How to read the flow rate charts

THE NOZZLE RANGE 8

Selecting your nozzles

LOW CROPS

APE: standard flat spray nozzle.....	10
ADE: Drift reduction nozzle.....	11
AXI: Wide range flat spray nozzle	12
ADI: drift reduction flat fan nozzle.....	13
CVI: Low pressure anti-drift flat fan nozzle.....	14
CVI TWIN : anti-drift flat spray nozzle air induction low pressure.....	15
AVI 110°: anti-drift flat fan nozzle	16
AVI TWIN: bi-jet anti-drift venturi	17

ORCHARD / VINEYARD

ATR 80°: Hollow cone nozzle	18
ATR 60°: Hollow cone nozzle.....	19
ATI 80°: ISO Hollow cone nozzle.....	20
ATI 60°: ISO Hollow cone nozzle.....	21
TVI: Hollow cone anti-drift venturi	22
DISC & CORE: Ceramic hollow-cone nozzle.....	23
AVI 80°: anti-drift air induction flat spray.....	24
CVI 80°: anti-drift air induction flat spray.....	25

OTHER APPLICATIONS

APM: Wide angle flat nozzle	26
MVI: anti-drift flood nozzle air injected ceramic.....	27
EXA: 3 jets nozzle.....	28
ESI: 6 jets nozzle.....	29
OCI: Off center nozzle.....	30
AVI OC: Air injected off center nozzle.....	31
AMT: Metering Disc.....	32

VARIOUS COMPONENTS 33

Nozzle blister packaging
Water sensitive paper
Cleaning brush

TECHNICAL INFORMATION 34

Sprayer calibration
Conversion factors
Filters
Liquid fertilizer
Nozzle cross reference chart



NOZZLE TECHNOLOGY

SPRAYING QUALITY

The objective of an agrochemical treatment is to reach a biological efficiency 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 efficiency 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.

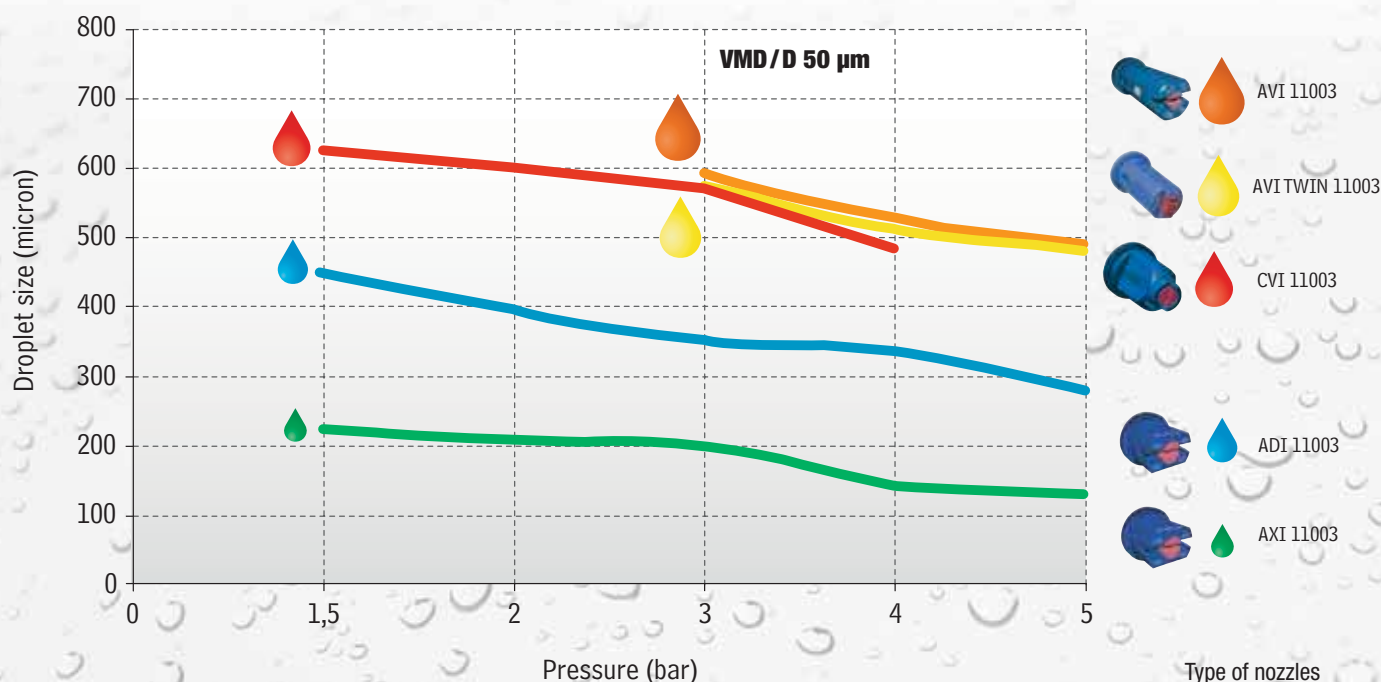
DROPLET SIZE

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.

DROPLET SIZE COMPARISON: 03 SIZE NOZZLE



NOZZLE TECHNOLOGY

CHOICE OF NOZZLES

COORS^{TEK} | ALBUZ
Amazing Solutions™

SPRAYING QUALITY

Classification of droplet sizes

The nozzle "spray quality" is divided into 6 categories, of which 4 main ones :

- **Fine:** (e.g. AXI) nozzles which produce fine droplets are more often recommended
- **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.

DROPLET SIZE SPRAYED BY NOZZLES ACCORDING TO THE SPRAYING PRESSURE

bar	CVI 110°					
	GREEN 110015	YELLOW 11002	LILAC 110025	BLUE 11003	RED 11004	BROWN 11005
1,5	C	C	C	C	C	C
2	C	C	C	C	C	C
3	M	C	VC	VC	VC	VC

bar	AXI 110°						
	GREEN 110015	YELLOW 11002	LILAC 110025	BLUE 11003	RED 11004	BROWN 11005	GREY 11006
1.5	F	F	M	M	M	M	C
2	F	F	F	M	M	M	M
3	F	F	F	M	M	M	M
4	VF	F	F	F	M	M	M

bar	AXI 80°						
	GREEN 80015	YELLOW 8002	LILAC 80025	BLUE 8003	RED 8004	BROWN 8005	GREY 8006
1.5	F	F	M	M	M	M	M
2	F	F	F	M	M	M	M
3	F	F	F	M	M	M	M
4	VF	F	F	F	F	M	M

bar	ADI 110°					
	ORANGE 11001	GREEN 110015	YELLOW 11002	LILAC 110025	BLUE 11003	RED 11004
2	M	M	M	M	C	VC
3	M	M	M	M	M	C
4	F	M	M	M	M	C

bar	AVI 110°									
	ORANGE 11001	GREEN 110015	YELLOW 11002	LILAC 110025	BLUE 11003	RED 11004	BROWN 11005	GREY 11006	WHITE 11008	LIGHT BLUE 11010
3	VC	VC	VC	VC	XC	XC	XC	XC	XC	XC
4	C	C	C	C	C	VC	XC	XC	XC	XC
5	C	C	C	C	C	VC	VC	XC	XC	XC

bar	TVI 80°				
	PURPLE 800050	PINK 800075	GREEN 80015	YELLOW 8002	LILAC 80025
5	XC	XC	XC	XC	XC
10	C	C	C	XC	XC
15	C	C	C	VC	VC

bar	ATR 80°									
	WHITE	LILAC	BROWN	YELLOW	ORANGE	RED	GREY	GREEN	BLACK	BLUE
3	VF	VF	VF	F	F	F	F	F	F	M
5	VF	VF	VF	VF	VF	F	F	F	F	M
7	VF	VF	VF	VF	VF	VF	F	F	F	F
10	VF	VF	VF	VF	VF	VF	VF	VF	F	F
15	VF	VF	VF	VF	VF	VF	VF	VF	VF	F
20	VF	VF	VF	VF	VF	VF	VF	VF	VF	F

LEGEND

- VF Very fine
- F Fine
- M Medium
- C Coarse
- VC Very coarse
- XC Extremely coarse

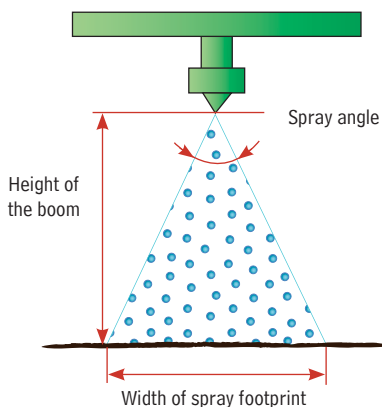
bar	AVI TWIN 110°							
	ORANGE 11001	GREEN 110015	YELLOW 11002	LILAC 110025	BLUE 11003	RED 11004	BROWN 11005	GREY 11006
3	XC	XC	XC	XC	XC	XC	XC	XC
4	XC	XC	XC	XC	XC	XC	XC	XC
5	C	C	C	VC	VC	VC	VC	XC

bar	DISC & CORE						
	AD1/AC13	AD2/AC25	AD2/AC46	AD3/AC13	AD3/AC25	AD4/AC45	AD5/AC45
1,5	VF	VF	VF	VF	VF	F	F
2	VF	VF	VF	VF	VF	VF	VF
3	VF	VF	VF	VF	VF	VF	VF

NOZZLE TECHNOLOGY

NOZZLE CHOICE: SPEED OF WIND

Anti drift with air injection e.g. : AVI	With Compression chamber e.g. : ADI	Wide range of pressures e.g. : AXI	Normals e.g. : APE	Wind speed in mph (Takes into account the speed of the tractor in function of the direction of the wind)	Looking around us, one observes (Beaufort scale)	
				0	Nothing moves	
				0 - 0.6	Smoke rises straight up	
				0.6 - 3	Smoke shows the direction of wind	
				4 - 6	We feel the wind on our face and hear the rustle of leaves	
					7 - 9	Leaves and twigs constantly in movement, flags flutter
				10 - 12		
				13 - 17	Papers, dust and sand blow about	
				18 - 23	Pine branches sway	
				24 - 30	Electric wires whistle	
				31 - 38	It is difficult to walk against the wind	



LEGEND

No overlap

10

double overlap

10

triple overlap

quadruple overlap

10

quintuple overlap

10

HEIGHT OF BOOMS

	Nozzle spacing 0.50 m	
	80°	110°
Minimum height	0.80 m	0.40 m
Double overlap A	0.60 m	0.35 m
Triple overlap B	0.90 m	0.70 m
Maximum height	1.20 m	0.80 m



SPRAY COVERAGE

The chart below indicates the theoretical overlap of spray patterns. The theoretical width of nozzle spray is determined by the spray angle and by the nozzle height above the target. Considering the effect of earth gravity, the higher the nozzle above the target, the narrower the spray footprint of each nozzle, in relation to the theoretical footprint on the table below.

[illegible]

NOZZLE TECHNOLOGY

COORS^{TEK} | ALBUZ
Amazing Solutions™

CERTIFICATION

Some European countries have spraying regulations which require sensitive areas to be protected by untreated "buffer zones", in order to reduce the risks from spray drift.

Spray drift comprises those fine droplets which do not reach the target. The finest droplets (smaller than 100 µm) are the most susceptible to drift from the effect of the wind or other influences.

Drift can have hazardous consequences on:

- ▶ Water contamination;
- ▶ Human and animal health;
- ▶ Nearby vegetation.

ALBUZ® nozzles are certified in France, the United Kingdom, Germany, Belgium and the Netherlands. Please visit our web site to find out the list of our nozzles per country.

ISO and CEN standards specify tolerances on nozzle flow and on spray patternation, to help achieve a precise agrochemical application.

The flow of nozzles (low crops) may vary by +/- 10% maximum of the flow values indicated in the table, but they should vary by only +/-5% of the average value.

In relation to the patternation, this must give a coefficient of variation of less than 7% at a nozzle height specified by the manufacturer, and less than 9% for nozzle above and below that height.



HOW TO READ FLOW RATE CHARTS

The flow tables are set out as follows: read the sprayer speed to be used, and follow the column down to the desired application rate in gallons per acre. Then follow this row to the left, and you will find the required spraying pressure and the nozzle to be used.

Sprayer speed

Colour	Code ISO		(bar)	l / mn	Litres / hectare - nozzle spacing: 50 cm								
					6 km / h	7 km / h	8 km / h	9 km / h	10 km / h	12 km / h	14 km / h	16 km / h	18 km / h
GREEN	CVI 110015	80 Mesh	1.5	0.42	84	72	63	56	50	42	36	32	28
			2	0.49	98	84	74	65	59	49	42	37	33
			2.5	0.54	108	93	81	72	65	54	46	41	36
			3	0.60	120	103	90	80	72	60	51	45	40
YELLOW	CVI 11002	80 Mesh	1.5	0.57	114	98	86	76	68	57	49	43	38
			2	0.66	132	113	99	88	79	66	57	50	44
			2.5	0.73	146	125	110	97	88	73	63	55	49
			3	0.80	160	137	120	107	96	80	69	60	53
LILAC	CVI 110025	50 Mesh	1.5	0.71	142	122	107	95	85	71	61	53	47
			2	0.82	164	141	123	109	98	82	70	62	55
			2.5	0.91	182	156	137	121	109	91	78	68	61
			3	1.00	200	171	150	133	120	100	86	75	67

Nozzle to be selected

EXAMPLE

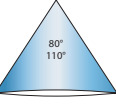
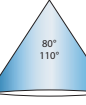
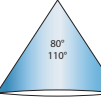
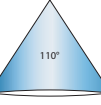
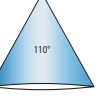
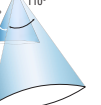
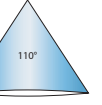
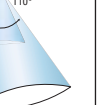
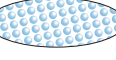
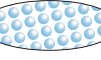
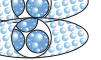
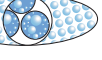
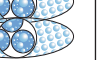
If you want a volume of 100 l/ha, at a working speed of 10 km/h, the nozzle to be used will be a lilac 110025 nozzle at 2 bars.



THE NOZZLE RANGE

SELECTING YOUR NOZZLES **ALBUZ**

Large - scale farming

LOW CROPS: FLAT NOZZLES									
TYPE OF NOZZLES		AXI WIDE RANGE FLAT SPRAY NOZZLE	FAST CAP AXI FLAT NOZZLE WITH CAP	APE FLAT SPRAY NOZZLE STANDARD	ADI DRIFT REDUCTION FLAT FAN NOZZLE	CVI LOW PRESSURE ANTI-DRIFT FLAT FAN NOZZLE	CVI-TWIN ANTI-DRIFT FLAT SPRAY NOZZLE AIR INDUCTION LOW PRESSURE	AVI 110 ANTI-DRIFT FLAT FAN NOZZLE	AVI-TWIN BI-JET ANTI-DRIFT VENTURI
									
SPRAY PATTERN									
DROPLETS SIZE CHARACTERISTICS									
DRIFT HAZARDS		Medium	Medium	Medium	Low	Very Low	Medium	Very Low	Medium
PRESSURE RANGE		1,5 - 2 bar	1,5 - 2 bar	2 - 3 bar	2 - 3 bar	1,5 - 3 bar	1,5 - 3 bar	3 - 5 bar	3 - 5 bar
HERBICIDES	Incorporated treatment	Good	Good	Good	Very Good	Very Good	Very Good	Very Good	Very Good
	Taken	Very Good*	Very Good*	Very Good*	Very Good	Good	Good	Good	Good
	Contact	Good	Good	Good	Very Good	Good	Very Good	Good	Very Good
	Systemic	Very Good*	Very Good*	Very Good*	Very Good	Very Good	Very Good	Very Good	Very Good
FUNGICIDES	Contact	Very Good*	Very Good*	Very Good*	Very Good	Good	Very Good	Good	Very Good
	Systemic	Very Good*	Very Good*	Very Good*	Very Good	Very Good	Very Good	Very Good	Very Good
INSECTICIDES	Contact	Very Good*	Very Good*	Very Good*	Very Good	Good	Very Good	Good	Very Good
	Systemic	Very Good*	Very Good*	Very Good*	Very Good	Very Good	Very Good	Very Good	Very Good
LIQUID FERTILIZER		Good	Good	Good	Good	Very Good	Good	Very Good	Good

* for a low pressure

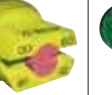
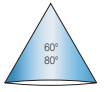
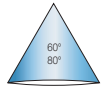
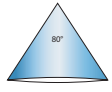
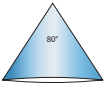
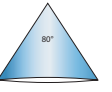
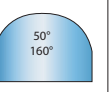
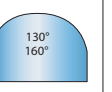
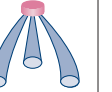
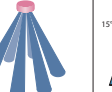
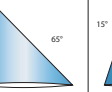
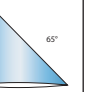
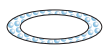
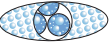
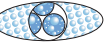
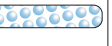
THE NOZZLE RANGE

ALBUZ®

SELECTING YOUR NOZZLES

Orchard/vineyard
& other applications

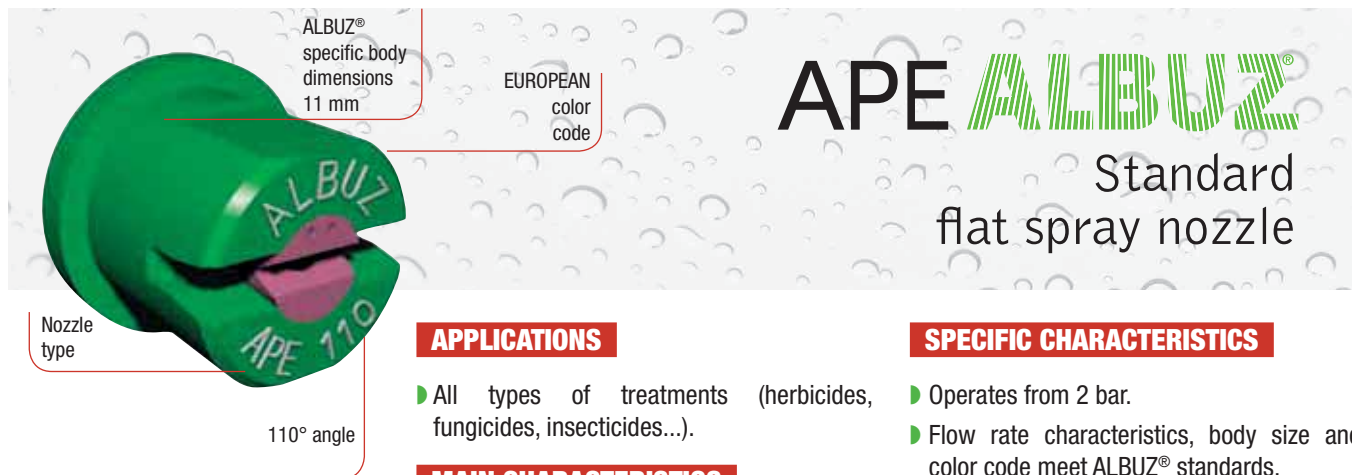
COORSTEK
Amazing solutions™

ORCHARD/VINEYARD: HOLLOW CONE AND FLAT NOZZLES					OTHER APPLICATIONS					
ATR 60 ATR 80 HOLLOW CONE NOZZLE	ATI 60 ATI 80 HOLLOW CONE NOZZLE	TVI HOLLOW CONE ANTI-DRIFT VENTURI	CVI 80 ANTI-DRIFT AIR INDUCTION FLAT SPRAY	AVI 80 ANTI-DRIFT AIR INDUCTION FLAT SPRAY	APM WIDE ANGLE FLAT NOZZLE	MVI ANTI-DRIFT FLOOD NOZZLE AIR INJECTED CERAMIC	EXA 3 JETS NOZZLE	ESI 6 JETS NOZZLE	OCI OFF CENTER NOZZLE	AVI-OC AIR INJECTED OFF CENTER NOZZLE
										
										
										
High	High	Medium	Medium	Medium	Low	Very Low	Very Low	Very Low	Medium	Very Low
5 - 20 bar	5 - 20 bar	10 - 16 bar	10 - 20 bar	10 - 20 bar	1 - 3 bar	1.5 - 4 bar	1 - 3 bar	1.2 - 4 bar	2 - 4 bar	3 - 5 bar
					Very Good	Very Good			Good	Very Good
					Very Good	Very Good			Good	Very Good
Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Good			Good	Good
Good	Good	Good	Good	Good	Good				Good	Very Good
Very Good	Very Good	Very Good	Very Good	Very Good					Very Good*	Good
					Very Good	Good			Good	Very Good
Very Good	Very Good	Very Good	Very Good	Very Good					Very Good*	Good
						Good			Good	Very Good
Good	Good	Good	Good	Good	Very Good	Very Good	Very Good	Very Good	Good	Very Good

LOW CROPS

EUROPE

COORSTEK
Amazing Solutions.



APE ALBUZ®

Standard flat spray nozzle

APPLICATIONS

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

MAIN CHARACTERISTICS

- Pink ALBUZ® ceramic orifice (excellent precision and high wear resistance).
- Flat fan pattern angle 80° or 110°: spray overlap required to ensure uniform distribution on the ground.
- Designed for all types of nozzle holders using caps which accept nozzles measuring 11 mm across flats.

SPECIFIC CHARACTERISTICS

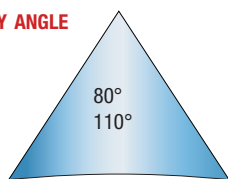
- Operates from 2 bar.
- Flow rate characteristics, body size and color code meet ALBUZ® standards.
- Produces medium-sized droplets.
- **Minimum height boom recommended: 50/60 cm (110°) and 80/90 cm (80°).**
- **Recommended pressure: 2 bar.**

PRESSURE RANGE

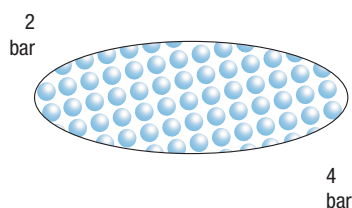


from 2
to 4 bar

SPRAY ANGLE



DROPLET SPECTRUM



FLOW RATE CHART

colour	(bar)	F	l/mn	Litres / hectare - nozzle spacing: 50 cm							
				8 km/h	10 km/h	12 km/h	14 km/h	16 km/h	18km/h	20km/h	22km/h
YELLOW	2	F	0,49	74	59	49	42	37	33	30	27
	2,5	F	0,55	83	66	55	47	42	37	33	31
	3	F	0,61	91	73	61	52	45	40	36	33
	3,5	F	0,65	98	79	65	56	49	44	39	36
	4	VF	0,70	105	84	70	60	53	47	42	38
ORANGE	2	F	0,69	104	83	69	59	52	46	42	38
	2,5	F	0,77	116	93	77	66	58	52	46	43
	3	F	0,85	127	102	85	73	64	57	51	46
	3,5	F	0,92	138	110	92	79	69	61	55	50
	4	F	0,98	147	118	98	84	74	65	59	53
RED	2	F	0,99	148	119	99	85	74	66	59	54
	2,5	F	1,11	166	133	111	95	83	74	66	60
	3	F	1,21	182	145	121	104	91	81	73	66
	3,5	F	1,31	196	157	131	112	98	87	79	71
	4	F	1,40	210	168	140	120	105	93	84	76
GREEN	2	F	1,40	210	168	140	120	105	93	84	76
	2,5	F	1,57	235	188	157	134	117	104	94	85
	3	F	1,71	257	206	171	147	129	114	103	93
	3,5	F	1,85	278	222	185	159	139	123	111	101
	4	F	1,98	297	238	198	170	149	132	119	107
TURQUOISE	2	M	1,69	253	203	169	145	127	113	101	92
	2,5	F	1,89	283	227	189	162	142	126	113	103
	3	F	2,07	310	248	207	177	155	138	124	113
	3,5	F	2,24	335	268	224	192	168	149	134	122
	4	F	2,39	359	287	239	205	179	159	143	130
BLUE	2	M	1,98	297	238	198	170	148	132	119	108
	2,5	M	2,21	332	266	221	190	166	148	133	121
	3	F	2,42	364	291	242	208	182	162	145	132
	3,5	F	2,62	394	314	262	224	196	175	157	142
	4	F	2,80	420	336	280	240	210	187	168	152
GREY	2	C	2,79	418	334	279	239	209	186	167	152
	2,5	M	3,11	467	374	311	267	234	208	187	170
	3	M	3,41	512	409	341	292	256	227	205	186
	3,5	M	3,69	553	442	369	316	276	246	221	201
	4	F	3,94	591	473	394	338	296	263	236	215
BLACK	2	C	3,95	592	473	395	338	296	263	237	215
	2,5	C	4,41	662	529	441	378	331	294	265	241
	3	C	4,83	725	580	483	414	362	322	290	263
	3,5	M	5,22	783	626	522	447	391	348	313	285
	4	M	5,58	837	670	558	478	419	372	335	304
IVORY	2	VC	5,61	842	674	561	481	421	374	337	307
	2,5	C	6,28	942	753	628	538	471	418	377	343
	3	C	6,88	1031	825	688	589	516	458	413	375
	3,5	C	7,43	1114	891	743	637	557	495	446	405
	4	C	7,94	1191	953	794	681	596	529	476	433
WHITE	2	VC	7,82	1188	950	792	679	594	528	475	432
	2,5	VC	8,85	1328	1063	885	759	664	590	531	483
	3	C	9,70	1455	1164	970	831	727	647	582	529
	3,5	C	10,48	1571	1257	1048	898	786	698	629	572
	4	C	11,20	1680	1344	1120	960	840	747	672	611

ALBUZ® ADE

Drift reduction nozzle

ALBUZ®
specific body
dimensions
11 mm

EUROPE
color
code

110°
angle

Nozzle
type



APPLICATIONS

- ▶ All types of treatment (herbicides, fungicides, insecticides...)

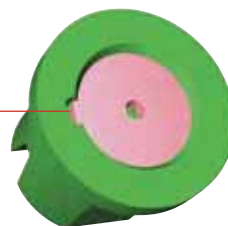
MAIN CHARACTERISTICS

- ▶ Pink ALBUZ® ceramic orifice (excellent precision and high wear resistance).
- ▶ Flat fan pattern angle 110°: spray overlap required to ensure uniform distribution on the ground.
- ▶ Designed for all types of nozzle holders using caps which accept nozzles measuring 11 mm across flats.
- ▶ Drift reduction.

SPECIFIC CHARACTERISTICS

- ▶ Operates from 2 bar.
- ▶ Flow rate characteristics, body size and color code meet ALBUZ® standards.
- ▶ Drift reduction nozzle reduces by 50% the number of small droplets (<100µm).
- ▶ Easy to dismantle and clean.
- ▶ **Minimum height boom recommended: 50/60 cm.**
- ▶ **Recommended pressure: 2 bar.**

Easy
to dismantle
and clean



FLOW RATE CHART

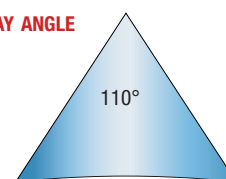
Colour		(bar)		l/mn	Litres / hectare - nozzle spacing: 50 cm								
					8 km / h	10 km / h	12 km / h	14 km / h	16 km / h	18 km / h	20 km / h	22 km / h	24 km / h
BROWN	100 Mesh	2	M	0,35	53	42	35	30	26	23	21	19	18
		2,5	M	0,39	59	47	39	33	29	26	23	21	20
		3	M	0,43	65	52	43	37	32	29	26	23	22
		3,5	F	0,47	71	56	47	40	35	31	28	25	23
		4	F	0,50	75	60	50	43	38	33	30	27	25
YELLOW	100 Mesh	2	M	0,49	74	59	49	42	37	33	30	27	25
		2,5	M	0,55	83	66	55	47	42	37	34	31	28
		3	M	0,61	91	73	61	52	45	41	37	33	31
		3,5	M	0,65	98	79	65	56	49	44	40	36	33
		4	M	0,70	105	84	70	60	53	47	42	38	35
ORANGE	50 Mesh	2	M	0,69	104	83	69	59	52	46	41	38	35
		2,5	M	0,77	116	93	77	66	58	52	47	43	39
		3	M	0,85	127	102	85	73	64	57	51	46	43
		3,5	M	0,92	138	110	92	79	69	61	55	50	46
		4	M	0,98	147	118	98	84	74	65	59	53	49
RED	50 Mesh	2	C	0,99	148	119	99	85	74	66	59	54	50
		2,5	M	1,11	166	133	111	95	83	73	66	60	55
		3	M	1,21	182	145	121	104	91	81	73	66	61
		3,5	M	1,31	196	157	131	112	98	87	79	71	66
		4	M	1,40	210	168	140	120	105	93	84	76	70
GREEN	50 Mesh	2	VC	1,40	210	168	140	120	105	93	84	76	70
		2,5	C	1,57	235	188	157	134	117	104	94	85	78
		3	C	1,71	257	206	171	147	129	114	103	93	86
		3,5	C	1,85	278	222	185	159	139	123	111	101	93
		4	C	1,98	297	238	198	170	149	131	118	107	99

PRESSURE RANGE



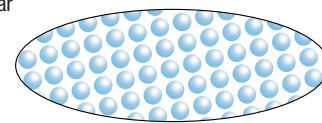
from 2
to 4 bar

SPRAY ANGLE



DROPLET SPECTRUM

2
bar

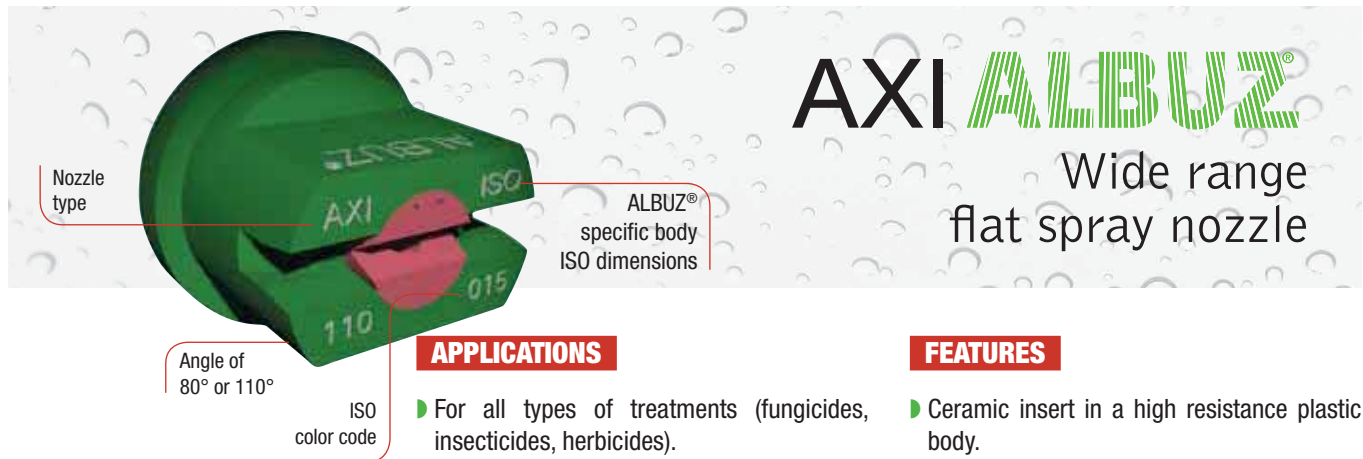


4
bar

LOW CROPS

ISO

COORSTEK
Amazing Solutions



AXI ALBUZ®

Wide range flat spray nozzle

APPLICATIONS

- For all types of treatments (fungicides, insecticides, herbicides).
- Designed to be used over a wide range of pressures (from 1.5 to 3 bar).
- Recommended for use at low pressure (around 1.5 bar) for low volume applications and spray drift reduction (bigger droplets).
- May be used at higher pressure (above 2.5 bar) to improve target coverage (finer droplets).
- Excellent for sprayers equipped with automated flow rate controllers (pressure changes do not affect the spray distribution).

FEATURES

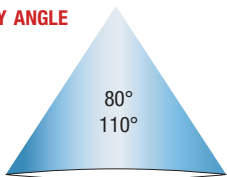
- Ceramic insert in a high resistance plastic body.
- Adapted to any brand of sprayer.
- Flow rate characteristics, body size and colour code meet international ISO standards.
- Flat fan pattern, droplet size vary according to pressure.
- Minimum boom height recommended: 50/60 cm (110°) and 80/90 cm (80°).**
- Recommended pressure: 1,5 to 2 bar.**

PRESSURE RANGE

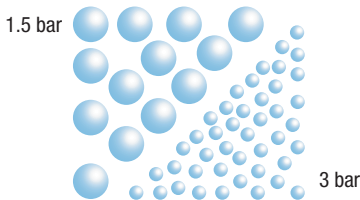


from 1.5
to 3 bar

SPRAY ANGLE



DROPLET SPECTRUM

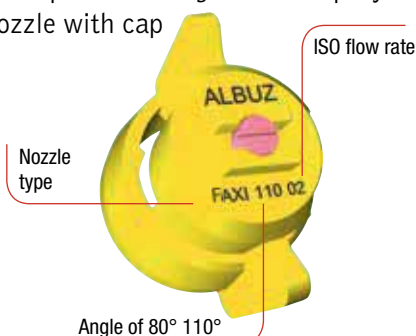


FLOW RATE CHART

colour	ISO code		(bar)	80°	110°	l / mn	Litres / hectare - nozzle spacing: 50 cm								
							8 km/h	9 km/h	10 km/h	12 km/h	14 km/h	16 km/h	18 km/h	22 km/h	24 km/h
GREEN	AXI 110015 80015	100 Mesh	1,5	F	F	0,42	63	56	50	42	36	32	28	23	21
			2	F	F	0,49	74	65	59	49	42	37	33	27	25
			2,5	F	F	0,54	81	72	65	54	46	41	36	30	28
			3	F	F	0,60	90	80	72	60	51	45	40	33	30
			3,5	F	F	0,64	96	85	77	64	55	48	43	35	33
YELLOW	AXI 11002 8002	100 Mesh	4	VF	VF	0,69	104	92	83	69	59	52	46	38	35
			1,5	F	F	0,56	84	75	67	56	48	42	37	31	29
			2	F	F	0,66	99	88	79	66	57	50	44	35	33
			2,5	F	F	0,73	110	97	88	73	63	55	49	40	37
			3	F	F	0,80	120	107	96	80	69	60	53	44	40
LILAC	AXI 110025 80025	50 Mesh	3,5	F	F	0,86	129	115	103	86	74	65	57	47	43
			4	F	F	0,91	137	121	109	91	78	68	61	50	46
			1,5	M	M	0,71	107	95	85	71	61	53	47	39	36
			2	F	F	0,82	123	109	98	82	70	62	55	45	41
			2,5	F	F	0,91	137	121	109	91	78	68	61	50	46
BLUE	AXI 11003 8003	50 Mesh	3	F	F	1,00	150	133	120	100	86	75	67	55	50
			3,5	F	F	1,08	162	144	130	108	93	81	72	59	54
			4	F	F	1,15	173	153	138	115	99	86	77	63	58
			1,5	M	M	0,85	128	113	102	85	73	64	57	46	43
			2	M	M	0,98	147	131	118	98	84	74	65	53	49
RED	AXI 11004 8004	50 Mesh	2,5	M	M	1,10	165	147	132	110	94	83	73	60	55
			3	M	M	1,20	180	160	144	120	103	90	80	65	60
			3,5	F	F	1,30	195	173	156	130	111	98	87	71	65
			4	F	F	1,39	209	185	167	139	119	104	93	76	70
			1,5	M	M	1,13	170	151	136	113	97	85	75	62	57
BROWN	AXI 11005 8005	50 Mesh	2	M	M	1,31	197	175	157	131	112	98	87	71	66
			2,5	M	M	1,46	219	195	175	146	125	110	97	80	73
			3	M	M	1,60	240	213	192	160	137	120	107	87	80
			3,5	M	M	1,73	260	231	208	173	148	130	115	94	87
			4	F	F	1,85	278	247	222	185	159	139	123	101	93
GREY	AXI 11006 8006	50 Mesh	1,5	M	M	1,41	212	188	169	141	121	106	94	77	71
			2	M	M	1,63	245	217	196	163	140	122	109	89	82
			2,5	M	M	1,82	273	243	218	182	156	137	121	100	92
			3	M	M	2,00	300	267	240	200	171	150	133	109	100
			3,5	M	M	2,16	324	288	259	216	185	162	144	118	108
WHITE	AXI 11008 8008	50 Mesh	4	M	M	2,30	345	307	276	230	197	173	153	126	116
			1,5	M	C	1,70	255	227	204	170	146	128	113	93	85
			2	M	M	1,96	294	261	235	196	168	147	131	107	98
			2,5	M	M	2,19	329	292	263	219	188	164	146	119	110
			3	M	M	2,40	360	320	288	240	206	180	160	131	120
			3,5	M	M	2,59	389	345	311	259	222	194	173	141	130
			4	M	M	2,77	416	369	332	277	237	208	185	151	139
			1,5	C	C	2,26	339	301	271	226	194	170	151	123	113
			2	C	C	2,61	392	348	313	261	224	196	174	142	131
			2,5	C	C	2,92	438	389	350	292	250	219	195	159	146
			3	C	C	3,20	480	427	384	320	274	240	213	175	160
			3,5	M	M	3,46	519	461	415	346	297	260	231	189	173
			4	M	M	3,70	555	493	444	370	317	278	247	202	185

available in FAST CAP

Wide pressure range flat fan spray nozzle with cap



ALBUZ® ADI 110°

Drift reduction flat fan nozzle

Nozzle
typeISO
body dimensions

110° angle

ISO
color
code

APPLICATIONS

- ▶ All types of treatment (herbicides, fungicides, insecticides...)

MAIN CHARACTERISTICS

- ▶ Pink ALBUZ® ceramic orifice (excellent precision and high wear resistance).
- ▶ Flat fan pattern angle 110°: spray overlap required to ensure uniform distribution on the ground.
- ▶ Designed for all types of nozzle holders with caps which accept nozzles to ISO dimensions (8 mm across flats).
- ▶ Drift reduction.

SPECIFIC CHARACTERISTICS

- ▶ Flow rate characteristics, body size and colour code meet international ISO standard.
- ▶ Drift reduction nozzle reduces by 50% the number of small droplets (<100µm).
- ▶ Easy to dismantle and clean.
- ▶ **Minimum height boom recommended: 50/60 cm.**
- ▶ **Recommended pressure: 2 bar.**

Easy
to dismantle
and clean

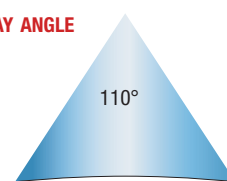
FLOW RATE CHART

colour	ISO code		(bar)		l / mn	Litres / hectare - nozzle spacing: 50 cm											
						6 km/h	7 km/h	8 km/h	9 km/h	10 km/h	12 km/h	14 km/h	16 km/h	18 km/h	20 km/h	22 km/h	24 km/h
ORANGE	ADI 11001	100 Mesh	2	M	0,32	64	55	48	43	38	32	27	24	21	19	18	17
			2,5	M	0,36	72	62	54	48	43	36	31	27	24	22	20	19
			3	M	0,40	80	69	60	53	48	40	34	30	27	24	22	20
			3,5	F	0,43	86	74	65	57	52	43	37	32	29	26	23	22
			4	F	0,46	92	79	69	61	55	46	39	35	31	28	25	23
GREEN	ADI 110015	100 Mesh	2	M	0,49	98	84	74	65	59	49	42	37	33	29	27	25
			2,5	M	0,54	108	93	81	72	65	54	46	41	36	32	30	28
			3	M	0,60	120	103	90	80	72	60	51	45	40	36	33	30
			3,5	M	0,64	128	110	96	85	77	64	55	48	43	38	35	33
			4	M	0,69	138	118	104	92	83	69	59	52	46	41	38	35
YELLOW	ADI 11002	100 Mesh	2	M	0,66	132	113	99	88	79	66	57	50	44	40	35	33
			2,5	M	0,73	146	125	110	97	88	73	63	55	49	44	40	37
			3	M	0,80	160	137	120	107	96	80	69	60	53	48	44	40
			3,5	M	0,86	172	147	129	115	103	86	74	65	57	52	47	43
			4	M	0,91	182	156	137	121	109	91	78	68	61	55	50	46
LILAC	ADI 110025	50 Mesh	2	M	0,82	164	141	123	109	98	82	70	62	55	49	45	41
			2,5	M	0,91	182	156	137	121	109	91	78	68	61	55	50	46
			3	M	1,00	200	171	150	133	120	100	86	75	67	60	55	50
			3,5	M	1,08	216	185	162	144	130	108	93	81	72	65	59	54
			4	M	1,15	230	197	173	153	138	115	99	86	77	69	63	58
BLUE	ADI 11003	50 Mesh	2	C	0,98	196	168	147	131	118	98	84	74	65	59	53	49
			2,5	M	1,10	220	189	165	147	132	110	94	83	73	66	60	55
			3	M	1,20	240	206	180	160	144	120	103	90	80	72	65	60
			3,5	M	1,30	260	223	195	173	156	130	111	98	87	78	71	65
			4	M	1,39	278	238	209	185	167	139	119	104	93	83	76	70
RED	ADI 11004	50 Mesh	2	VC	1,31	262	225	197	175	157	131	112	98	87	79	71	66
			2,5	C	1,46	292	250	219	195	175	146	125	110	97	88	80	73
			3	C	1,60	320	274	240	213	192	160	137	120	107	96	87	80
			3,5	C	1,73	346	297	260	231	208	173	148	130	115	104	94	87
			4	M	1,85	370	317	278	247	222	185	159	139	123	111	101	93

PRESSURE RANGE

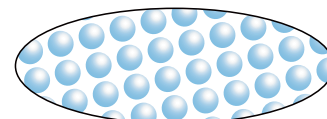
from 2
to 4 bar

SPRAY ANGLE



DROPLET SPECTRUM

2 bar



4 bar

LOW CROPS

ISO

COORSTEK
Amazing Solutions.



CVI 110° ALBUZ®

Low pressure
anti-drift flat fan nozzle

APPLICATIONS

- ▶ All types of treatment (systemic and contact products) including liquid fertilizers.
- ▶ Designed to be used over a wide range of pressures (from 1.5 to 3 bar).

MAIN CHARACTERISTICS

- ▶ Pink ALBUZ® ceramic orifice (excellent precision and high wear resistance).
- ▶ Flat fan pattern angle 110°. Wide angle flat spray: overlap required to ensure uniform distribution on the ground.
- ▶ Designed for all types of nozzle holders, using the same cap as ISO nozzles (for example: AXI).

SPECIFIC CHARACTERISTICS

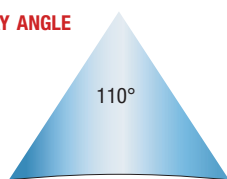
- ▶ Air induction spray nozzle (venturi system): sprays large drops filled with air bubbles which do not drift and which burst into fine droplets on contact with the plant.
- ▶ Almost totally eliminate drift, while increasing the number of impacts (excellent coverage of the treated zone).
- ▶ Anti-clogging design and double air-intake orifice.
- ▶ Compact design (22 mm length) adapted to all booms and nozzles-holders.
- ▶ **Minimum height boom recommended: 50/60 cm.**
- ▶ **Recommended pressure : 2 bar.**

PRESSURE RANGE



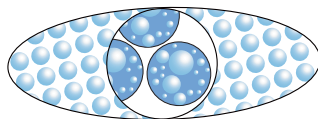
from 1.5
to 3 bar

SPRAY ANGLE



DROPLET SPECTRUM

1.5 bar



3 bar

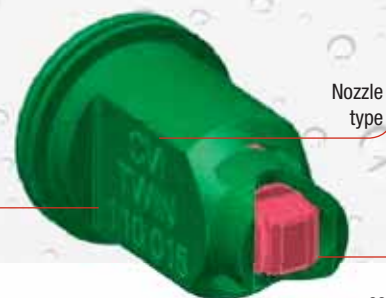
FLOW RATE CHART

Colour	ISO code		(bar)		l/mn	Litres / hectare - nozzle spacing: 50 cm									
						9 km/h	10 km/h	12 km/h	14 km/h	16 km/h	18km/h	20km/h	22km/h	24km/h	26km/h
GREEN	CVI 110015	100 Mesh	1,5	C	0,42	56	50	42	36	32	28	25	23	21	19
			2	C	0,49	65	59	49	42	37	33	29	27	25	23
			2,5	C	0,54	72	65	54	46	41	36	32	30	28	25
			3	M	0,60	80	72	60	51	45	40	36	33	30	28
YELLOW	CVI 11002	100 Mesh	1,5	C	0,57	76	68	57	49	43	38	34	31	29	26
			2	C	0,66	88	79	66	57	50	44	44	35	33	30
			2,5	C	0,73	97	88	73	63	55	49	48	40	37	34
			3	C	0,80	107	96	80	69	60	53	52	44	40	37
LILAC	CVI 110025	50 Mesh	1,5	C	0,71	95	85	71	61	53	47	35	39	36	33
			2	C	0,82	109	98	82	70	62	55	49	45	41	38
			2,5	VC	0,91	121	109	91	78	68	61	55	50	46	42
			3	VC	1,00	133	120	100	86	75	67	60	55	50	46
BLUE	CVI 11003	50 Mesh	1,5	C	0,85	113	102	85	73	64	57	51	46	43	39
			2	C	0,98	131	118	98	84	74	65	66	53	49	45
			2,5	C	1,10	147	132	110	94	83	73	72	60	55	51
			3	VC	1,20	160	144	120	103	90	80	78	65	60	55
RED	CVI 11004	50 Mesh	1,5	C	1,13	151	136	113	97	85	75	68	62	57	52
			2	C	1,31	175	157	131	112	98	87	80	71	66	60
			2,5	C	1,46	195	175	146	125	110	97	87	80	73	67
			3	VC	1,60	213	192	160	137	120	107	94	87	80	74
BROWN	CVI 11005	50 Mesh	1,5	C	1,41	188	169	141	121	106	94	85	77	71	65
			2	C	1,63	217	196	163	140	122	109	98	89	82	75
			2,5	C	1,82	247	220	183	156	137	121	110	100	92	84
			3	VC	2,00	267	240	200	171	150	133	120	109	100	92

ALBUZ® CVI TWIN

Anti-drift flat spray nozzle air induction low pressure

ISO body dimensions



ISO colour code

COORSTEK
Amazing solutions

APPLICATIONS

- All types of treatment (systemic and contact products) including liquid fertilizers.
- Designed to be used over a wide range of pressures (from 1.5 to 3 bar).

MAIN CHARACTERISTICS

- Pink ALBUZ® ceramic Double-orifices (excellent precision and high wear resistance).
- Flat fan pattern angle 110°. Wide angle flat spray: overlap required to ensure uniform distribution on the ground.
- Designed for all types of nozzle holders, using the same cap which accept nozzles measuring 8 mm across flats. (for example: AXI and CVI).

SPECIFIC CHARACTERISTICS

- The inclination of the jets improves the penetration into the vegetation.
- 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 (22 mm length) adapted to all booms and nozzles-holders.
- **Minimum height boom recommended: 50/60 cm.**
- **Recommended pressure: 2 bar.**
- **Use 80 mesh filters for 110015/11002 models.**

FLOW RATE CHART

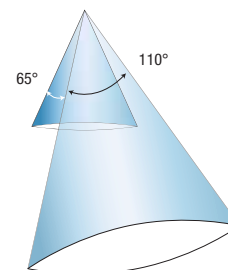
Colour	ISO code		(bar)		l/mn	Litres / hectare - nozzle spacing: 50 cm										
						9 km/h	10 km/h	12 km/h	14 km/h	16 km/h	18 km/h	20 km/h	22 km/h	24 km/h	26 km/h	
GREEN	CVI 110015	100 Mesh	1,5	C	0,42	56	50	42	36	32	28	25	23	21	19	
			2	C	0,49	65	59	49	42	37	33	29	27	25	23	
			2,5	C	0,54	72	65	54	46	41	36	32	30	28	25	
			3	M	0,60	80	72	60	51	45	40	36	33	30	28	
YELLOW	CVI 11002	100 Mesh	1,5	C	0,57	76	68	57	49	43	38	34	31	29	26	
			2	C	0,66	88	79	66	57	50	44	44	35	33	30	
			2,5	C	0,73	97	88	73	63	55	49	48	40	37	34	
			3	C	0,80	107	96	80	69	60	53	52	44	40	37	
LILAC	CVI 110025	50 Mesh	1,5	XC	0,71	95	85	71	61	53	47	35	39	36	33	
			2	XC	0,82	109	98	82	70	62	55	49	45	41	38	
			2,5	VC	0,91	121	109	91	78	68	61	55	50	46	42	
			3	VC	1,00	133	120	100	86	75	67	60	55	50	46	
BLUE	CVI 11003	50 Mesh	1,5	C	0,85	113	102	85	73	64	57	51	46	43	39	
			2	C	0,98	131	118	98	84	74	65	66	53	49	45	
			2,5	C	1,10	147	132	110	94	83	73	72	60	55	51	
			3	C	1,20	160	144	120	103	90	80	78	65	60	55	
RED	CVI 11004	50 Mesh	1,5	C	1,13	151	136	113	97	85	75	68	62	57	52	
			2	C	1,31	175	157	131	112	98	87	80	71	66	60	
			2,5	C	1,46	195	175	146	125	110	97	87	80	73	67	
			3	VC	1,60	213	192	160	137	120	107	94	87	80	74	
BROWN	CVI 11005	50 Mesh	1,5	C	1,41	188	169	141	121	106	94	85	77	71	65	
			2	C	1,63	217	196	163	140	122	109	98	89	82	75	
			2,5	C	1,82	247	220	183	156	137	121	110	100	92	84	
			3	VC	2,00	267	240	200	171	150	133	120	109	100	92	

PRESSURE RANGE



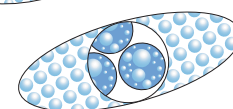
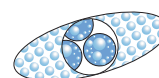
from 1.5 to 3 bar

SPRAY ANGLE AND ANGLE BETWEEN JETS



DROPLET SPECTRUM

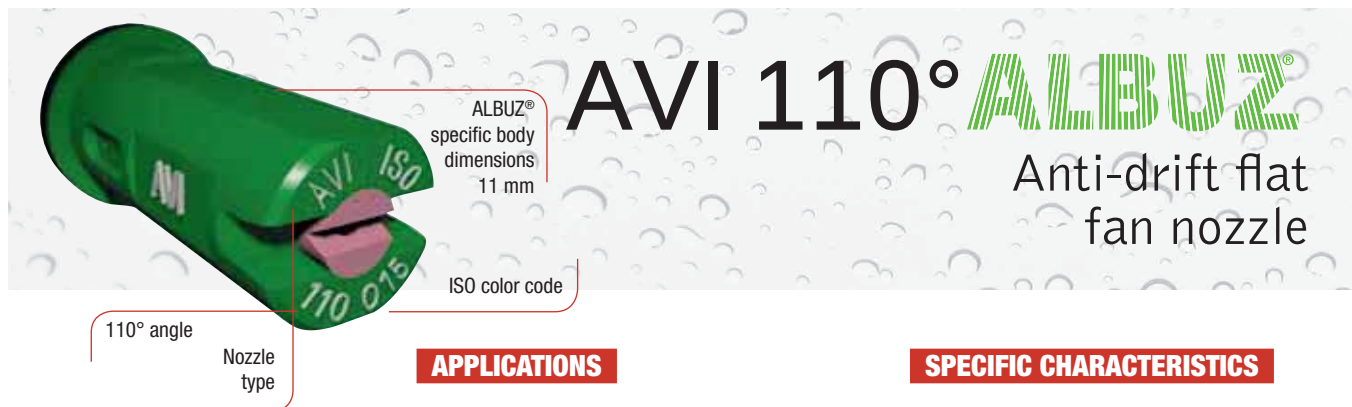
1,5 bar



3 bar

LOW CROPS

ISO



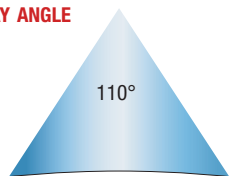
AVI 110° ALBUZ®

Anti-drift flat fan nozzle

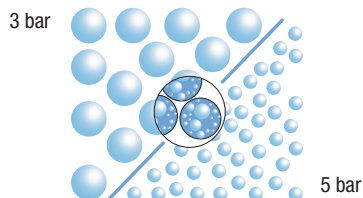
PRESSURE RANGE

from 3
to 5 bar

SPRAY ANGLE



DROPLET SPECTRUM



APPLICATIONS

- ▶ All types of treatments (systemic and contact products) including liquid fertilizers.
- ▶ Designed to be used over a wide range of pressures (from 3 to 5 bar).

MAIN CHARACTERISTICS

- ▶ Pink ALBUZ® ceramic orifice (excellent precision and high wear resistance).
- ▶ Flat fan pattern angle 110°.
- ▶ Wide angle flat : spray overlap ensuring uniform distribution on the ground.
- ▶ Designed for all types nozzles-holders.
- ▶ Designed for all types of nozzle holders, using the same cap as ALBUZ® APE nozzles.

SPECIFIC CHARACTERISTICS

- ▶ Air-injected spray nozzle (venturi system) : sprays large drops charged with air bubbles which do not drift and become fine droplets when in contacted with the plants.
- ▶ Almost totally eliminate drift, while increasing the number of impacts (excellent coverage of the treated zone).
- ▶ Anti-clogging design and double air-intake orifice.
- ▶ Compact design (28 mm length) adapted to all booms and nozzle holders.
- ▶ **Minimum height boom recommended: 50/60 cm.**
- ▶ **Recommended pressure: 3 bar.**

FLOW RATE CHART

colour	ISO code		(bar)		l / mn	Litres / hectare - nozzle spacing: 50 cm										
						8 km / h	9 km / h	10 km / h	12 km / h	14 km / h	16 km / h	18 km / h	20 km / h	22 km / h	24 km / h	26 km / h
ORANGE	AVI 11001	100 Mesh	3	VC	0,40	60	53	48	40	34	30	27	24	22	20	18
			4	C	0,46	69	61	55	46	39	35	31	28	25	23	21
			5	C	0,52	78	69	62	52	45	39	35	31	28	26	24
GREEN	AVI 110015	100 Mesh	3	VC	0,60	90	80	72	60	51	45	40	36	33	30	28
			4	C	0,69	104	92	83	69	59	52	46	41	38	35	32
			5	C	0,77	116	103	92	77	66	58	51	46	42	39	36
YELLOW	AVI 11002	100 Mesh	3	VC	0,80	120	107	96	80	69	60	53	48	44	40	37
			4	C	0,91	137	121	109	91	78	68	61	55	50	46	42
			5	C	1,03	155	137	124	103	88	77	69	62	56	52	48
LILAC	AVI 110025	50 Mesh	3	VC	1,00	150	133	120	100	86	75	67	60	55	50	46
			4	C	1,15	173	153	138	115	99	86	77	69	63	58	53
			5	C	1,29	194	172	155	129	111	97	86	77	70	65	60
BLUE	AVI 11003	50 Mesh	3	XC	1,20	180	160	144	120	103	90	80	72	65	60	55
			4	C	1,39	209	185	167	139	119	104	93	83	76	70	64
			5	C	1,55	233	207	186	155	133	116	103	93	85	78	72
RED	AVI 11004	50 Mesh	3	XC	1,60	240	213	192	160	137	120	107	96	87	80	74
			4	VC	1,85	278	247	222	185	159	139	123	111	101	93	85
			5	VC	2,07	311	276	248	207	177	155	138	124	113	104	96
BROWN	AVI 11005	50 Mesh	3	XC	2,00	300	267	240	200	171	150	133	120	109	100	92
			4	XC	2,31	347	308	277	231	198	173	154	139	126	116	107
			5	VC	2,58	387	344	310	258	221	194	172	155	141	129	119
GREY	AVI 11006	50 Mesh	3	XC	2,40	360	320	288	240	206	180	160	144	131	120	111
			4	XC	2,77	416	369	332	277	237	208	185	166	151	139	128
			5	VC	3,10	465	413	372	310	266	233	207	186	169	155	143
WHITE	AVI 11008	50 Mesh	3	XC	3,20	480	427	384	320	274	240	213	192	175	160	148
			4	XC	3,70	555	493	444	370	317	278	247	222	202	185	171
			5	XC	4,13	620	551	496	413	354	310	275	248	225	207	191
LIGHT BLUE*	AVI 11010	50 Mesh	3	XC	4,00	600	533	480	400	343	300	267	240	218	200	185
			4	XC	4,62	693	616	554	462	396	347	308	277	252	231	213
			5	XC	5,16	774	688	619	516	442	387	344	310	281	258	238

* This nozzle was before black

ALBUZ® AVI TWIN

Bi-jet anti-drift venturi

Nozzle
type

ALBUZ®
specific body
dimensions
11 mm

COORSTEK
Amazing solutions

APPLICATIONS

- ▶ All types of treatment (systemic and contact products).
- ▶ Designed to be used over a wide range of pressures (from 3 to 5 bar).

MAIN CHARACTERISTICS

- ▶ Double-orifices pink ALBUZ® ceramic (excellent precision and high wear resistance).
- ▶ Two flat-fan patterns with 110° angles.
- ▶ Wide flat angle: spray overlap required to ensure uniform distribution on the ground.
- ▶ Designed for all types of nozzle holders, using the same cap as ALBUZ® APE / AVI (11 mm) nozzles.

SPECIFIC CHARACTERISTICS

- ▶ The inclination of the jets improves the penetration of the vegetation.
- ▶ 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 eliminate drift, while increasing the number of impacts (excellent coverage of the treated zone).
- ▶ Anti-clogging design and double air-intake orifices.
- ▶ Compact design length (28 mm length) fits all booms and nozzle holders.
- ▶ **Minimum height boom recommended: 50/60 cm.**
- ▶ **Recommended pressure: 3 bar.**

FLOW RATE CHART

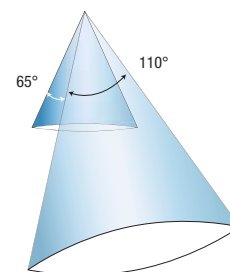
colour	ISO code		(bar)		l / mn	Litres / hectare - nozzle spacing: 50 cm										
						8 km / h	9 km / h	10 km / h	12 km / h	14 km / h	16 km / h	18 km / h	20 km / h	22 km / h	24 km / h	26 km / h
ORANGE	AVI TWIN 11001	100 Mesh	3	xc	0,40	60	53	48	40	34	30	27	24	22	20	18
			4	xc	0,46	69	61	55	46	39	35	31	28	25	23	21
			5	c	0,52	78	69	62	52	45	39	35	31	28	26	24
GREEN	AVI TWIN 110015	100 Mesh	3	xc	0,60	90	80	72	60	51	45	40	36	33	30	28
			4	xc	0,69	104	92	83	69	59	52	46	41	38	35	32
			5	c	0,77	116	103	92	77	66	58	51	46	42	39	36
YELLOW	AVI TWIN 11002	100 Mesh	3	xc	0,80	120	107	96	80	69	60	53	48	44	40	37
			4	xc	0,91	137	121	109	91	78	68	61	55	50	46	42
			5	c	1,03	155	137	124	103	88	77	69	62	56	52	48
LILAC	AVI TWIN 110025	50 Mesh	3	xc	1,00	150	133	120	100	86	75	67	60	55	50	46
			4	xc	1,15	173	153	138	115	99	86	77	69	63	58	53
			5	vc	1,29	194	172	155	129	111	97	86	77	70	65	60
BLUE	AVI TWIN 11003	50 Mesh	3	xc	1,20	180	160	144	120	103	90	80	72	65	60	55
			4	xc	1,39	209	185	167	139	119	104	93	83	76	70	64
			5	vc	1,55	233	207	186	155	133	116	103	93	85	78	72
RED	AVI TWIN 11004	50 Mesh	3	xc	1,60	240	213	192	160	137	120	107	96	87	80	74
			4	xc	1,85	278	247	222	185	159	139	123	111	101	93	85
			5	vc	2,07	311	276	248	207	177	155	138	124	113	104	96
BROWN	AVI TWIN 11005	50 Mesh	3	xc	2,00	300	267	240	200	171	150	133	120	109	100	92
			4	xc	2,31	347	308	277	231	198	173	154	139	126	116	107
			5	vc	2,58	387	344	310	258	221	194	172	155	141	129	119
GREY	AVI TWIN 11006	50 Mesh	3	xc	2,40	360	320	288	240	206	180	160	144	131	120	111
			4	xc	2,77	416	369	332	277	237	208	185	166	151	139	128
			5	xc	3,10	465	413	372	310	266	233	207	186	169	155	143

PRESSURE RANGE



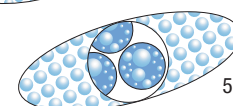
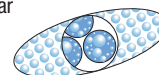
from 3
to 5 bar

SPRAY ANGLE AND ANGLE BETWEEN JETS



DROPLET SPECTRUM

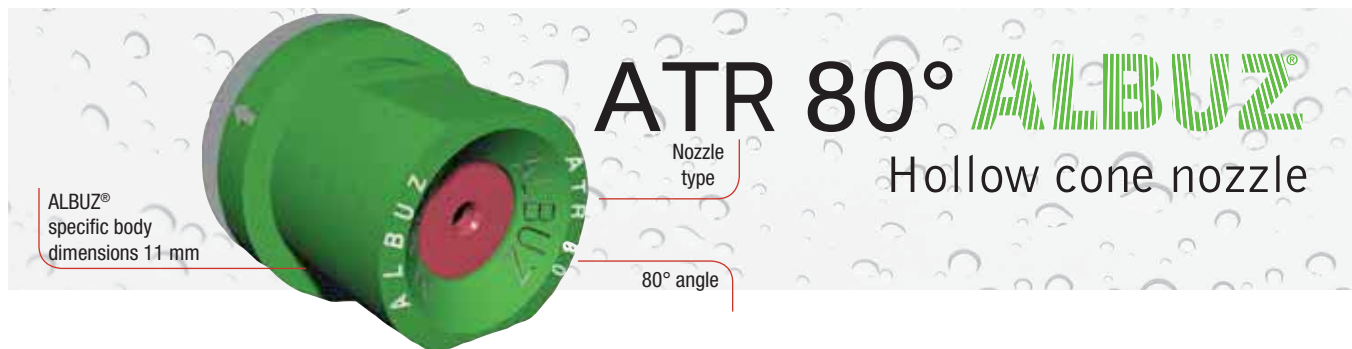
3 bar



5 bar

ORCHARD / VINEYARD

EUROPE



ATR 80° ALBUZ®

Hollow cone nozzle

APPLICATIONS

- For fungicides and insecticides.
- Recommended for orchard and vineyards.

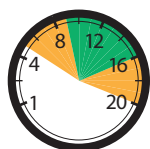
MAIN CHARACTERISTICS

- Angle of 80° at 5 bar.
- Hollow cone nozzle producing fine droplets.
- ALBUZ® durable pink ceramic allows high pressure spraying while maintaining nozzle performance and precision.

SPECIFIC CHARACTERISTICS

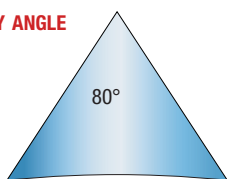
- Easy dismantling for cleaning.
- BBA certified.
- Can be used on a sprayer boom from 3 bar pressure.
- Precision polished ceramic surfaces of internal components ensure perfect sealing of the swirl chamber to give precise flowrate.
- Recommended pressure: 10 bar.**

PRESSURE RANGE

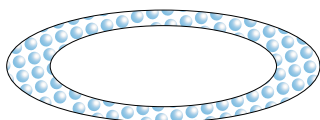


from 10
to 15 bar

SPRAY ANGLE



DROPLET SPECTRUM

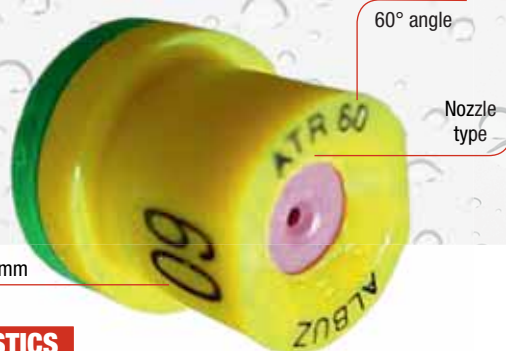


FLOW RATE CHART

bar	 G 1348  G 1349  G 1350  G 1351 l / mn  G 1352  G 1353  G 1354									
	WHITE	LILAC	BROWN	YELLOW	ORANGE	RED	GREY	GREEN	BLACK	BLUE
5	0,27	0,36	0,48	0,73	0,99	1,38	1,50	1,78	2,00	2,45
6	0,29	0,39	0,52	0,80	1,08	1,51	1,63	1,94	2,18	2,67
7	0,32	0,42	0,56	0,86	1,17	1,62	1,76	2,09	2,35	2,87
8	0,34	0,45	0,60	0,92	1,24	1,73	1,87	2,22	2,50	3,06
9	0,36	0,48	0,64	0,97	1,32	1,83	1,98	2,35	2,64	3,24
10	0,38	0,50	0,67	1,03	1,39	1,92	2,08	2,47	2,78	3,40
11	0,39	0,52	0,70	1,07	1,45	2,01	2,17	2,58	2,90	3,56
12	0,41	0,55	0,73	1,12	1,51	2,09	2,26	2,69	3,03	3,71
13	0,43	0,57	0,76	1,17	1,57	2,17	2,35	2,79	3,14	3,85
14	0,44	0,59	0,79	1,21	1,63	2,25	2,43	2,89	3,26	3,99
15	0,46	0,61	0,81	1,25	1,69	2,33	2,51	2,99	3,36	4,12
16	0,47	0,63	0,84	1,29	1,74	2,40	2,59	3,08	3,47	4,25
17	0,48	0,64	0,86	1,33	1,79	2,47	2,67	3,17	3,57	4,37
18	0,50	0,66	0,89	1,37	1,84	2,54	2,74	3,25	3,67	4,49
19	0,51	0,68	0,91	1,40	1,89	2,60	2,81	3,34	3,76	4,61
20	0,52	0,70	0,93	1,44	1,94	2,67	2,88	3,42	3,85	4,72
21	0,54	0,71	0,95	1,48	1,99	2,73	2,95	3,50	3,94	4,84
22	0,55	0,73	0,98	1,51	2,03	2,79	3,01	3,57	4,03	4,94
23	0,56	0,74	1,00	1,54	2,07	2,85	3,07	3,65	4,12	5,05
24	0,57	0,76	1,02	1,58	2,12	2,91	3,14	3,72	4,20	5,15
25	0,58	0,77	1,04	1,61	2,16	2,97	3,20	3,80	4,28	5,25

ALBUZ® ATR 60°

Hollow cone nozzle



ALBUZ®
specific body
dimensions 11 mm

APPLICATIONS

- For fungicides and insecticides.
- Recommended for orchard and vineyards.

MAIN CHARACTERISTICS

- Angle of 60° at 5 bar.
- Hollow cone nozzle producing fine droplets.
- The **green cap** is used for précising that the nozzles has an angle of 60 degrees.
- ALBUZ® durable pink ceramic allows high pressure spraying while maintaining nozzle performance and precision.

SPECIFIC CHARACTERISTICS

- Easy dismantling for cleaning.
- The angle of 60 degrees :
 - Is mostly recommended during the use of the Shielded Sprayer or Tunnel sprayer.
 - The drift is reduced on the top part of the target during the process
- Can be used on a sprayer boom from 3 bar pressure.
- Precision polished ceramic surfaces of internal components ensure perfect sealing of the swirl chamber to give precise flowrate.
- **Recommended pressure: 10 bar.**

FLOW RATE CHART

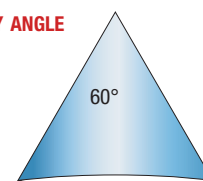
bar	LILAC	BROWN	YELLOW	ORANGE	RED	GREY	GREEN	BLACK	BLUE
5	0,36	0,48	0,73	0,99	1,38	1,50	1,78	2,00	2,45
6	0,39	0,52	0,80	1,08	1,51	1,63	1,94	2,18	2,67
7	0,42	0,56	0,86	1,17	1,62	1,76	2,09	2,35	2,87
8	0,45	0,60	0,92	1,24	1,73	1,87	2,22	2,50	3,06
9	0,48	0,64	0,97	1,32	1,83	1,98	2,35	2,64	3,24
10	0,50	0,67	1,03	1,39	1,92	2,08	2,47	2,78	3,40
11	0,52	0,70	1,07	1,45	2,01	2,17	2,58	2,90	3,56
12	0,55	0,73	1,12	1,51	2,09	2,26	2,69	3,03	3,71
13	0,57	0,76	1,17	1,57	2,17	2,35	2,79	3,14	3,85
14	0,59	0,79	1,21	1,63	2,25	2,43	2,89	3,26	3,99
15	0,61	0,81	1,25	1,69	2,33	2,51	2,99	3,36	4,12
16	0,63	0,84	1,29	1,74	2,40	2,59	3,08	3,47	4,25
17	0,64	0,86	1,33	1,79	2,47	2,67	3,17	3,57	4,37
18	0,66	0,89	1,37	1,84	2,54	2,74	3,25	3,67	4,49
19	0,68	0,91	1,40	1,89	2,60	2,81	3,34	3,76	4,61
20	0,70	0,93	1,44	1,94	2,67	2,88	3,42	3,85	4,72
21	0,71	0,95	1,48	1,99	2,73	2,95	3,50	3,94	4,84
22	0,73	0,98	1,51	2,03	2,79	3,01	3,57	4,03	4,94
23	0,74	1,00	1,54	2,07	2,85	3,07	3,65	4,12	5,05
24	0,76	1,02	1,58	2,12	2,91	3,14	3,72	4,20	5,15
25	0,77	1,04	1,61	2,16	2,97	3,20	3,80	4,28	5,25

PRESSURE RANGE

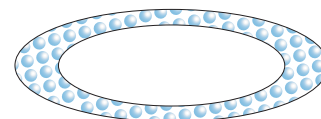


from 10
to 15 bar

SPRAY ANGLE



DROPLET SPECTRUM



ORCHARD / VINEYARD



ATI 80° ALBUZ®

Hollow cone nozzle

APPLICATIONS

- For fungicides and insecticides.
- Recommended for orchard and vineyards.

MAIN CHARACTERISTICS

- Angle of 80° at 5 bar.
- Hollow cone nozzle producing fine droplets.
- The **grey cap** is used for précising that the nozzles has an angle of 80 degrees.
- ALBUZ® durable pink ceramic allows high pressure spraying while maintaining nozzle performance and precision.

SPECIFIC CHARACTERISTICS

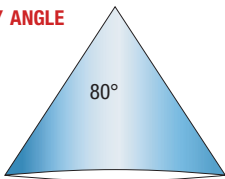
- Flow rate characteristics, colour code meet international ISO standards.
- Easy dismantling for cleaning.
- The angle of 80 degrees may be matched with TVI 80° nozzles in order to optimize applications.
- Can be used on a sprayer boom from 3 bar pressure.
- Precision polished ceramic surfaces of internal components ensure perfect sealing of the swirl chamber to give precise flowrate.
- Recommended pressure: 10 bar.

PRESSURE RANGE

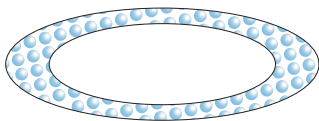


from 10
to 15 bar

SPRAY ANGLE



DROPLET SPECTRUM

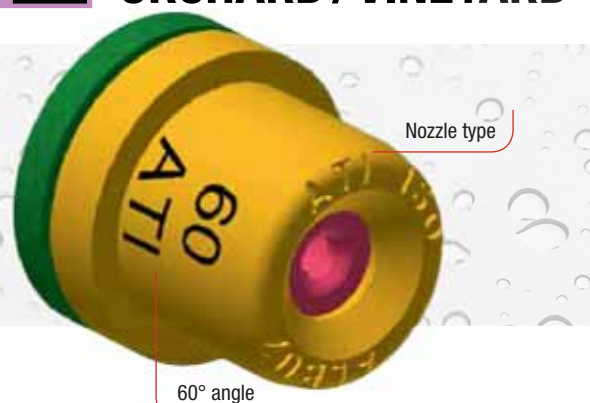


FLOW RATE CHART

bar	PINK 80-0075	ORANGE 80-01	GREEN 80-015	YELLOW 80-02	LILAC 80-025	BLUE 80-03	RED 80-04
5	0.39	0.52	0.77	1.03	1.29	1.55	2.07
6	0.42	0.57	0.85	1.13	1.41	1.70	2.26
7	0.46	0.61	0.92	1.22	1.53	1.83	2.44
8	0.49	0.65	0.98	1.31	1.63	1.96	2.61
9	0.52	0.69	1.04	1.39	1.73	2.08	2.77
10	0.55	0.73	1.10	1.46	1.83	2.19	2.92
11	0.57	0.77	1.15	1.53	1.91	2.30	3.06
12	0.60	0.80	1.2	1.6	2.00	2.40	3.20
13	0.62	0.83	1.25	1.67	2.08	2.50	3.33
14	0.65	0.86	1.30	1.73	2.16	2.59	3.46
15	0.67	0.89	1.34	1.79	2.24	2.68	3.58
16	0.69	0.92	1.39	1.85	2.31	2.77	3.70
17	0.71	0.95	1.43	1.90	2.38	2.86	3.81
18	0.73	0.98	1.47	1.96	2.45	2.94	3.92
19	0.75	1.01	1.51	2.01	2.52	3.02	4.03
20	0.77	1.03	1.55	2.07	2.58	3.10	4.13
21	0.79	1.06	1.59	2.12	2.65	3.17	4.23
22	0.81	1.08	1.62	2.17	2.71	3.25	4.33
23	0.83	1.11	1.66	2.22	2.77	3.32	4.43
24	0.85	1.13	1.70	2.26	2.83	3.39	4.53
25	0.87	1.15	1.73	2.31	2.89	3.46	4.62

ALBUZ® ATI 60°

Hollow cone nozzle



APPLICATIONS

- For fungicides and insecticides.
- Recommended for orchard and vineyards.

MAIN CHARACTERISTICS

- Angle of 60° at 5 bar.
- Hollow cone nozzle producing fine droplets.
- The **green cap** is used for précising that the nozzles has an angle of 60 degrees.
- ALBUZ® durable pink ceramic allows high pressure spraying while maintaining nozzle performance and precision.

SPECIFIC CHARACTERISTICS

- **Flow rate characteristics, colour code meet international ISO standards.**
- Easy dismantling for cleaning.
- The angle of 60 degrees :
 - Is mostly recommended during the use of the Shielded Sprayer or Tunnel sprayer.
 - The drift is reduced on the top part of the target during the process
- Can be used on a sprayer boom from 3 bar pressure.
- Precision polished ceramic surfaces of internal components ensure perfect sealing of the swirl chamber to give precise flowrate.
- **Recommended pressure: 10 bar.**

FLOW RATE CHART

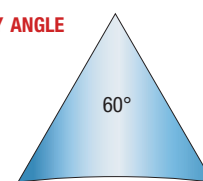
bar	PINK 60-0075	ORANGE 60-01	GREEN 60-015	YELLOW 60-02	LILAC 60-025	BLUE 60-03	RED 60-04
5	0.39	0.52	0.77	1.03	1.29	1.55	2.07
6	0.42	0.57	0.85	1.13	1.41	1.70	2.26
7	0.46	0.61	0.92	1.22	1.53	1.83	2.44
8	0.49	0.65	0.98	1.31	1.63	1.96	2.61
9	0.52	0.69	1.04	1.39	1.73	2.08	2.77
10	0.55	0.73	1.10	1.46	1.83	2.19	2.92
11	0.57	0.77	1.15	1.53	1.91	2.30	3.06
12	0.60	0.80	1.2	1.6	2.00	2.40	3.20
13	0.62	0.83	1.25	1.67	2.08	2.50	3.33
14	0.65	0.86	1.30	1.73	2.16	2.59	3.46
15	0.67	0.89	1.34	1.79	2.24	2.68	3.58
16	0.69	0.92	1.39	1.85	2.31	2.77	3.70
17	0.71	0.95	1.43	1.90	2.38	2.86	3.81
18	0.73	0.98	1.47	1.96	2.45	2.94	3.92
19	0.75	1.01	1.51	2.01	2.52	3.02	4.03
20	0.77	1.03	1.55	2.07	2.58	3.10	4.13
21	0.79	1.06	1.59	2.12	2.65	3.17	4.23
22	0.81	1.08	1.62	2.17	2.71	3.25	4.33
23	0.83	1.11	1.66	2.22	2.77	3.32	4.43
24	0.85	1.13	1.70	2.26	2.83	3.39	4.53
25	0.87	1.15	1.73	2.31	2.89	3.46	4.62

PRESSURE RANGE

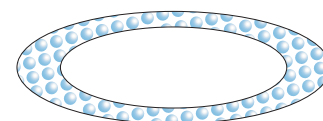


from 10
to 15 bar

SPRAY ANGLE



DROPLET SPECTRUM



ORCHARD / VINEYARD

ISO



TVI ALBUZ®

Hollow cone anti-drift venturi

APPLICATIONS

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

MAIN CHARACTERISTICS

- 80° angle at 5 bar.
- Air-induction hollow cone nozzle (Venturi system) spraying large drops filled with air bubbles which do not drift and explode into fine droplets in contact with the plant.
- ALBUZ® durable pink ceramic allows high spraying pressures to be used while maintaining performance and precision.

SPECIFIC CHARACTERISTICS

- Easy dismantling for a good cleaning.
- 3 ceramic components for more wear resistance.
- Can be used on a boom from a pressure of 5 bar using a special bayonette cap.
- Compact size: length 19 mm.
- Model 80 0050: recommended pressure from 7 bar.
- **Recommended pressure: 10 bar.**

IMPORTANT

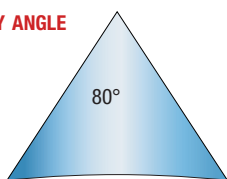
- Use 200 mesh nozzle filters for models 80 0050 - 80 0075 and 100 mesh filters for the other sizes.

PRESSURE RANGE

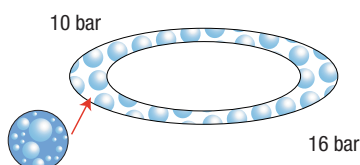


from 10
to 16 bar

SPRAY ANGLE



DROPLET SPECTRUM



FLOW RATE CHART

bar	l/mn							
	G 1752		G 1751			G 1897		
	PURPLE 80-0050	PINK 80-0075	ORANGE 80-01	GREEN 80-015	YELLOW 80-02	LILAC 80-025	BLUE 80-03	RED 80-04
5	-	0.39	0.52	0.77	1.03	1.29	1.55	2.07
6	-	0.42	0.57	0.85	1.13	1.41	1.70	2.26
7	0.31	0.46	0.61	0.92	1.22	1.53	1.83	2.44
8	0.33	0.49	0.65	0.98	1.31	1.63	1.96	2.61
9	0.35	0.52	0.69	1.04	1.39	1.73	2.08	2.77
10	0.37	0.55	0.73	1.10	1.46	1.83	2.19	2.92
11	0.38	0.57	0.77	1.15	1.53	1.91	2.30	3.06
12	0.40	0.60	0.80	1.2	1.6	2.00	2.40	3.20
13	0.42	0.62	0.83	1.25	1.67	2.08	2.50	3.33
14	0.43	0.65	0.86	1.30	1.73	2.16	2.59	3.46
15	0.45	0.67	0.89	1.34	1.79	2.24	2.68	3.58
16	0.46	0.69	0.92	1.39	1.85	2.31	2.77	3.70
17	0.48	0.71	0.95	1.43	1.90	2.38	2.86	3.81
18	0.49	0.73	0.98	1.47	1.96	2.45	2.94	3.92
19	0.50	0.75	1.01	1.51	2.01	2.52	3.02	4.03
20	0.52	0.77	1.03	1.55	2.07	2.58	3.10	4.13
21	0.53	0.79	1.06	1.59	2.12	2.65	3.17	4.23
22	0.54	0.81	1.08	1.62	2.17	2.71	3.25	4.33
23	0.55	0.83	1.11	1.66	2.22	2.77	3.32	4.43
24	0.57	0.85	1.13	1.70	2.26	2.83	3.39	4.53
25	0.58	0.87	1.15	1.73	2.31	2.89	3.46	4.62

ALBUZ® DISC & CORE

Ceramic
hollow-cone nozzle



COORSTEK
Amazing solutions

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: 10 bar.**

HOLLOW CONE TABLE

		orifices diameter	l / mm								Angles	
			3 bar	4 bar	5 bar	6 bar	10 bar	15 bar	20 bar		10 bar	20 bar
AD 1	AC 13	0,8	0,24	0,27	0,3	0,33	0,41	0,49	0,56		70°	79°
AD 2	AC 13	1,02	0,31	0,35	0,39	0,42	0,53	0,64	0,73		87°	97°
AD 3	AC 13	1,2	0,36	0,41	0,45	0,49	0,61	0,74	0,84		89°	98°
AD 4	AC 13	1,56	0,45	0,52	0,57	0,62	0,78	0,93	1,06		99°	103°
AD 5	AC 13	2	0,55	0,62	0,69	0,75	0,94	1,13	1,29		102°	105°
AD 1	AC 23	0,8	0,28	0,32	0,35	0,38	0,48	0,57	0,65		66°	74°
AD 2	AC 23	1,02	0,37	0,43	0,47	0,51	0,64	0,77	0,88		83°	93°
AD 3	AC 23	1,2	0,44	0,51	0,56	0,61	0,76	0,92	1,04		84°	92°
AD 4	AC 23	1,56	0,56	0,64	0,71	0,77	0,97	1,16	1,32		92°	98°
AD 5	AC 23	2	0,72	0,82	0,91	0,99	1,24	1,49	1,7		96°	99°
AD 6	AC 23	2,4	0,85	0,97	1,07	1,16	1,46	1,75	2		99°	101°
AD 1	AC 25	0,8	0,41	0,46	0,51	0,55	0,7	0,84	0,95		50°	60°
AD 2	AC 25	1,02	0,59	0,67	0,74	0,8	1,01	1,21	1,38		57°	66°
AD 3	AC 25	1,2	0,72	0,81	0,9	0,98	1,23	1,48	1,68		63°	69°
AD 4	AC 25	1,56	1,02	1,16	1,28	1,39	1,75	2,1	2,39		75°	80°
AD 5	AC 25	2	1,41	1,6	1,77	1,92	2,42	2,9	3,3		77°	80°
AD 6	AC 25	2,4	1,73	1,97	2,18	2,37	2,98	3,57	4,07		82°	85°
AD 7	AC 25	2,8	2,07	2,36	2,61	2,83	3,57	4,28	4,87		88°	91°
AD 1	AC 45	0,8	0,48	0,55	0,61	0,66	0,83	1	1,14		32°	39°
AD 2	AC 45	1,02	0,73	0,83	0,92	1	1,26	1,51	1,72		46°	53°
AD 3	AC 45	1,2	0,92	1,05	1,16	1,26	1,58	1,9	2,16		48°	52°
AD 4	AC 45	1,56	1,35	1,54	1,7	1,85	2,32	2,79	3,17		59°	60°
AD 5	AC 45	2	1,92	2,19	2,42	2,63	3,31	3,97	4,52		68°	70°
AD 6	AC 45	2,4	2,46	2,79	3,09	3,35	4,22	5,07	5,77		72°	75°
AD 7	AC 45	2,8	3,01	3,43	3,79	4,11	5,18	6,21	7,07		79°	80°
AD 1	AC 46	0,8	0,55	0,62	0,69	0,75	0,94	1,13	1,29		23°	27°
AD 2	AC 46	1,02	0,92	1,05	1,16	1,26	1,58	1,9	2,16		26°	30°
AD 3	AC 46	1,2	1,2	1,37	1,51	1,64	2,06	2,48	2,82		30°	30°
AD 4	AC 46	1,56	2,03	2,32	2,56	2,78	3,5	4,2	4,78		35	35
AD 5	AC 46	2	3,11	3,54	3,91	4,24	5,34	6,41	7,3		40°	42°
AD 6	AC 46	2,4	4,12	4,69	5,18	5,62	7,08	8,49	9,67		45	46
AD 7	AC 46	3,230	5,49	6,40	7,10	7,84	10,16	12,43	14,33		55°	53°

FULL CONE TABLE

AD 1	AC 31	0,8	0,53	0,61	0,67	0,73	0,92	1,1	1,25	39°	39°
AD 2	AC 31	1,02	0,82	0,93	1,03	1,12	1,41	1,69	1,92	87°	95°
AD 3	AC 31	1,2	0,87	0,99	1,1	1,19	1,5	1,8	2,05	65°	62°
AD 1	AC 35	0,8	0,53	0,61	0,67	0,73	0,92	1,1	1,25	34°	40°
AD 2	AC 35	1,02	0,92	1,05	1,16	1,26	1,58	1,9	2,16	39°	39°
AD 3	AC 35	1,2	1,28	1,46	1,61	1,75	2,2	2,64	3	44°	42°
AD 4	AC 35	1,56	2,08	2,37	2,62	2,84	3,58	4,3	4,89	77°	72°
AD 5	AC 35	2	2,62	2,98	3,3	3,58	4,51	5,41	6,16	37°	34°
AD 2	AC 56	1,02	0,88	1	1,11	1,2	1,52	1,82	20,7	21°	20°
AD 3	AC 56	1,2	1,19	1,36	1,5	1,63	2,05	2,46	2,8	28°	32°
AD 4	AC 56	1,56	2,05	2,33	2,58	2,8	3,52	4,23	4,81	35°	38°
AD 5	AC 56	2	3,46	3,94	4,36	4,73	5,96	7,15	8,14	43°	40°
AD 6	AC 56	2,1	5,11	5,82	6,43	6,98	8,78	10,54	12	56°	49°
AD 7	AC 56	2,3	6,87	7,81	8,64	9,38	11,8	14,17	16,12	68°	64°

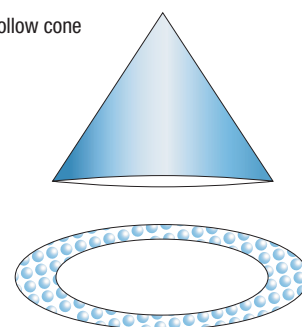
PRESSURE RANGE



from 3
to 20 bar

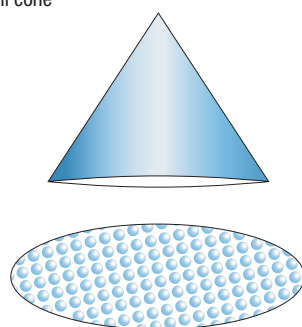
SPRAY ANGLE

Hollow cone

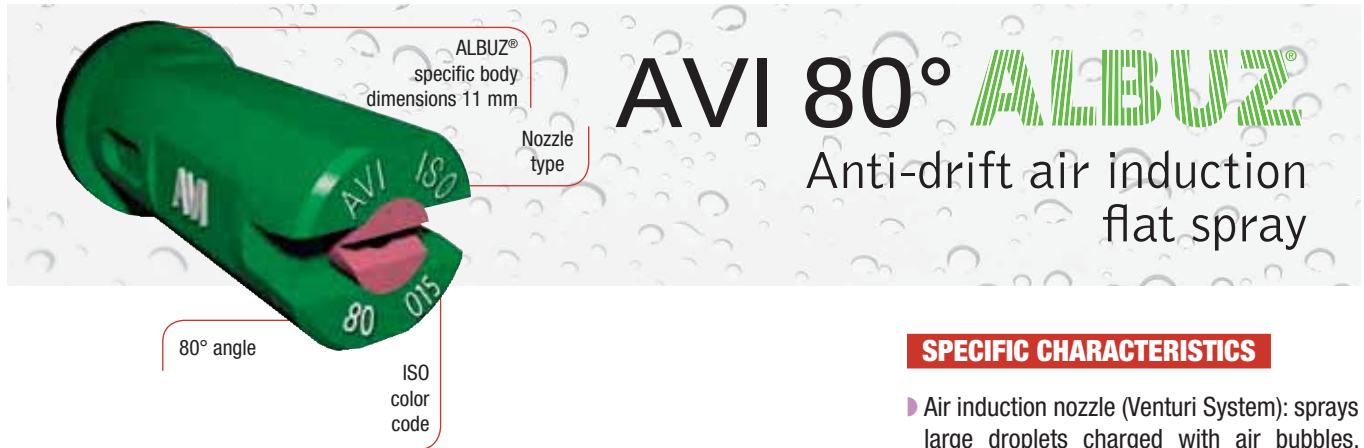


SPRAY ANGLE

Full cone



ORCHARD / VINEYARD



APPLICATIONS

- Particularly recommended for the orchards treatments of systemic and contact products.
- Designed to be used over a wide range of pressures (from 10 to 20 bar).

MAIN CHARACTERISTICS

- Pink ALBUZ® ceramic orifice with excellent precision and high wear resistance.
- Flat fan pattern, angle of 80° at 3 bars.
- Can be used for treatments up to 8 metres height.

SPECIFIC CHARACTERISTICS

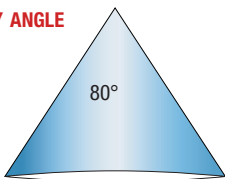
- Air induction nozzle (Venturi System): sprays large droplets charged with air bubbles, which minimise drift, burst on impact with the target, spreading fine droplets over the plant surfaces.
- Increase retention of the product on the foliage, and reduce product losses to the ground.
- Dramatically reduce 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 28 mm) adapted to all booms and nozzle holders.
- Recommended operating pressures: between 10 and 14 bar.**

PRESSURE RANGE

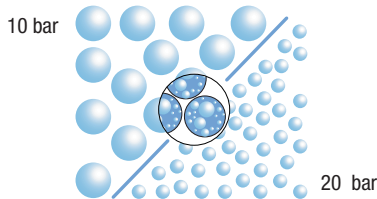


from 10
to 20 bar

SPRAY ANGLE

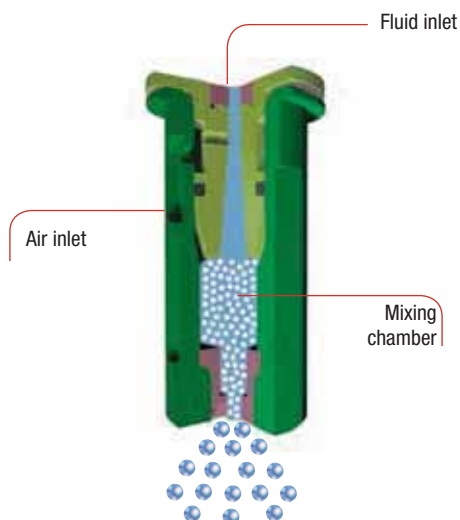


DROPLET SPECTRUM



FLOW RATE CHART

bar	l/mn					
	 G 1721	 G 1634	 G 1635	 G 1636		
	ORANGE	GREEN	YELLOW	LILAC	BLUE	RED
	100 Mesh	100 Mesh	100 Mesh	50 Mesh	50 Mesh	50 Mesh
10	0.73	1.10	1.46	1.83	2.19	2.92
11	0.77	1.15	1.53	1.91	2.30	3.06
12	0.80	1.20	1.60	2.00	2.40	3.20
13	0.83	1.25	1.67	2.08	2.50	3.33
14	0.86	1.30	1.73	2.16	2.59	3.46
15	0.89	1.34	1.79	2.24	2.68	3.58
16	0.92	1.39	1.85	2.31	2.77	3.70
17	0.95	1.43	1.90	2.38	2.86	3.81
18	0.98	1.47	1.96	2.45	2.94	3.92
19	1.01	1.51	2.01	2.52	3.02	4.03
20	1.03	1.55	2.07	2.58	3.10	4.13
21	1.06	1.59	2.12	2.65	3.17	4.23
22	1.08	1.62	2.17	2.71	3.25	4.33
23	1.11	1.66	2.22	2.77	3.32	4.43
24	1.13	1.70	2.26	2.83	3.39	4.53
25	1.15	1.43	2.31	2.89	3.46	4.62



ALBUZ® CVI 80°

Anti-drift air induction flat spray



APPLICATIONS

- Particularly recommended for the application of systemic and contact products.
- Designed to be used over a wide range of pressures (from 10 to 20 bar).

MAIN CHARACTERISTICS

- Pink ALBUZ® ceramic orifice (excellent precision and high wear resistance).
- Flat fan pattern, angle of 80° at 3 bars.
- Can be used for treatments up to 8 metres height.

SPECIFIC CHARACTERISTICS

- Air induction nozzle (Venturi System): sprays large droplets filled with air bubbles, which minimise drift and burst in contact with the target, spreading fine droplets over the plant surfaces.
- Increase retention of the product on the foliage, and reduce product losses to the ground.
- Dramatically reduce 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 22 mm) adapted to all booms and nozzle holders.
- Recommended operating pressures: between 10 and 14 bar.
- Recommended pressure: 10 bar.**

80° angle

ISO
colour
code

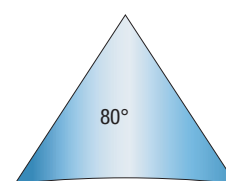
FLOW RATE CHART

bar	l / mn			
	 G 1900	 G 1901	 G 1902	
	ORANGE 8001	GREEN 80015	YELLOW 8002	LILAC 80025
	100 Mesh	100 Mesh	100 Mesh	50 Mesh
10	0,73	1,10	1,46	1,83
11	0,77	1,15	1,53	1,91
12	0,80	1,20	1,60	2,00
13	0,83	1,25	1,67	2,08
14	0,86	1,30	1,73	2,16
15	0,89	1,34	1,79	2,24
16	0,92	1,39	1,85	2,31
17	0,95	1,43	1,90	2,38
18	0,98	1,47	1,96	2,45
19	1,01	1,51	2,01	2,52
20	1,03	1,55	2,07	2,58
21	1,06	1,59	2,12	2,65
22	1,08	1,62	2,17	2,71
23	1,11	1,66	2,22	2,77
24	1,13	1,70	2,26	2,83
25	1,15	1,73	2,31	2,89

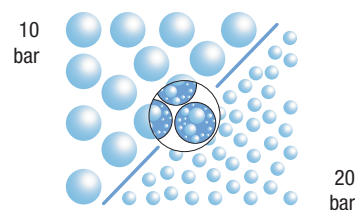
PRESSURE RANGE

from 10
to 20 bar

SPRAY ANGLE



DROPLET SPECTRUM





APM ALBUZ®

Wide angle
flat nozzle

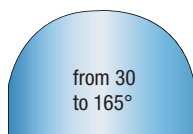
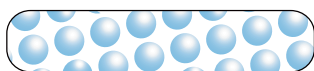
SPECIFIC CHARACTERISTICS

- For herbicide and liquid fertilizer applications: thanks to the exceptional wear resistance of ALBUZ® pink ceramic, these nozzles can be used to spray suspension fertilizers.
- Flat jet (30° to 165° angle) providing coarse droplets without drift.
- Recommended pressure: 1 bar.

PRESSURE RANGE

from 0,5
to bar

SPRAY ANGLE

from 30
to 165°

FLOW RATE CHART (l/mn)

bar	YELLOW	ORANGE	RED	GREEN	BLUE	GREY	BLACK
0.5	0.39	0.64	0.97	1.30	1.62	2.30	3.00
1	0.55	0.91	1.37	1.84	2.29	3.25	4.24
1.5	0.67	1.12	1.68	2.25	2.80	3.98	5.19
2	0.78	1.29	1.94	2.60	3.23	4.60	6.00
2.5	0.87	1.44	2.17	2.90	3.61	5.14	6.70
3	0.95	1.58	2.38	3.18	3.96	5.63	7.35
3.5	1.03	1.71	2.57	3.43	4.28	6.08	7.93
4	1.10	1.82	2.74	3.68	4.58	6.50	8.48

ANGLE OF SPRAYING VERSUS PRESSURE

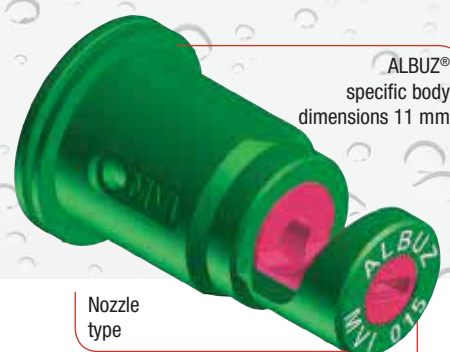
bar	YELLOW	ORANGE	RED	GREEN	BLUE	GREY	BLACK
0,5	30°	60°	75°	110°	120°	140°	140°
1	50°	80°	110°	120°	130°	140°	160°
1,5	70°	100°	120°	130°	130°	150°	160°
2	80°	110°	125°	135°	140°	160°	160°
3	95°	115°	125°	140°	140°	160°	165°
4	100°	120°	130°	140°	145°	160°	165°

NOZZLE COLOR SELECTION - RECOMMENDED PRESSURE (bar) NOZZLE SPACING 1 m

water	Km / h															
l / ha	4				5				6				7			
50					0.6				0.8				1.1			
75		0.8			0.5	1.3			0.7	1.9			0.9	2.5		
100		1.5			0.8	2.3			1.2	3.3			1.6	0.7		
125	0.8	2.3			1.3	3.6			1.9	0.8			2.6	1.1	0.6	
150	1.2	3.3			1.9	0.8			2.7	1.2	0.7		3.7	1.6	0.9	
175	1.6	0.7			2.6	1.1	0.6		3.7	1.6	0.9		2.2	1.2	0.8	
200	2.1	0.9	0.5		3.3	1.5	0.8	0.5		2.1	1.2	0.8	2.9	1.6	1	0.7
250	3.3	1.5	0.8	0.5		2.3	1.3	0.8		3.3	1.9	1.2	0.8	2.5	1.6	1.1
300		2.1	1.2	0.8	0.6	3.3	1.9	1.2	0.9		2.7	1.7	1.2	3.6	2.3	1.5
350	0.5	2.9	1.6	1	0.8		2.5	1.6	1.2	0.7	3.6	2.3	1.6	0.9		3.2
400	0.7		2.1	1.4	1.1		3.3	2.1	1.5	0.9		3.1	2.1	1.2		2.7
450	0.9		2.7	1.7	1.3	0.8		2.7	1.9	1.1		3.9	2.6	1.5		3.4
500	1.1	0.6	3.3	2.1	1.6	1		3.3	2.4	1.4			3.2	1.9		2.5
550	1.3	0.7		2.5	2	1.2			2.9	1.7				2.3		3

ALBUZ® MVI

Anti-drift flood nozzle air injected ceramic



Nozzle
type

ISO
color
code

APPLICATIONS

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

MAIN CHARACTERISTICS

- ▶ Pink ALBUZ® ceramic orifice (excellent precision and high wear resistance).
- ▶ Flat fan pattern angle 130° to 160°.
- ▶ Big droplets with uniform distribution.
- ▶ Designed for all types of nozzles-holders, using the same cap as ALBUZ® APM nozzles.
- ▶ Full range with 10 models on ISO flow-rates.

SPECIFIC CHARACTERISTICS

- ▶ Air-induction spray nozzle (venturi system): sprays large drops filled with air bubbles, which do not drift and produce fine droplets on contact with the plant.
- ▶ Almost totally eliminate drift, while increasing the number of impacts (excellent coverage of the treated zone).
- ▶ Anti-clogging design and double air-intake orifice.
- ▶ Easy dismantling for a good cleaning.
- ▶ **Recommended pressure: 1,5 bar.**

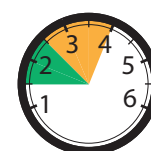
NOZZLE COLOR SELECTION - RECOMMENDED PRESSURE (bar) NOZZLE SPACING 1 M

Km/h	4				6				8				10				12			
l / ha																				
40									2,3				3,7	2				2,9	1,9	
50					2				3,7	2				3,2	2,1			3	2,1	
60					2,9	1,6				2,9	1,9				3	2,1	1,6			3
80	2,3					2,9	1,9				3,5	2,4	2,1			3,8	3	1,9		
100	3,7	2					3	2,1	2,1				3,8	3,3	2			3	2	
120		2,9	1,9		1,6			3	3	1,9				3	2			3	1,6	
140		0	2,6	1,8	2,3				2,6	1,8				2,8	1,6				2,3	
160		0	3,5	2,4	3	1,9			3,4	2,3				3,7	2,1	1,9			3	
180	1,6	0	2,9	3	3,8	2,4	1,6			3	1,6	1,6			2,6	2,4			3,8	
200	2,1	0	3,6	3,8		3	2			3,7	2,1	2			3,3	3				
220	2,5	1,6	4,4			3,6	2,5		1,6			2,5	2,5		4					
240	3	1,9	5,2				3	1,6	1,9				3	3						
260	3,5	2,2	1,5				3,5	1,9	2,2			3,5	3,5							
280		2,6	1,8					2,3	2,6											
300		3	2		1,6			2,6	3											
320		3,4	2,3		1,9			3	3,4											
340			2,6	1,5	2,1			3,4												
360			3	1,6	2,4															
380			3,3	1,8	2,7															
400				2,1	3															

FLOW RATE CHART (l/mn)

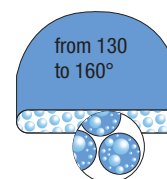
bar	GREEN 015	YELLOW 02	LILAC 025	BLUE 03	RED 04	BROWN 05	GREY 06	WHITE 08	PALE BLUE 10
1,5	0,43	0,57	0,72	0,86	1,15	1,43	1,72	2,29	2,87
2	0,49	0,66	0,82	0,99	1,32	1,65	1,98	2,63	3,29
2,5	0,55	0,73	0,92	1,1	1,47	1,83	2,2	2,93	3,66
3	0,6	0,8	1	1,2	1,6	2	2,4	3,2	4
3,5	0,65	0,86	1,08	1,29	1,72	2,15	2,58	3,45	4,31
4	0,69	0,92	1,15	1,38	1,84	2,3	2,76	3,67	4,59

PRESSURE RANGE



from 1.5
to 4 bar

SPRAY ANGLE



ANGLE BOARD

bar	1.5	2	3
GREEN 015	130°	135°	140°
YELLOW 02	130°	140°	145°
LILAC 025	135°	145°	150°
BLUE 03	135°	140°	150°
RED 04	140°	150°	155°
BROWN 05	140°	150°	155°
GREY 06	140°	150°	155°
WHITE 08	145°	150°	155°
PALE BLUE 10	145°	155°	160°



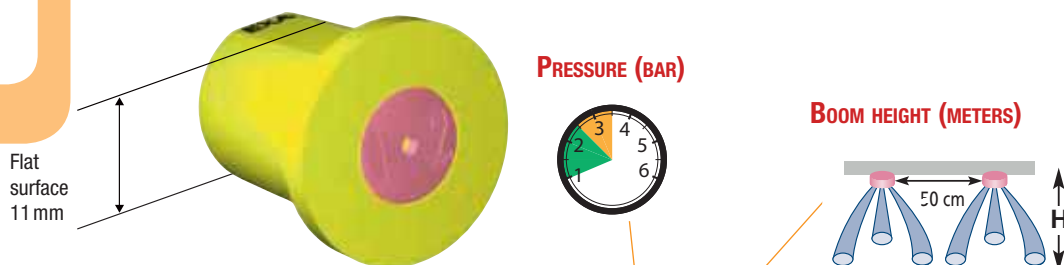
- ▶ Liquid fertilizer application.
- ▶ 3-stream orifice providing very coarse droplets.

- ▶ Boom height and the corresponding pressure provide a consistent distribution of the fertilizer.
- ▶ **Recommended pressure: 1 bar**

from 1
to 3,5 bar

A diagram showing a cone with a pink circular top. Three blue lines (generators) connect the top to the base. Below the cone, there are three circles, each containing several small blue dots, representing the base of the cone.

bar	YELLOW	RED	GREEN	BLUE	WHITE	BROWN	GREY	BLACK
1	0,35	0,59	0,67	0,86	1,39	1,90	2,25	3,00
1,5	0,43	0,71	0,81	1,03	1,63	2,24	2,63	3,51
2	0,50	0,80	0,92	1,17	1,83	2,51	2,95	3,93
2,5	0,56	0,89	1,01	1,29	2,00	2,74	3,21	4,28
3	0,61	0,97	1,10	1,40	2,15	2,95	3,45	4,60
3,5	0,66	1,04	1,18	1,50	2,29	3,14	3,66	4,89



Km/h																																															
Litres/ Hectares		6						7						8						9						10						11						12									
Water	Azote	P	H	P	H	P	H	P	H	P	H	P	H	P	H	P	H	P	H	P	H	P	H	P	H	P	H	P	H	P	H	P	H	P	H												
50	44																							1,4	1,3				1,7	1,3																	
75	66							1,5	1,3					2	1,2					2,6	1,1					3,1	1,2					1,5	1,4			1,8	1,4	1,4	1,4								
100	88	2	1,2					2,7	1,1					3,6	1	1,4	1,4					1,8	1,4	1,4	1,4			2,2	1,3	1,7	1,4	1,3	1,4	2,7	1,3	2,1	1,1	1,5	1,4	3,2	1,3	2,5	1,3				
125	110	3,1	1,1							1,7	1,4					2,2	1,3	1,7	1,4			2,8	1,2	2,2	1,3	1,7	1,3	3,5	1,2	2,7	1,3	2	1,3			3,3	1,2	2,4	1,3								
150	132			1,8	1,4			1,2	1,4	2,4	1,3	1,9	1,4	1,5	1,4	3,2	1,2	2,5	1,3	1,9	1,3				3,1	1,2	2,4	1,3				2,9	1,3					3,4	1,2	1,5	1,2						
175	154	1,2	1,3	2,4	1,3	1,9	1,4	1,6	1,3	3,3	1,2	2,6	1,3	2,1	1,3			3,4	1,2	2,6	1,3					3,3	1,2	1,4	1,2							1,7	1,2				2	1,2					
200	176	1,5	1,3	3,2	1,2	2,5	1,3	2,1	1,3			3,4	1,2	2,7	1,3					3,4	1,2	1,5	1,2					1,8	1,2					2,2	1,2			1,4	1,3	2,6	1,2						
250	220	2,4	1,2													1,8	1,2					2,3	1,2				1,5	1,2	2,8	1,1			1,8	1,2	3,4	1,1			2,2	1,2			1,6	1,3			
300	264			1,5	1,2					2	1,2					1,4	1,3	2,6	1,1			1,7	1,2	3,3	1,1			2,2	1,2			1,6	1,3	2,6	1,2			1,9	1,3	3,1	1,1	1,3	1,4	2,3	1,3		
350	308			2	1,2			1,4	1,3	2,7	1,1					1,9	1,2	3,5	1,1			2,4	1,2			1,7	1,3	2,9	1,1			2,1	1,3	3,5	1,1	1,5	1,3	2,6	1,2			1,7	1,3	3,1	1,2		
400	352	1,4	1,3	2,6	1,1			1,9	1,2	3,5	1,1					2,5	1,2			1,8	1,3	3,1	1,1					2,3	1,3			1,6	1,3	2,8	1,2			1,9	1,2	3,4	1,1			2,3	1,2		
450	396	1,7	1,3	3,3	1,1			2,4	1,2	1,7	1,3			3,1	1,1			2,3	1,3			1,6	1,3	2,9	1,2			2	1,2	3,5	1,1			2,4	1,2			2,4	1,2			2,9	1,1				
500	440	2,2	1,2	1,6	1,3			2,9	1,1	2,1	1,3							1,3	2,8	1,2			2	1,2	3,5	1,1			2,5	1,2					3	1,1			3	1,1							
550	484	2,6	1,2	1,9	1,3	1,1	1,3			2,6	1,2	1,5	1,3					1,2	3,4	1,1			2,4	1,2					3	1,1																	
600	528			2,3	1,2	1,3	1,3			3,1	1,1	1,7	1,3					1,2						2,9	1,1					3,5	1,1																

ALBUZ® ESI

6 jets nozzle



ALBUZ® specific body dimensions 11 mm

COORS **LEK**
Amazing Solutions

SPECIFIC CHARACTERISTICS

- ▶ Specific use: liquid fertilizer application,
- ▶ Pink ALBUZ® ceramic calibrated orifice (excellent precision and high wear resistance),
- ▶ ISO colour coded and flow rated but with an ALBUZ® 11 mm plastic body shape. Cap fitted with 7° to 10° offset angle from boom position,
- ▶ Orifices: 6 streams providing very coarse droplets improving fertilizer distribution.

RECOMMENDATIONS

- The recommended boom height is 60 cm (23.6 inches) from the target; that is similar to the ISO 110° flat-fan nozzle height recommendations.

FLOW RATE CHART (GPM)

bar	015	02	025	03	04	05	06
1	0,37	0,52	0,64	0,77	1,03	1,35	1,62
1,5	0,44	0,61	0,76	0,91	1,21	1,56	1,87
2	0,50	0,68	0,85	1,02	1,36	1,73	2,07
2,5	0,55	0,74	0,93	1,12	1,49	1,87	2,25
3	0,60	0,80	1,00	1,20	1,60	2,00	2,40
3,5	0,64	0,85	1,06	1,28	1,7	2,11	2,54
4	0,68	0,9	1,12	1,35	1,8	2,22	2,66

NOZZLE COLOR SELECTION - RECOMMENDED PRESSURE (bar) (1 - 4 bar)

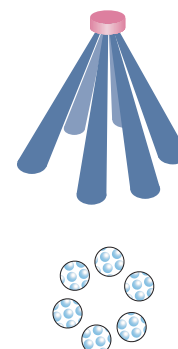
[illegible]

PRESSURE RANGE



from 1
to 4 bar

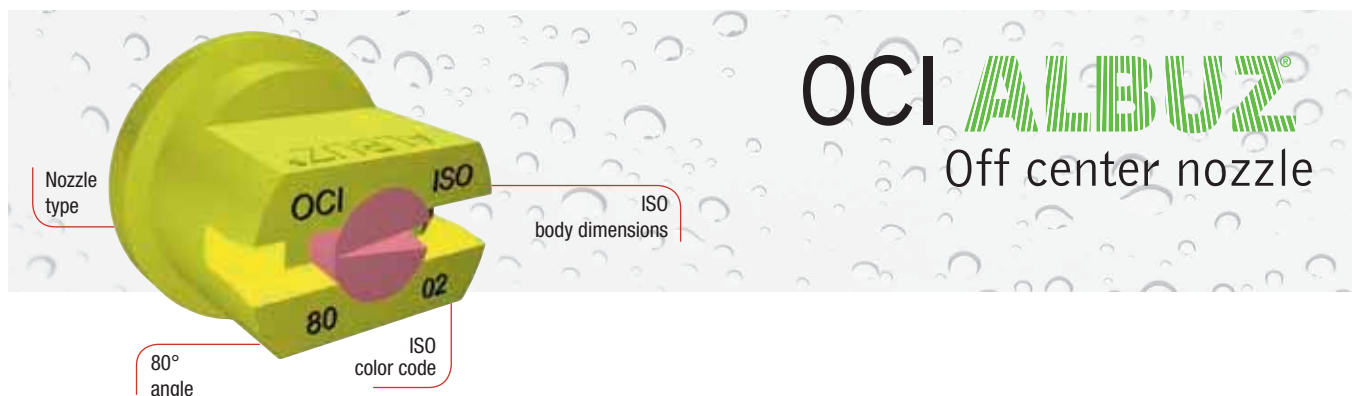
BOOM HEIGHT



60 cm

OTHER

ISO



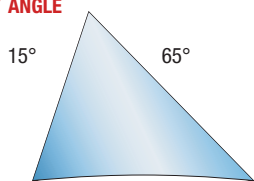
MAIN CHARACTERISTICS

- ▶ Pink ALBUZ® ceramic orifice (excellent precision and high wear resistance).
- ▶ Flat fan pattern angle 80°.
- ▶ Improves applications near sensitive areas: water courses, field edges... (see graphs below).
- ▶ Designed for all types of nozzle holders, using the same cap as ALBUZ® APE nozzles.
- ▶ All types of treatments (pesticides, insecticides, herbicides, etc)
- ▶ **Recommended pressure: 2 bar.**

PRESSURE RANGE



SPRAY ANGLE

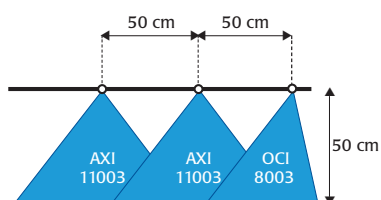


FLOW RATE CHART

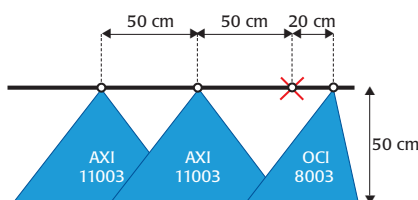
Colour	ISO code		(bar)	l/mn	Litres / hectare - nozzle spacing: 50 cm											
					4 km/h	5 km/h	6 km/h	7 km/h	8 km/h	9 km/h	10 km/h	12 km/h	14 km/h	16 km/h	18km/h	20km/h
YELLOW	OCI 8002	100 Mesh	2	0,65	195	156	130	111	98	87	78	65	56	49	43	39
			3	0,80	240	192	160	137	120	107	96	80	69	60	53	48
			4	0,91	273	218	182	156	137	121	109	91	78	68	61	55
BLUE	OCI 8003	50 Mesh	2	0,98	294	235	196	168	147	131	118	98	84	74	65	59
			3	1,20	360	288	240	206	180	160	144	120	103	90	80	72
			4	1,39	417	334	278	238	209	185	167	139	119	104	93	83
RED	OCI 8004	50 Mesh	2	1,31	393	314	262	225	197	175	157	131	112	98	87	79
			3	1,60	480	384	320	274	240	213	192	160	137	120	107	96
			4	1,85	555	444	370	317	278	247	222	185	159	139	123	111

TREATMENT ON BOOM

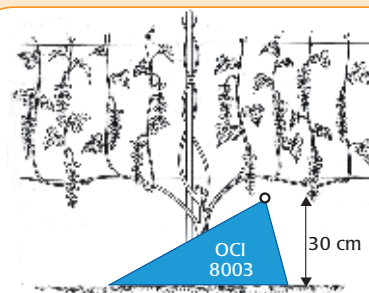
1. Standard



2. Optimum



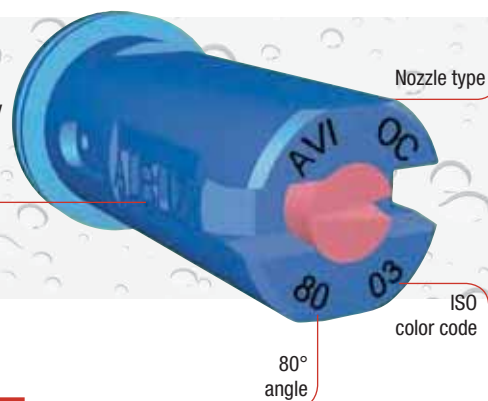
TREATMENT ON PLANTS



ALBUZ® AVI OC

Air injected
off center nozzle

ALBUZ®
specific body
dimensions
11 mm



COORSTEK
Amazing solutions

APPLICATIONS

- ▶ All types of treatments (systemic and contact products) including fertilizers.
- ▶ Designed to be used over a wide range of pressures (from 3 to 5 bar).

MAIN CHARACTERISTICS

- ▶ Pink ALBUZ® ceramic orifice (excellent precision and high wear resistance).
- ▶ Flat fan pattern angle 80°.
- ▶ Designed for all types of nozzle holders, using the same cap as ALBUZ® APE nozzles

SPECIFIC CHARACTERISTICS

- ▶ Air induction spray nozzles (Venturi system): spray large drops filled with air bubbles, which do not drift and produce fine droplets on contact with the plant.
- ▶ Almost totally eliminate 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).
- ▶ **Recommended pressure: 3 bar.**

FLOW RATE CHART

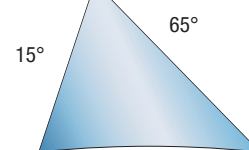
colour	ISO Code		(bar)	l/mn	Litres / hectare - nozzle spacing: 50 cm											
					4 km/h	5 km/h	6 km/h	7 km/h	8 km/h	9 km/h	10 km/h	12 km/h	14 km/h	16 km/h	18km/h	20km/h
ORANGE	AVI OC 8001	100 Mesh	3	0,40	120	96	80	69	60	53	48	40	34	30	27	24
			4	0,46	138	110	92	79	69	61	55	46	39	35	31	28
			5	0,52	156	125	104	89	78	69	62	52	45	39	35	31
GREEN	AVI OC 80015	100 Mesh	3	0,60	180	144	120	103	90	80	72	60	51	45	40	36
			4	0,69	207	166	138	118	104	92	83	69	59	52	46	41
			5	0,77	231	185	154	132	116	103	92	77	66	58	51	46
YELLOW	AVI OC 8002	100 Mesh	3	0,80	240	192	160	137	120	107	96	80	69	60	53	48
			4	0,91	273	218	182	156	137	121	109	91	78	68	61	55
			5	1,03	309	247	206	177	155	137	124	103	88	77	69	62
LILAC	AVI OC 80025	50 Mesh	3	1,00	300	240	200	171	150	133	120	100	86	75	67	60
			4	1,15	345	276	230	197	173	153	138	115	99	86	77	69
			5	1,29	387	310	258	221	194	172	155	129	111	97	86	77
BLUE	AVI OC 8003	50 Mesh	3	1,20	360	288	240	206	180	160	144	120	103	90	80	72
			4	1,39	417	334	278	238	209	185	167	139	119	104	93	83
			5	1,55	465	372	310	266	233	207	186	155	133	116	103	93
RED	AVI OC 8004	50 Mesh	3	1,60	480	384	320	274	240	213	192	160	137	120	107	96
			4	1,85	555	444	370	317	278	247	222	185	159	139	123	111
			5	2,07	621	497	414	355	311	276	248	207	177	155	138	124

PRESSURE RANGE

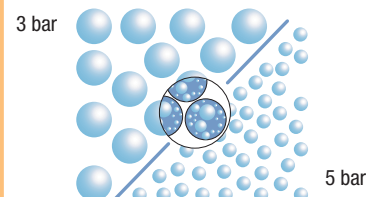


from 3
to 5 bar

SPRAY ANGLE

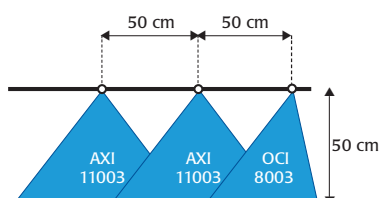


DROPLET SPECTRUM

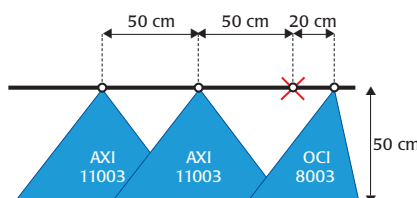


TREATMENT ON BOOM

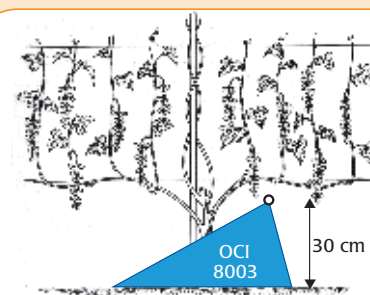
1. Standard



2. Optimum



TREATMENT ON PLANTS



ORCHARD / VINEYARD

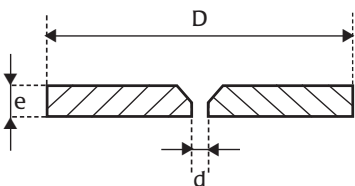


DRAWING 1 TABLE

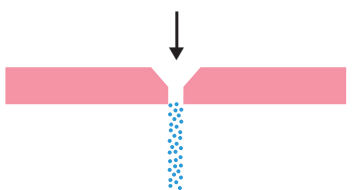
REF	7010	7011	7012	7015	7018	7020	7023	15007	15008	15010	15012	15015	15018	15020	15023	15030	15040	15060	18008	18010	18012	18015	18018	18020	18023
D (mm)	7							15											18						
d* (mm)	1,0	1,1	1,2	1,5	1,8	2,0	2,3	0,7	0,8	1,0	1,2	1,5	1,8	2,0	2,3	3,0	4,0	6,0	0,8	1,1	1,2	1,5	1,8	2,0	2,3
e (mm)	3,1							3,5											2,5						

* indicative values

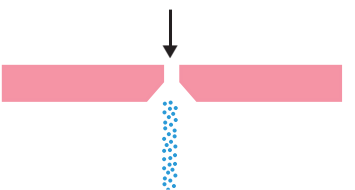
DRAWING 1



DRAWING 2



DRAWING 3



DRAWING 2 TABLE

bar	Litres / mn								
	AMT ..007	AMT ..008	AMT ..010	AMT ..012	AMT ..015	AMT ..018	AMT ..020	AMT ..023	AMT ..040
2	0.42	0.54	0.91	1.14	1.88	2.54	3.09	3.98	12.28
3	0.51	0.66	1.10	1.39	2.27	3.12	3.77	4.91	15.06
4	0.59	0.75	1.25	1.60	2.60	3.60	4.35	5.70	17.40
5	0.65	0.83	1.38	1.78	2.89	4.03	4.86	6.40	19.46
10	0.91	1.15	1.89	2.51	3.99	5.70	6.85	9.17	27.56
15	1.10	1.39	2.27	3.06	4.82	6.98	8.37	11.31	33.78
20	1.27	1.59	2.59	3.52	5.51	8.06	9.65	13.13	39.03
30	1.54	1.92	3.11	4.30	6.65	9.88	11.80	16.20	47.84
50	1.96	2.43	3.91	5.52	8.44	12.76	15.20	21.12	61.83

DRAWING 3 TABLE

bar	Litres / mn								
	AMT ..007	AMT ..008	AMT ..010	AMT ..012	AMT ..015	AMT ..018	AMT ..020	AMT ..023	AMT ..040
2	0.41	0.43	0.65	0.94	1.42	1.98	2.46	3.18	10.13
3	0.50	0.53	0.79	1.15	1.73	2.42	3.02	3.90	12.41
4	0.57	0.61	0.91	1.32	2.00	2.80	3.50	4.50	14.33
5	0.64	0.68	1.01	1.47	2.23	3.13	3.92	5.03	16.03
10	0.89	0.95	1.42	2.07	3.15	4.43	5.58	7.12	22.68
15	1.08	1.16	1.74	2.53	3.85	5.42	6.87	8.72	27.79
20	1.24	1.34	2.00	2.92	4.44	6.26	7.95	10.07	32.09
30	1.50	1.63	2.44	3.56	5.43	7.67	9.78	12.33	39.32
50	1.92	2.09	3.13	4.58	6.99	9.90	12.68	15.92	50.79

VARIOUS COMPONENTS

ALBUZ®

Find our range on
www.albuz-spray.com

COORSTEK
Amazing solutions

NOZZLE BLISTER PACKAGING

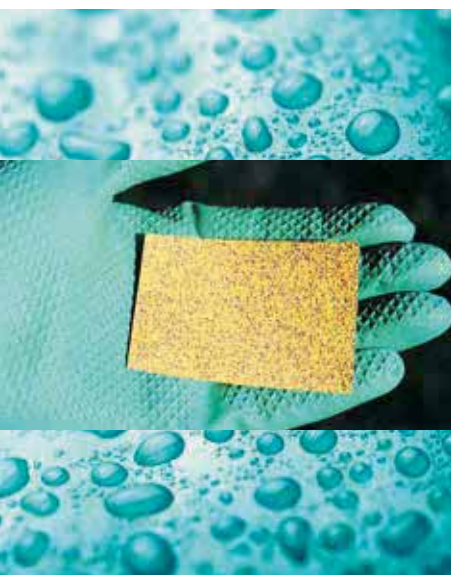
This packaging has been especially designed for self-service. nozzles are packed in blisters of 8 pieces except for AVI/OC models and OCI (2 nozzles per blister).

On the back of the cardboard label you will find the flow rate chart.



WATER SENSITIVE PAPER

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



Oleo sensitive paper		
Reference	Paper size	Quantity per pack
039 549	76 mm x 52 mm	50 cards

Water sensitive paper		
Reference	Paper size	Quantity per pack
039 547	76 mm x 26 mm	50 cards
039 548	76 mm x 52 mm	50 cards

NOZZLE CLEANING BRUSH

The maintenance of your nozzles is essential. While protecting your nozzles, you save money and time.

- ▶ Winterizing:
Do not forget to clean your nozzles before winter.
- ▶ Unclogging:
Remove the nozzles from the nozzle holder and brush them with our ALBUZ® nozzle cleaning brush (important: do not use metal materials such as a knife or wire, which will damage the nozzle).
- ▶ Cleaning :
Blow compressed air into the nozzle (do not blow with your mouth). Rinse the nozzles using a descaling agent (e.g. Antikal).

After cleaning, ALBUZ® nozzles will be in perfect condition for the next use.



TECHNICAL INFORMATION

COORS^{TEK}
Amazing Solutions™

ALBUZ

SPRAYER CALIBRATION

1 - FIELD CROP SPRAYERS

► Driving speed (km/h) =

$$\frac{\text{Distance (m)} \times 3,6}{\text{Time (secs)}}$$

► Application volume (l/ha) =

$$\frac{600 \times \text{l/min (per nozzle)}}{\text{Nozzle spacing (m)} \times \text{km/h}}$$

► Required pressure (bar) =

$$\left(\frac{\text{Required output (l/min)}}{\text{Known output (l/min)}} \right)^2 \times \text{Known pressure (bar)}$$

► Nozzle output =

$$\frac{\text{Nozzle spacing (m)} \times \text{l/ha} \times \text{km/h}}{600}$$

2 - AIR ASSISTED SPRAYERS

► Determination the size of the nozzles:

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

total l/min =

$$\frac{\text{Row width (m)} \times \text{l/ha} \times \text{km/h}}{600}$$

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



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	0.26417 GPM	0.1069 GPA	0.3937 inch	0.62 mile/h

FILTERS

FILTERS PROTECT NOZZLE PERFORMANCE

A clogged or partially clogged nozzle will be less efficient in spraying your treatments, because it changes the nozzle flowrate and spray pattern. Please ensure that you select the correct filter to use with the specific nozzles you are using, as per our recommendations.

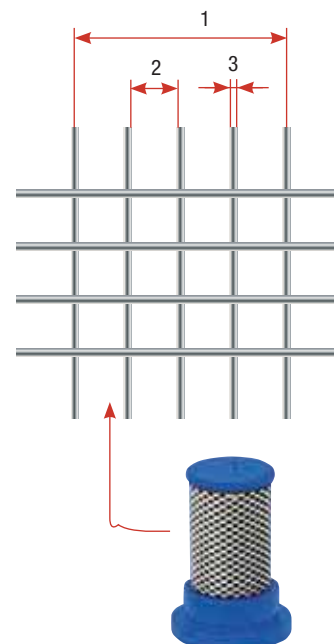
FILTER CHOICE

There are various models of filters. You will find information in the chart to help you to choose the correct filter.

Presentation of filter models according to ISO 19 732 standard		
Color	Number of wires per inch* (1)	spacing between wires(2) X Diameter of wire (mesh) (3)
Brown	16	1.25 x 32 - 1.40 x 0.25
Red	25/30	0.45 x 0.32 - 0.63 x 0.16
Blue	50/60	1.25 x 32 - 1.40 x 0.25
Yellow	80	0.18 x 0.14 - 0.23 x 0.10
Green	100	0.14 x 0.11 - 0.18 x 0.08
Orange	150	0.10 x 0.07
Pink	200	0.07 x 0.06 - 0.08 x 0.05

* 1 inch = 2,54 cm

SKETCH OF A MESH



LIQUID FERTILIZERS

Flow rate charts in this catalogue are based on clean water. In order to determine the volume of liquid fertilizer per hectare, use the appropriate conversion factor so as to adapt it to our flow rate charts. Multiply the required flow rate of liquid (in l per min) by the conversion factor of water. The new flow rate obtained in l per min will be found in the flow rate chart; from that value one can find the appropriate nozzle. For example: 150 l/ha of a nitrogen solution at 1.28 kg/l x 1.13 = 170 l/ha of water.

Density - kg/l	Conversion factors
1.00 - WATER	1.00
1.08	1.04
1.20	1.10
1.28 - NITROGEN	1.13



NOZZLE CROSS-REFERENCE CHART

LEGEND

Plastics 

Ceramics 

Stainless steel 

					
 AXI	SPRAY MAX	VP	LU-C	XR	
 ADI		LO-DRIFT	AD-C	DG	
 CVI	AIRMIX	GUARDIAN	IDK	AIXR	
 AVI	TURBODROP	DB	ID	AI	
 AVI OC	AIRMIX OC		IDN	AIUB	
 AVI TWIN	AIRMIX DS	TWC + DB (x2)	IDKT	TIJ	
 ATR		HCX	TR	TXB	
 TVI	AIRMIX HC		ITR	AITXB	
 ESI-EXA			FL	SJ7	SJ3
 APM	DT	DT	FT	TF	
 MVI					





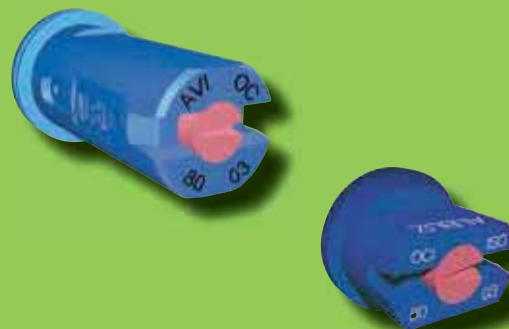
COORSTEK Advanced Materials France

Zone industrielle N°1
rue de l'industrie
27000 Evreux - France
Tél. +33 2 32 29 42 01
Fax +33 2 32 39 33 10

→ WWW.ALBUZ-SPRAY.COM

Your distributor

Accuracy
that **lasts and lasts**



CoorsTek and ALBUZ® are registered trademarks of CoorsTek, Inc.
©2013 CoorsTek, Inc. J1101 8510-1762-EN
Doc. 039561 Rev G - 10/2013