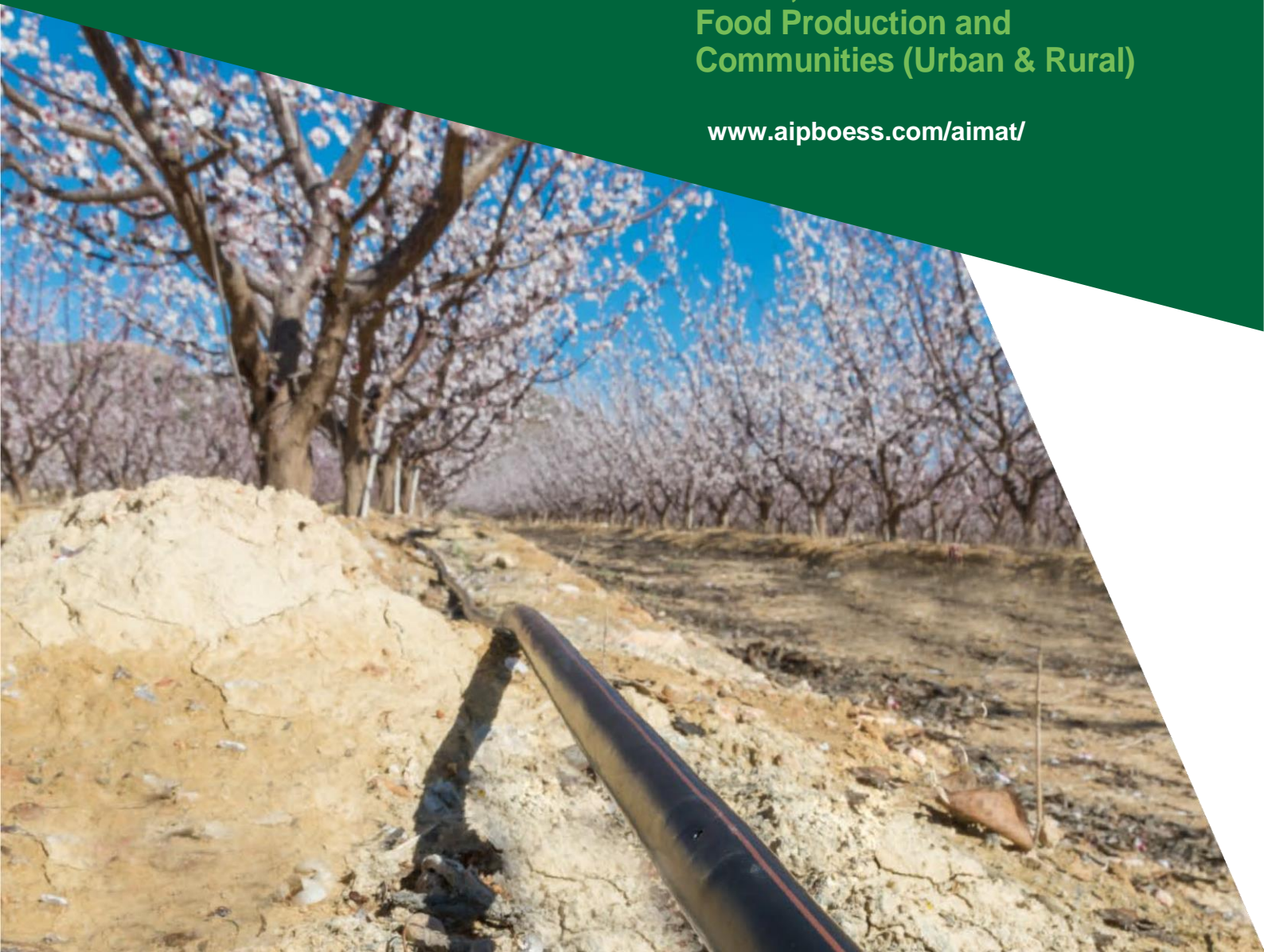




AZUD

Water 4:
Farms,
Food Production and
Communities (Urban & Rural)

www.aipboess.com/aimat/



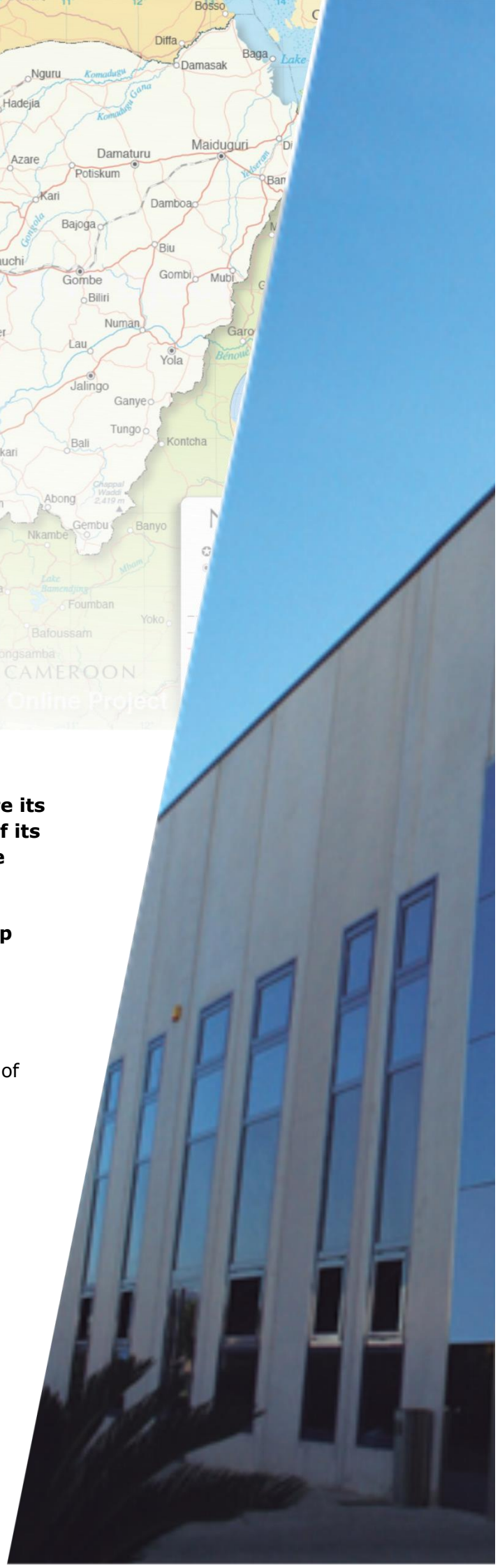
The logo for AZUD, consisting of the word "AZUD" in white, bold, uppercase letters on a dark green rectangular background.A detailed map of Nigeria showing major cities, rivers, and geographical features. The map is overlaid with a blue and white diagonal graphic element on the right side. The title "The Culture of Water" is written in large green letters over the map.

The Culture of Water

AZUD is one of the world's leaders in irrigation systems. The company has been able to measure its success based on the satisfaction of hundreds of its customers from around the world. This principle has been transmitted to all its approved and authorised partners all over the world and it is understood by us at The AIMAT Co who also help shape the success of AZUD.

AZUD'S headquarters is in one of the driest areas of Spain with historical challenges brought on by the scarcity of water. Interestingly enough, it is also one of the successful agricultural areas in Europe. This has helped formulate one of AZUD's main goals – the rational and efficient use of water

With customised solutions for every market, AZUD is present in more than 70 countries across all five continents through approved partners like The AIMAT Co here in Nigeria.



Product and Process Innovation

AZUD has important patents and unique innovations. Right from the start, the Company dedicated huge human and capital resources to the research and design of products and solutions that help control and manage water.



Quality and environment

AZUD has achieved and is determined to retain the highest technical quality standards based on ISO9001. We were one of the first companies in this sector to introduce the environmental management system certified under ISO 14001 standard



Drip Solutions

Self compensating device



The design and employed technology means that it will perform against a wide range of pressures. The three dimensional filters at the base of the emitter help to prevent particles from clogging the pipes.

Our Drip solution incorporates an advanced self compensating system that is highly efficient.



DS Technology

Anti-clogging efficiency

We use DS Technology in the design of AZUD drippers. This deeply studied and researched technology offers the following features and benefits:

- ✓ Width and deep flow path
- ✓ Wide and accurate filter of water entrance
- ✓ Maximum hydrodynamic efficiency
- ✓ Maximum anti-clogging efficiency
- ✓ Self cleaning emitters
- ✓ Wide lateral length with uniform discharge
- ✓ Low clogging potential
- ✓ Overall reliability

The performance of the drip emitters generates two types of flows. The main one, with very high speed allows for the self cleaning of the emitters and the second, is high turbulence which contributes to a dynamic protection system – this guarantees the effective elimination of the particles that were inside the drip emitter.



DS Technology
Anti-clogging efficiency

AZUD PREMIER PC, PC AS, CNL and HCNL

Pressure compensating bond-on emitter in
AZUD multi-seasonal driplines.

Diameter: 16 mm - 20 mm

Thickness: 0.9 mm - 1.0 mm - 1.1 mm - 1.2 mm

Models: 1L - 1.6L - 2L - 2.3L - 3L - 3.5L

AZUD PREMIER_{PC AS}

Emitter designed for subsurface drip irrigation

- Pressure-compensating and anti-siphon
- Wide labyrinth path
- High clogging resistance



DS Technology
Anti-clogging efficiency

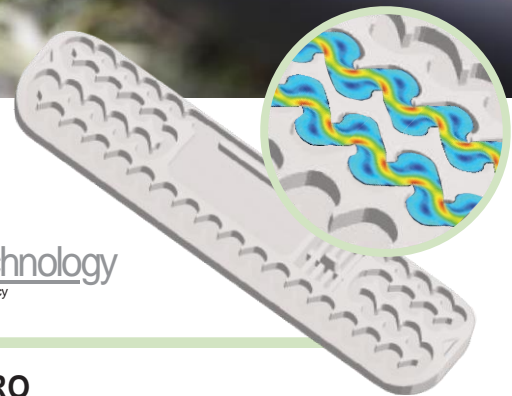
AZUDGENIUNPC

Pressure compensating bond-on emitter in AZUD multi-seasonal driplines.

Diameter: 160

Thickness: 0.63 mm (25 mil) - 0.70 mm (28 mil) - 0.80 mm (32 mil) - 0.90 mm (35 mil) - 1.00 mm (39 mil)

Models: 1L - 1.6L - 2L - 3.8L



DS Technology
Anti-clogging efficiency

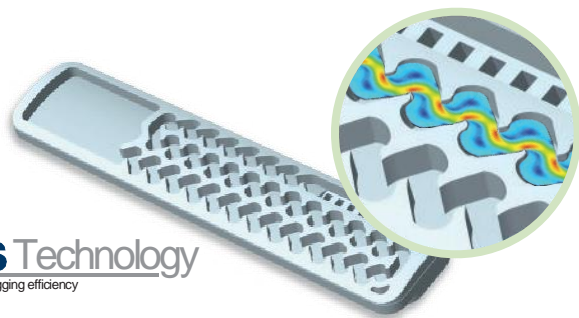
AZUDPRO

Flat bond-on emitter in AZUD multi-seasonal dripline.

Diameter: 16 mm - 20 mm

Thickness: 0.9 mm - 1.0 mm - 1.1 mm

Models: 1L - 1.6L - 2L - 4L



DS Technology
Anti-clogging efficiency

AZUD SEDAN

Flat bond-on emitter in AZUD multi-seasonal driplines.

Diameter: 160

Thickness: 0.63 mm (25 mil) - 0.70 mm (28 mil) - 0.80 mm (32 mil)

Models: 1.6L - 2L



AZUD SPRINT

Flat emitter in AZUD low thickness dripline.

Durability and resistance in a complete range for seasonal driplines.

Diameter: 160 (16 mm inner diameter)

220 (22.2 mm inner diameter)

Thickness: 0.15 mm (6 mil) - 0.20 mm (10 mil) - 0.25 mm (8 mil) - 0.30 mm (12 mil)

Models: 0.7L - 1L - 1.6L - 2.1L



AZUD FIT PLUS

Wide range, more safety in fittings.

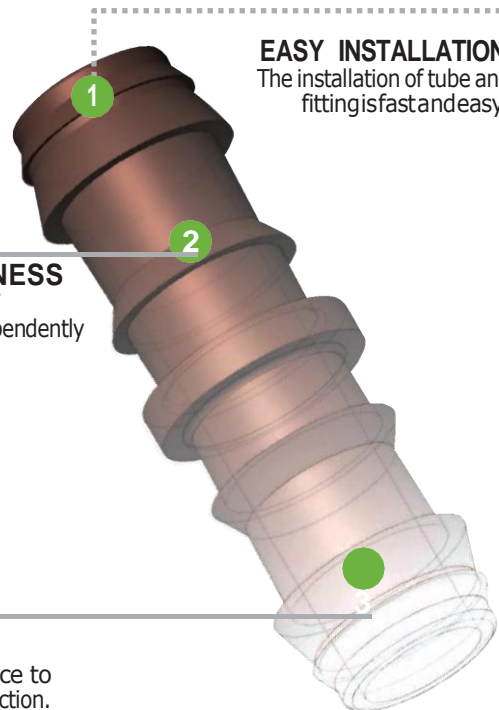
AZUD innovates in drip irrigation, developing a wide range of security fittings which, in just one part, without rings, secures the watertightness of the connection; keeping an easy, quick and comfortable installation.

WATERTIGHTNESS

Total guarantee of watertightness independently of pressure levels.

SAFETY

Maximum resistance to mechanical disconnection.



EASY INSTALLATION

The installation of tube and fitting is fast and easy.

Drippers

The wider range of pressure-compensating and non-drain on-line drippers allow to cover the growing requirements and design of those fields with wide lateral lengths, independently of pressure and topography.

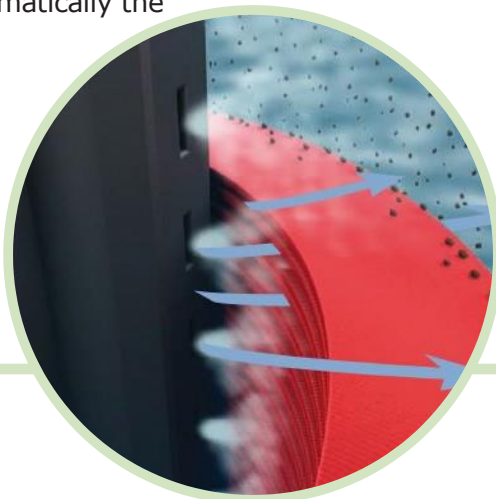
Models: 2.2L - 3L - 4L - 8L - 12L - 25L.



Automatic Water Filtration for Food Production and Communities

All AZUD HELIX AUTOMATIC Filtration equipment offer complete autonomy, thanks to the perfect integration of all its components.

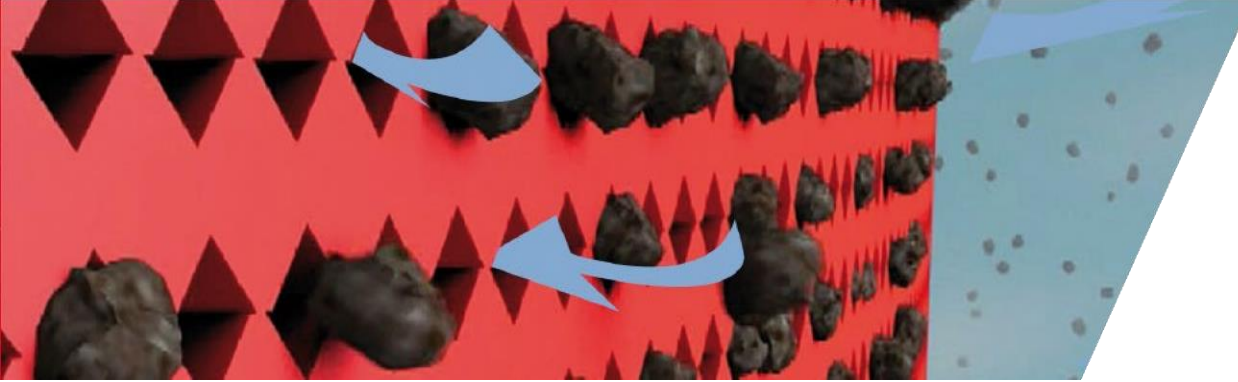
The mechanism developed by AZUD allows backflushings to happen sequentially, so only one station is in backflushing mode at a time and the rest continue in filtering mode. AZUD HELIX AUTOMATIC equipment are very easy to install: they have a self-supporting structure and they are delivered completely assembled, decreasing dramatically the labour costs.



AZUD HELIX AUTOMATIC DLP

Low Pressure filtration system,
compatible with all AZUD ranges.





AZUD HELIX AUTOMATIC 200 / 300 DLP

In-line equipment with filtering element operated with 2" or 3" valves.
220 m³/h // 968 gpm maximum flow.



AZUD HELIX AUTOMATIC 4DCL DLP

In-line equipment with groups of two independent filtering elements operated with 3" valves.
624 m³/h // 2.748 gpm maximum flow.

Automatic screen filters



The AZUD LUXON automatic screen filters complete the range of AZUD solutions.

AZUD LUXON filters offer a wide range of filtration grades and fulfil AZUD's promise for water saving. Because each drop of water is important.

Designed to suit any need, the AZUD LUXON range includes hydraulic and electric screen filtration equipment. Manufactured with stainless steel 316L screen cartridge and PVC, stainless steel 316L or PP molded support structure. In the case of the electric models, the filtering element made of stainless steel AISI 316 with 4 solderless floating layers, make the most of the filtering surface.



AZUD LUXON MFH

Filtration range: 80 to 1000 micron (M.S.).
Models from 4" to 12" / 100 to 300 mm.
Suitable to work with temperatures until 60 °C / 140 °F.
Large filtration surface.
Maximum flow: 564 m³/h / 2.483 gpm.



AZUD LUXON LCA

Filtration range: 80 to 1000 micron (PVC/M.S.).
 Models from 2" to 10" / 50 to 250 mm.
 Suitable to work with temperatures until 60 °C / 140 °F.
 Large filtration surface.
 Maximum flow: 338 m³/h / 1.448 gpm.



AZUD LUXON LDB

Filtration range: 80 to 1000 micron (PVC/SS/M.S.).
 Models from 2" to 20" / 50 to 500 mm.
 Maximum flow: 1065 m³/h / 4.690 gpm.
 Large filtration surface.
 Suitable to work with temperatures until 60 °C / 140 °F.



AZUD LUXON MFE

Filtration range:
 80 to 1000 micron (M.S.).
 Models from 4" to 12" / 100 to 300 mm.
 Maximum flow: 564 m³/h / 2.483 gpm.
 Large filtration surface.
 Suitable to work with temperatures until 60 °C / 140 °F.



Manual filters

Our ranges AZUD MODULAR 100, AZUD AGL, AZUD SPIRAL CLEAN, AZUD MODULAR 300 and AZUD HELIX SYSTEM make up a wider modular range with different types of connections; grooved connection, BSP and NPT thread, and connection diameter from 3/4" to 4".



AZUD HELIX Helical centrifuge effect

Clogging delayer system.
Optimization of the performance
and minimum frequency and
intensity of the maintenance
labours.



AZUD MODULAR 100

Modular filters made of technical plastic with discs and screen. Diameters 3/4", 1", 1 1/4", 1 1/2", 1 1/2" SUPER and 2".



AZUD AGL

Modular filters made of technical plastic with discs and screen.
Diameters 2", 2" SUPER, 3" COMPACT, 3".



AZUD SPIRAL CLEAN

Semiautomatic filters made of technical plastic with screen.
Diameters 2", 2" SUPER, 3" COMPACT, 3".



AZUD MODULAR 300

Modular filters made of technical plastic with screen.
Diameters 2", 2" SUPER, 3" COMPACT, 3", 4", 4" SUPER and 6".



AZUD HELIX SYSTEM

Modular filters made of technical plastic with discs with AZUD HELIX element incorporated.
Diameters 2", 2" SUPER, 3" COMPACT, 3", 4", 4" SUPER and 6".

Now also available with technical plastic clamp.

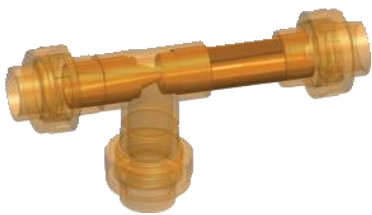




AZUD QGROW

AZUD QGROW is a complete fertigation system. The base of the system is AZUD QGROW injector.

- High control in dosage and fractioning of fertilizers.
- High autonomy of the system.
- Simultaneous application of all the fertilizers needed by the crop.



AZUD QGROW injector

- ✓ This injector is based on venturi effect with the highest injection ratio (injected flow/flow) of the market.
- ✓ Wide range of injection flows. Easy regulation.
- ✓ Allows an easy automation of the injection process.
- ✓ Modular system. Specially designed to be incorporated in multi-injection systems.

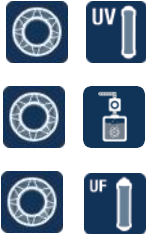


AZUDWATERTECH RW

Disinfection Plants

For the benefit of plant health, our systems eliminates potentially infectious pathogens and viruses

- Disc and ultraviolet
- Disc and Ozone
- Disc and Filtration



AZUDWATERTECH OSM

Compact Desalination Plant.

Avoids ion concentration toxicity (Cl-, Na+B)





AZUD

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