

### Material

- Tubes: Polyethylene (PE)
- Components: Polypropylene (PP)
- 100% recyclable
- Polyethylene hose with filtering cloth to protect against clogging up
- Extra perforation for better aeration (AirMax) and for better distribution of water (AquaMax)



## Aeration & Irrigation

# Aeration & Irrigation

Many (young) trees, shrubs and hedges in urban environments suffer from drought or lack of oxygen to the roots. This is usually caused by a compacted soil structure and/or the fact that rainwater hardly penetrates the soil. The AirMax aeration system and the AquaMax irrigation system is a highly effective and easy to install system for the convenient irrigation of trees.

All AirMax and AquaMax hoses and tubes are as standard provided with a polyester filtering cloth that allows an even infiltration of water (when used as irrigation) and a minimum of 45% diffusion (when used as aeration).

### Example of installation AirMax Aeration

Tree Diameter	Tree height	Tube length horizontal	Tube length vertical
8 - 16 cm	< 3 m	2 m <sup>1</sup>	1 m <sup>1</sup>
16 - 25 cm	3 - 5 m	2,5 m <sup>1</sup>	1 m <sup>1</sup>
25 - 45 cm	5 - 7 m	4,5 m <sup>1</sup>	1 m <sup>1</sup>
> 45 cm	> 7 m	7,5 m <sup>1</sup>	1 m <sup>1</sup>

Ø Tube horizontal: 80 mm  
Ø Tube vertical: 80 mm

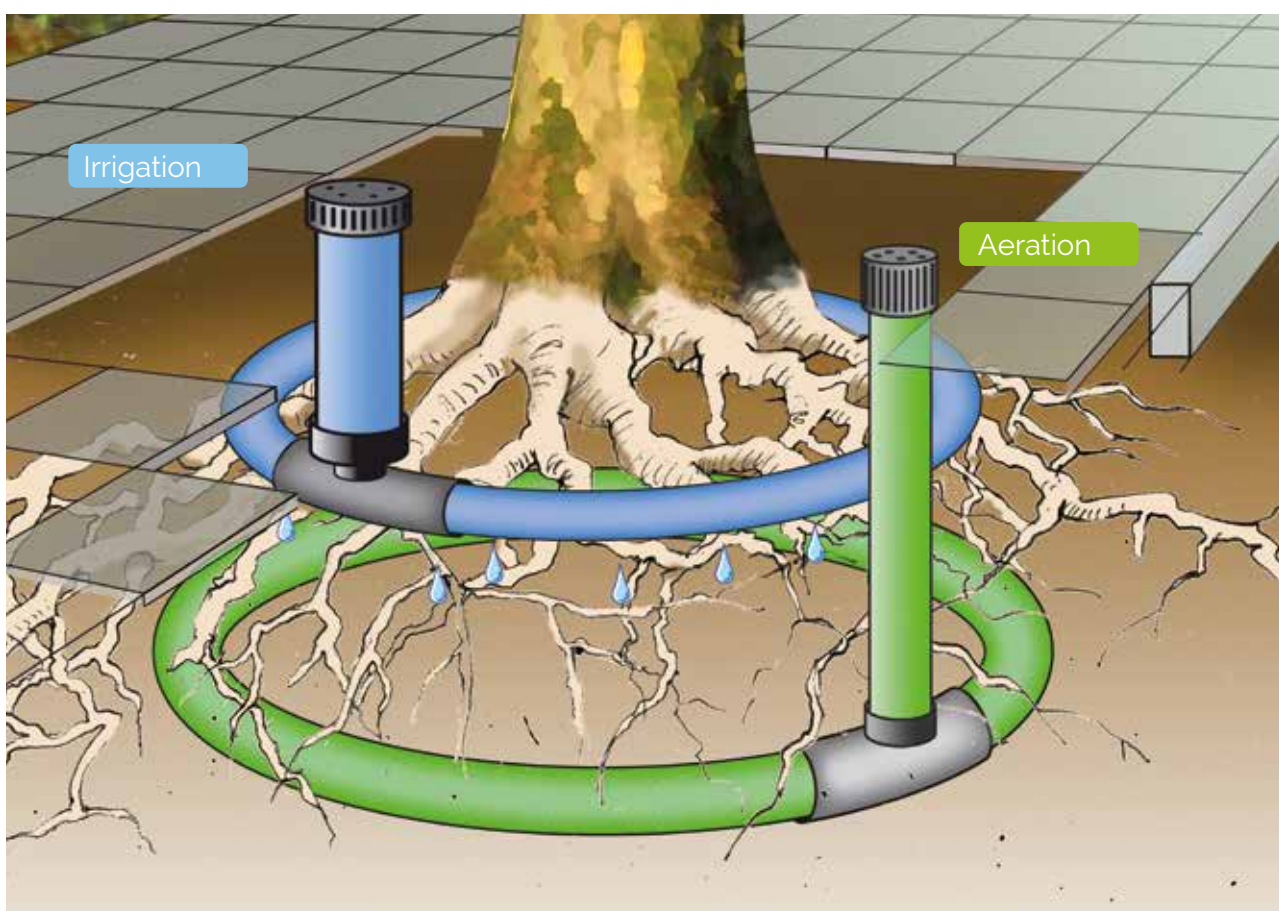
### Example of installation AquaMax Irrigation

Tree Diameter	Tree height	Tube length horizontal	Tube length vertical
8 - 16 cm	< 3 m	2 m <sup>1</sup>	0,5 m <sup>1</sup>
16 - 25 cm	3 - 5 m	2,5 m <sup>1</sup>	0,5 m <sup>1</sup>
25 - 45 cm	5 - 7 m	4,5 m <sup>1</sup>	0,5 m <sup>1</sup>
> 45 cm	> 7 m	7,5 m <sup>1</sup>	0,5 m <sup>1</sup>

Ø Tube horizontal: 80 mm  
Ø Tube vertical: 80 mm

## Components











	<p>Flexible Irrigation/Aeration hose  PE Ø 80 mm Type: AMS80  PE Ø 100 mm Type: AMS100  PE Ø 160 mm Type: AMS160  50 m1 per roll</p>
	<p>Flexible Irrigation/Aeration hose including woven filtering cloth  PE Ø 80 mm Type: AMS80K  50 m1 per roll  PE Ø 100 mm Type: AMS100K  50 m1 per roll  PE Ø 160 mm Type: AMS160K 25 m1 per roll</p>
	<p>Flexible Irrigation/Aeration hose including coconut filtering cloth  PE Ø 80 mm Type: AMS80C  PE Ø 100 mm Type: AMS100C  50 m1 per roll</p>
	<p>Flexible Irrigation/Aeration hose encased in polypropylene 450  PE Ø 80 mm Type: AMS80PP  PE Ø 100 mm Type: AMS100PP  50 m1 per roll</p>
	<p>AirMax 45 Aeration hose 45% perforated including woven filtering cloth  PE Ø 80mm Type: AMB80K  PE Ø 100 mm Type: AMB100K  Standard dimensions 1.05 m and 2.10 m   Other dimensions available on request Read more on page 48</p>



### Components

	<p>Bend pipe 90 degrees PP Ø 80 mm Type: AM80 Bend pipe PP Ø 100 mm Type: AM100 Bend pipe</p>		<p>T-piece PP Ø 80 x 160 x 80 mm Type: AMT80 x 160 x 80 PP Ø 100 x 160 x 100 mm Type: AMT100 x 160 x 100</p>
	<p>T-piece PP Ø 80 x 80 x 80 mm Type: AMT80 PP Ø 100 x 100 x 100 mm Type: AMT100 PP Ø 160 x 160 x 160 mm Type: AMT160</p>		<p>Connector PP Ø 80 mm Type: AMK80 PP Ø 100 mm Type: AMK100</p>
	<p>AirMax Connector PP Ø80x80x80mm</p>		

## End caps components

	<p>Circular Endcover Grid: plastics or steel 100 x 100 mm Type: AME100KC</p> <p>Circularly produced from our own recycling process</p>		<p>End cover with screw lid PP Ø 80 mm Type: AME80 Screw</p>
	<p>Click-fit end cover with 5 air holes PP Ø 80 mm Type: AME80L PP Ø 100 mm Type: AME100L PP Ø 160 mm Type: AME160L</p>		<p>End cover hot-dip galvanised steel RAL 9005, powder coated PP Ø 80 mm, steel thickness 1 mm Type: AMRound80</p>
	<p>End cap hot-dip galvanised steel grid* 100 x 100 mm Type: AMTHERM10 Small</p>		<p>End cap hot-dip galvanised steel grid* 170 x 170 mm Type: AMTHERM17 Large</p>
	<p>End cap stainless steel grid* 100 x 100 mm Type: AMRVS10 Small</p>		<p>End cap stainless steel grid* 170 x 170 mm Type: AMRVS17 Large</p>
	<p>End cap sherardized grid* 100 x 100 mm Type: AMSTEEL10 Small</p>		<p>End cap sherardized grid* 170 x 170 mm Type: AMSTEEL17 Large</p>
	<p>End cap Corten steel grid* 100 x 100 mm Type: AMCORTEN10 Small</p>		<p>End cap Corten steel grid* 170 x 170 mm Type: AMCORTEN17 Large</p>

- \* All steel end caps: undertray galvanised
- \* Colour deviations possible
- \* Leaf grate optionally available in the steel end caps, always supplied without.

# AquaMax BIO

AirMax/AquaMax BIO is a compostable aeration/irrigation system produced from corn and the bio synthetic granulate Cradonyl®.

All components are biodegradable and will begin to decompose within 3 to 5 years. It is therefore a much more durable solution than the standard plastic systems. Undergrundaeration and irrigation desperately needs the tree for the first few years after planting, after which the system is superfluous and the plastics remain useless in the ground.

## Advantages

- Natural resources
- 40% Reduction of CO2 gasses during the production process
- Sustainable and environmentally friendly
- In the right circumstances the system is completely compostable



AirMax Bio meets all the requirements of biodegradability (biodegradable) according to the standards EN13432, ASTM D6400, Vincotte OK Compost.

## Components

	<p>Irrigation/Aeration hose Bio            Ø 80 mm            50 m1 per roll            100% biodegradable            Type: CNBS80            Type: CNBSK80 (incl. coconut filtering cloth)</p>		<p>Connector bio            Ø 80 mm            100% biodegradable            Type: CNMK80</p>
	<p>T-piece Bio            80 x 80 x 80 mm 100% biodegradable            Type: CNT80</p>		<p>Click-fit end cover Bio            Ø 80 mm            100% biodegradable            Type: CNEK80</p>
	<p>End cover with screw lid Bio            Ø 80 mm            100% biodegradable            Type: CNES80</p>		<p>Click-fit end cover Bio with aeration holes            Ø 80 mm            100% biodegradable            Type: CNEG</p>