

airter[®]
Empowering Sports Turf

airter[®] light 14160:
Homogeneous deep aeration with fresh
oxygen for hybrid and natural sports turf
as well as various areas on golf courses



Real aeration for the best sports turf!

SWISS  INNOVATION

made by **NOVOKRAFT**

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airter® – the active hybrid, sports and golf lawn care

The airtter® light 14160 is a pneumatic soil aeration device for turf maintenance professionals and contracting service providers. This easy-to-operate implement breaks up compacted root zone homogeneously down to a depth of approx. 22 cm and supplies fresh oxygen directly to the roots. As a result, the immune system of the grass plant becomes more resistant and vital and you'll get an overall healthier lawn.

With the airtter® light 14160, you can aerate the root zone of e.g. a football pitch sized area with up to 1 million liters of oxygen in an

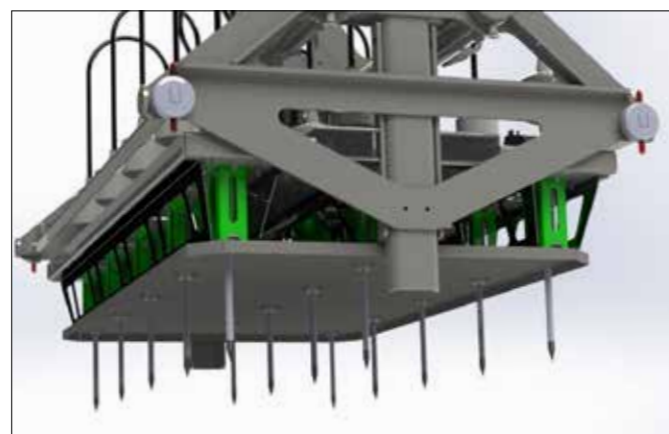
efficient, continuous working process. The machine would process such area within just one working day based on its large effective width and high productivity.

The applied pressure can be adapted to the individual soil conditions and infinitely adjusted to achieve the optimum aeration result for your lawn. At the same time the new airsoftroll® roller technology guarantees the lowest possible ground pressure. At correct settings of the airtter® light 14160, you'll achieve a long-lasting aeration effect to allow the grass roots to regenerate.

airter® light 14160 – that's what it is all about

High-pressure air injection in line

The airtter® light 14160 has a total of 14 lances, specifically developed for high pressure air injection. Each lance is combined with an individual pressure tank to inject the air into the ground in a controlled, uniform and high-pressure manner through its triple nozzles.



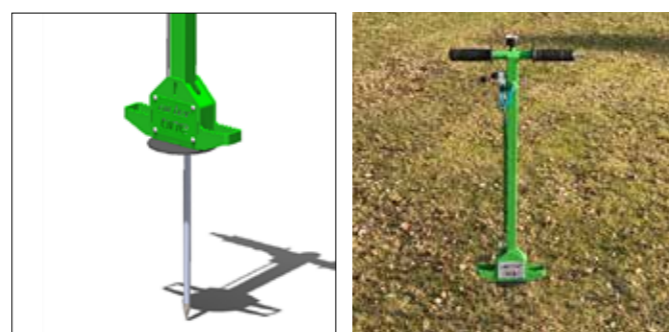
Active and full-surface root canal treatment

All airtter® products aerate the root zone homogeneously and with full coverage without any significant visible damage to the top surface. The penetration depth can be selected to match local soil conditions by using different lances so the soil compaction can be reduced up to 30% (verifiably tested). As a result, water flow and air circulation improve remarkably.



airter® one – the small and fine aerator

The airtter® one, developed for manual injection, is the ideal complement to the airtter® light 14160 to aerate areas that are more difficult to access. For greatest possible flexibility the airtter® one can therefore be connected directly to the airtter® light 14160 or to a separate small compressor.



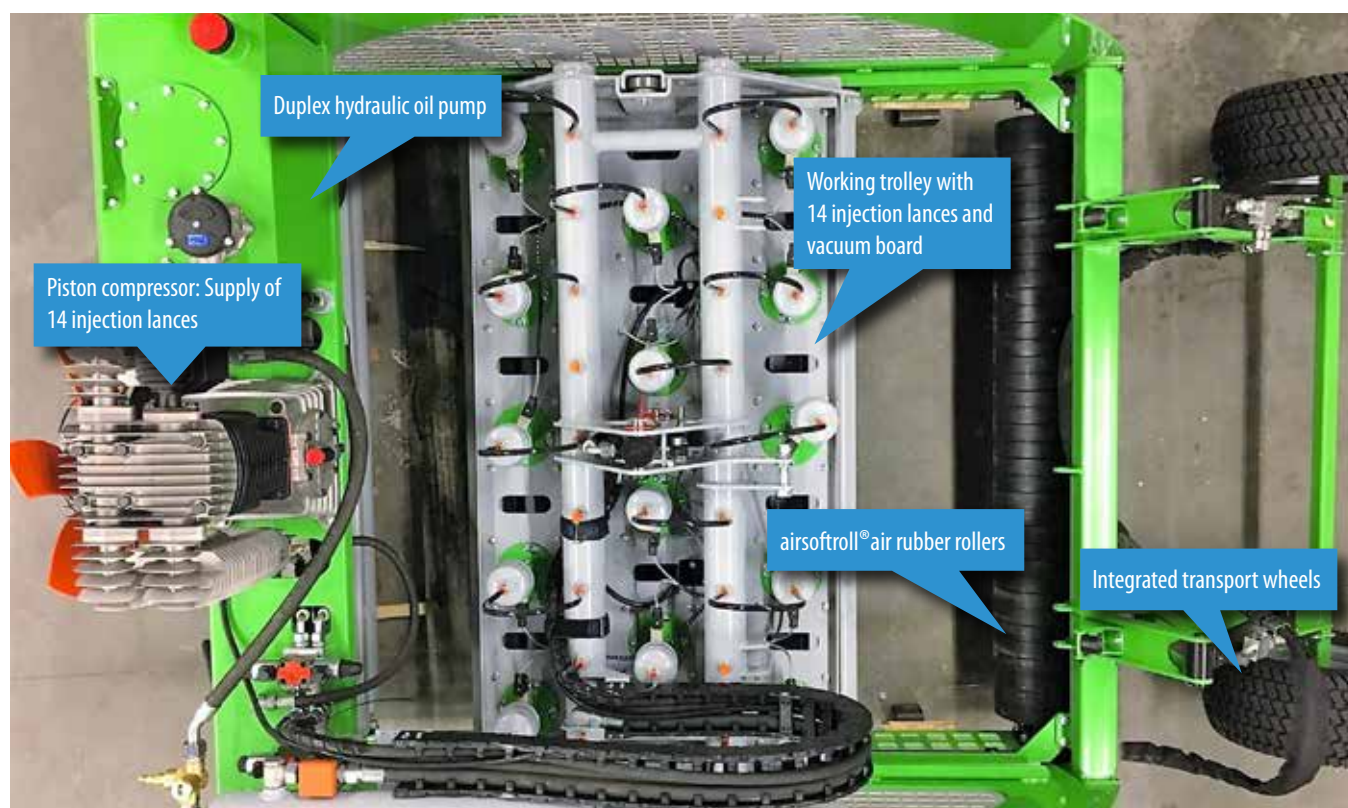
airter® consistently increases your lawn quality and reduces overall maintenance costs

Advantages at a glance:

- Effective and sustainable aeration of hybrid, sports and golf surfaces.
- Reduction of pesticide use and prevention of black layer through active ventilation. Efficient and biological pest control (e.g. larvae & grubs).
- Improved water absorption/storage within the root zone enabling shorter irrigation cycles and reduced water consumption, especially during the vegetation and heat periods.
- A measurable, homogeneous de-compaction of about 30% in the treated root zone layer.
- Reduction of downtime (no need for post-processing work, play areas can be walked on and played on directly, less waterlogging due to improved separating effect).
- Reduction of maintenance time (reduction of traditional aeration intervals and top-dressing needs, lower patch work and over-seeding requirements).
- Low maintenance cost (simple pneumatic/hydraulic system).
- Scientifically validated system (STRI in the UK and University of Hohenheim in Germany).
- Efficient operation (continuous operation, simple machine operation, high productivity).

The solution for beautiful and healthy turf!





Technical data

Machine dimensions	3600 x 1600 x 1200 mm (LxWxH)
Total weight	950 kg
Injection lances	14 pieces, length 8 - 18 cm
Nozzles	Optional standard or hybrid nozzles with 3 outlets each, \varnothing 12 mm
Effective Working width	Approx. 180 cm (depending on nozzle selection and pressure setting)
Working speed	0.7 km/h (up to 25 km/h in transport)
Area performance	1,200 m ² /h
Power requirement tractor	Min. 35 hp tractor; PTO 540 rpm
Electrical connection	90 A
Powertrain	Hydrostatic, 40 l/min, 45 l hydraulic oil tank
Piston compressor	Compressor, capacity 1,240 l/min, 2 - 9 bar
Electronic control	IFM ecomat mobile, power: 32 Bit

For further information please visit airter.com

All provided information might be subject to change

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