



Polyflex

# FloraDrip

Riding hall floor integrated irrigation

## Water, where it is necessary!

In comparison with the standard irrigation systems, FloraDrip has a decisive advantage for indoor riding arenas: The ground is moistened, where it does not disturb, namely the ground.

FloraDrip is the perfect solution for heavily frequented indoor riding arenas. Because the facilities can be used around the clock with FloraDrip.

### The ideal of constant basic humidity

The ground quality is of great importance in indoor riding arenas. Irrigation units are typically installed to bind dust, care for ground, and preserve the riding capabilities. These have some disadvantages: stagnant wetness, frost problems during the winter, risk of hoof sickness through wet subsoil, excessive air moisture etc.

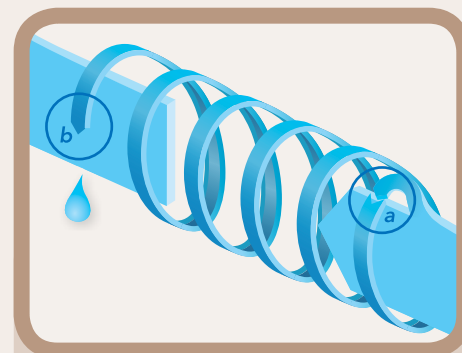
With FloraDrip, a constant, optimal basic humidity is achieved for the ground, because the ground irrigation is exactly controlled and dosed. FloraDrip solves all above-mentioned disadvantages. Furthermore, the riding arena can be used during the irrigation process.



FloraDrip is already usable with a water pressure of 0.1 bar, a higher elevated water tank is already enough. The tubes are made of PE 100 material.



- 1 Top layer e.g. sand-, wood chip, wood shavings...: approx. 10 to 12 cm
- 2 Permanently elastic ground plates filled with cylindrical pebbles: approx. 3 cm
- 3 Subfloor of water-permeable sand: approx. 15 to 20 cm
- 4 FloraDrip A 30: Diameter approx. 1.5 cm
- 5 Drain tube Diameter approx. 5 cm



FloraDrip is a double walled drip irrigation tube with integrated drop outlets:

[a] water inlet into the pressure balance channel through the inner tube [b] water outlet at the drop outlets of the exterior tube. The drop performance is determined through the length of the pressure balance channel.

Standard drop amount and drop spacing:

Tube A 30



2.7 l/h  
30 cm

## Only advantages

A perfectly moistened riding-ground means an improved slip resistance for the horses, less accidents' and an improved joint care for the animals. There is no dust development instead of and the perceptibly reduced humidity is healthier for riders and horses.

Furthermore, the hall does not suffer, the walls remain good-looking. That reduce the care and renovation expenditure.

## Economically reasonable

FloraDrip does not require any movable sprinkler parts, that have to be repaired and maintained. Due to the long flow channel there is no risk of clogging, because small parts (< 1.8 mm<sup>2</sup>) are rinsed out. Although only a low water pressure of 0.1 bar (minimum) is necessary, the water supply for a 500 m tube length has a minimum deviation of only ± 1.25 %.

## The advantages at a glance

- + No dust development
- + Hall 24 h usable
- + Optimal trot safety for the horse
- + Care for the hall walls
- + Constant basic humidity
- + No stagnant wetness

- + Improvement of the air humidity
- + Reduction of accidents and hoof sickness
- + Simple installation and maintenance
- + Energy saving and resource-protection

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Are you interested?

Then contact us:

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