

# THE PROFESSIONALS OF **SPORTS FIELD** IRRIGATION



3 types of sprinkler technology for all applications.  
Quality and efficiency made in Germany.

**PERROT** is known for its professional irrigation systems and groundbreaking, cutting-edge technology. And this has been the case since 1925.

The driving force behind Perrot's innovative prowess is the desire to always adopt a responsible approach to water consumption. The unique products developed as a result are not only environmentally-friendly but also extremely economical and cost-effective.



**Maximum turf health with minimum water consumption**

Perrot's pop-up sprinklers are hidden champions in the truest sense as they spend most of their time hidden in the ground waiting patiently to be used. However, as soon as they pop up, they unleash their full potential.

Proper irrigation of sports fields is no mean feat because not only does the turf need to be perfectly maintained but also, and most importantly, thought needs to be given to the safety of the players, and both of these points are directly linked to the quality and the irrigation of the subsoil.

This is true regardless of whether the surface is natural turf, synthetic turf or ash. Perrot is the only manufacturer to offer a combination of 3 different types of sprinkler technology to ensure that it can always provide the perfect solution for every type of subsoil and all the equally different terrain properties involved. Regardless of whether one type of technology or a combination of different types of technology is used, our irrigation systems can reach every last inch in every tight corner, ensuring maximum turf health with minimum water consumption.

**The perfect solution whether for natural turf, synthetic turf or ash**



Perrot is able to draw on almost 100 years of experience and expertise in the design, development and construction of irrigation systems to create the perfect set-up.

**CONTENTS**

**01** <sup>a</sup> Applications  
Soccer fields PAGE 4 / 7

**02** Applications  
Hockey pitches PAGE 8 / 9

**03** Applications  
Golf courses PAGE 10 / 11

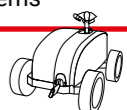
**04** Applications  
Horse racetracks PAGE 12

**05** Applications  
Tennis courts PAGE 13

**06** Pop-up sprinklers with impact drive  
Triton/LVZ  PAGE 14 / 15

**07** Pop-up sprinklers with piston drive  
VP3 series  PAGE 16 / 17

**08** Pop-up sprinklers with gear drive  
Hydra series  PAGE 18

**09** Mobile irrigation systems  
RollcarT-V  PAGE 19

**10** Control system  
Decoder controller PAGE 20 / 21

**11** Perrot  
Sports turf specialist PAGE 22 / 23

01 a Applications

# SOCCER FIELDS






## The Leader in the German National League

Perrot's professional irrigation systems have been installed at 13 German Bundesliga soccer stadiums.

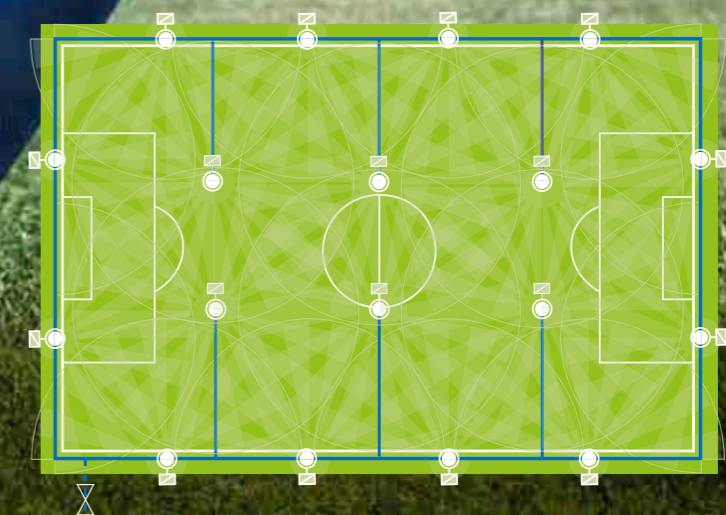


Perrot can provide the right irrigation solution to suit any size and meet any requirements for all club divisions. Whether for natural, synthetic or hybrid turfs. The various different combinations of sprinklers available from the Perrot portfolio mean that an extremely wide range of different needs can be easily met.

From 10 + 2 to 12 + 6. The flexible system can be easily expanded in order to overcome any new issues and requirements. The best formations involve, for example, up to 12 sprinklers on the perimeter (4 of which near the goal areas which are subject to heavy use) and up to 6 on the field itself.

				
Triton-L	VP3	Hydra-2-M	Hydra-2-M TC	RollcarT-V
Casting range: 19.0–38.0 m	Casting range: 34.0–54.0 m	Casting range: 20.0–29.0 m	Casting range: 20.0–29.0 m	Casting range: 17.8–21.8 m

e.g. 12 + 6 system



Irrigation radius

Water pipe

# 01 <sup>b</sup> Applications

## SOCCER FIELDS

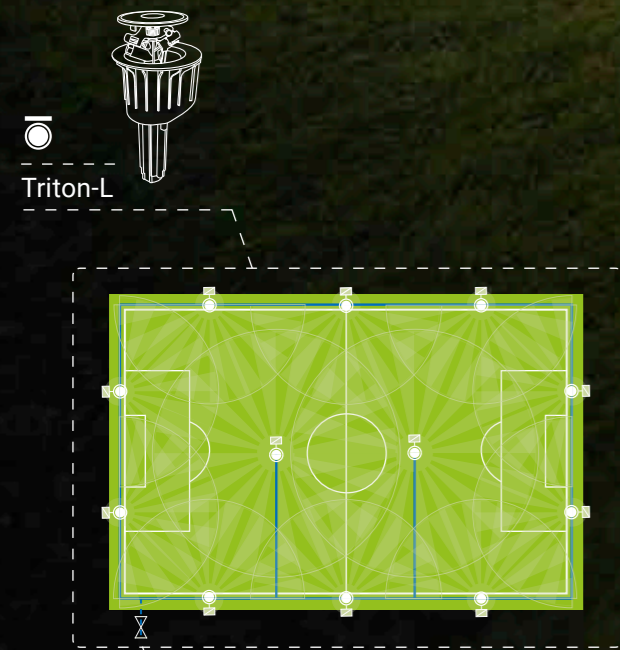
### The Open-Goal Solution for Your Turf

Boasting a casting range of up to 54 m, our irrigation systems are the global leaders when it comes to sports fields. Our “passes” are always spot on. They hit their target at exactly the right angle.



#### 10 + 2 system

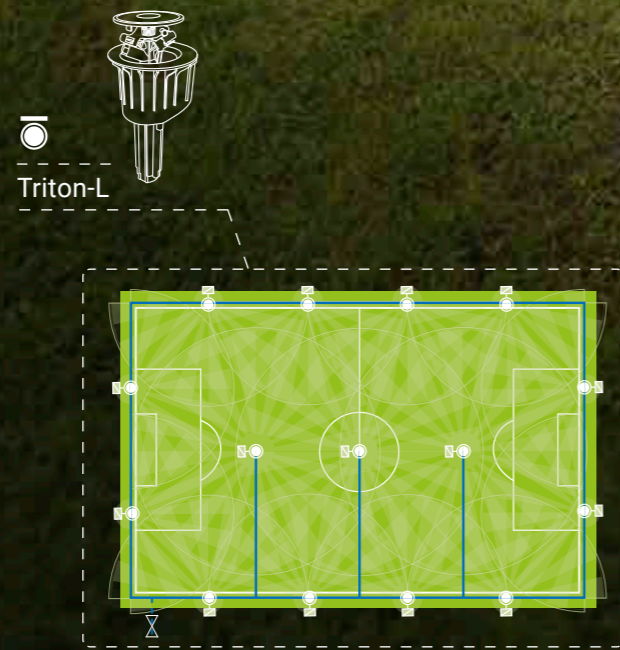
The popular standard is the 10 + 2 system. In this formation, 10 Triton-L sprinklers are distributed around the perimeter of the pitch or field whilst two pop-up Triton-L sprinklers work their magic from the midfield area.



Stop valve 

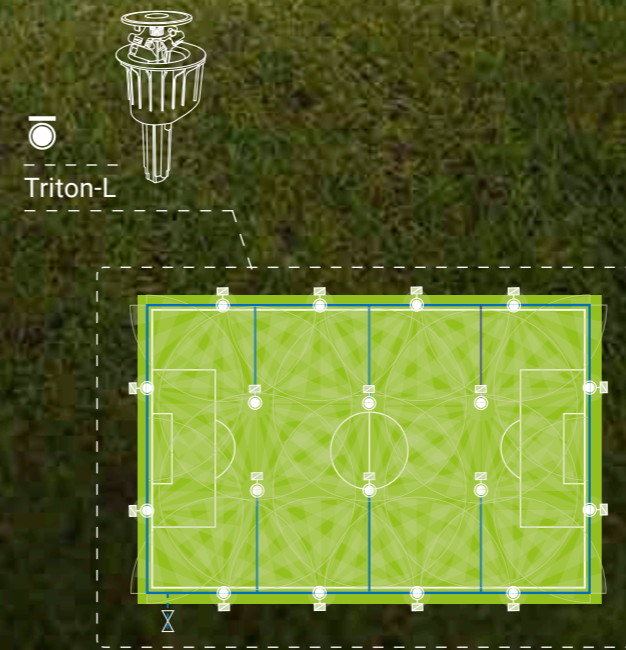
#### 12 + 3 system

The advantage of the 12 + 3 system and upwards is the fact that a larger amount of water can be delivered in an even shorter amount of time.



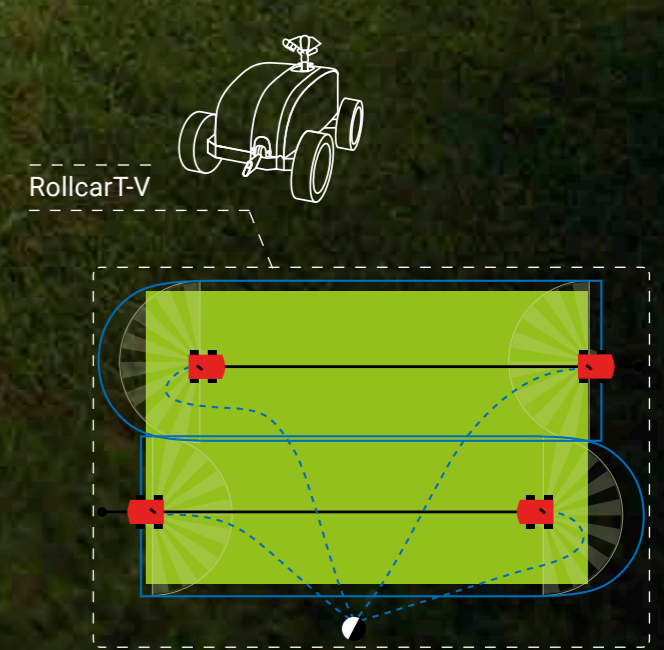
#### 12 + 6 system

The flexible system can be easily expanded in order to overcome any issues and requirements. The best formations involve, for example, up to 12 sprinklers on the perimeter and 6 on the field itself. For sufficient amounts of water within a very short space of time, e.g. during halftime.




#### Perrot RollcarT-V

The super-flexible solution without any fixed installation. The RollcarT-V, which can be on-hand wherever it is needed, is the ideal solution for any situation where a fixed installation would not be cost-effective. It is a great, economical alternative for small clubs or for training grounds.



Irrigation radius

 Water pipe

# 02 Applications

## HOCKEY PITCHES

### For Maximum Safety and Fun on the Field

Our specially designed sprinklers ensure uniform and swift irrigation of synthetic turf pitches all over the world and will therefore extend the service life of your synthetic turf. They can help you achieve environmentally-friendly and sustainable operations.

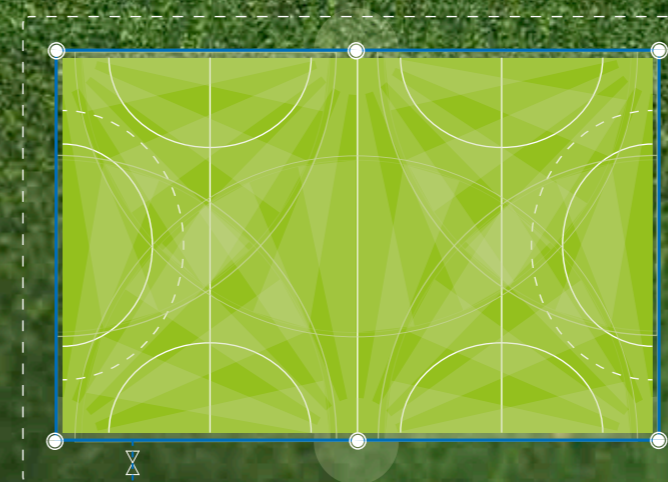


Anyone who has ever slipped or skidded on dry synthetic turf will understand why even synthetic turf pitches need to be irrigated. Skin grazes and burns are injuries commonly associated with poorly irrigated synthetic turf pitches, but even the sports equipment involved can be slowed down by lackluster turf. Uniform irrigation of synthetic turf from the perimeter is therefore essential and even mandated by many associations.

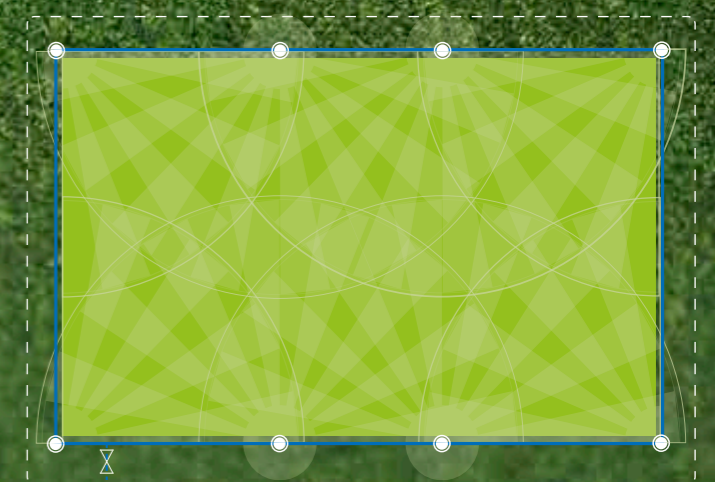
There are essentially two requirements which synthetic turf irrigation systems need to fulfill. They must be able to:

1. completely cover the pitch from the perimeter without any sprinklers on the pitch itself, and
2. deliver considerable amounts of water within a very short space of time, for example during breaks in between quarters.

**6 + 0 system**  
Synthetic turf for hockey pitches



**8 + 0 system**  
Synthetic turf for soccer fields



VP3



VP3



Irrigation radius

Water pipe

# 03 Applications

## GOLF COURSES

### The Ideal Solution for Well-Groomed Tees, Fairways and Greens

Perrot has the right solution to meet all the specific needs of your golf courses.



The choice is yours. Perrot is the only irrigation system manufacturer which allows you to configure a system from 2 sprinkler ranges from 3 different types of tech-

nology. This means that you can provide the different terrain sections of a course with the best equipment both in terms of quality and efficiency.



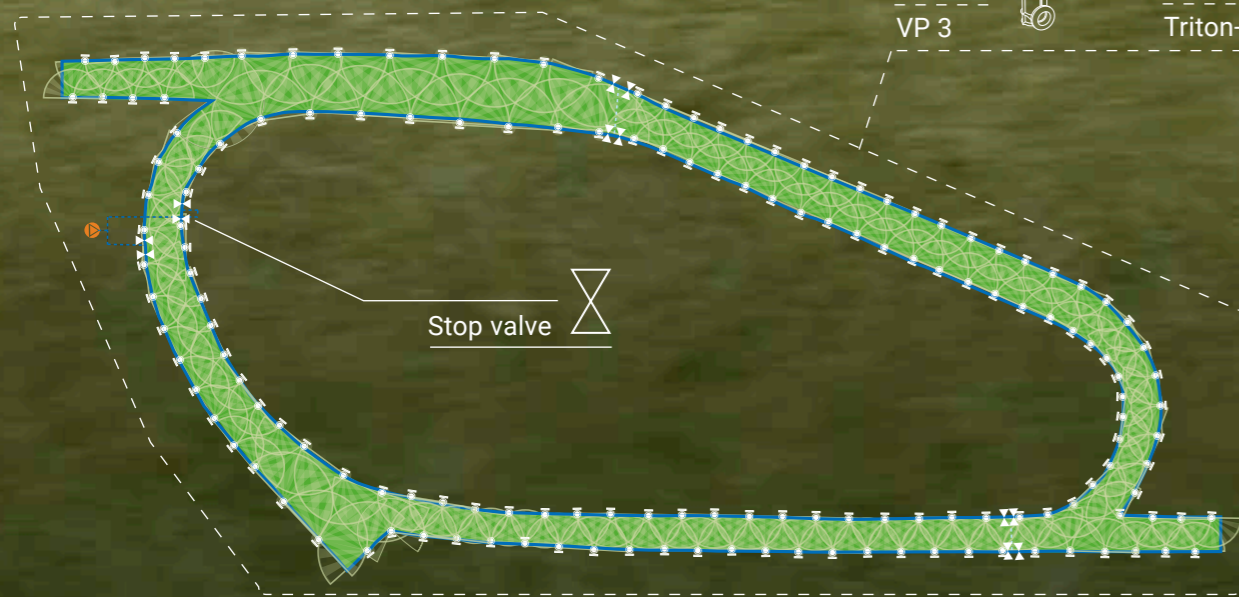
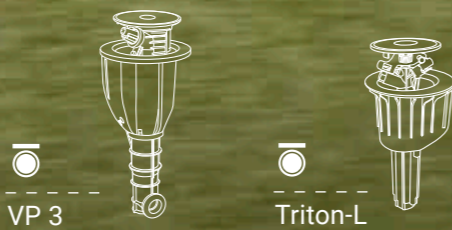
# 04 Applications

## HORSE RACETRACKS

### Backing Perrot's Products: a Surefire Bet

Dust-free with a lush green color – plus consistent, optimal track condition.

Consistent, optimal track condition is of course essential in horse racing. Perrot has the right solution for achieving this, regardless of whether the surface of the track is made from plastic granules, sand or turf. The combination of 3 different types of irrigation technology ensures the perfect system for all eventualities. There is therefore no need for any additional cumbersome mobile linear irrigation systems.



Irrigation radius

--- Water pipe

# 05 Applications

## TENNIS COURTS

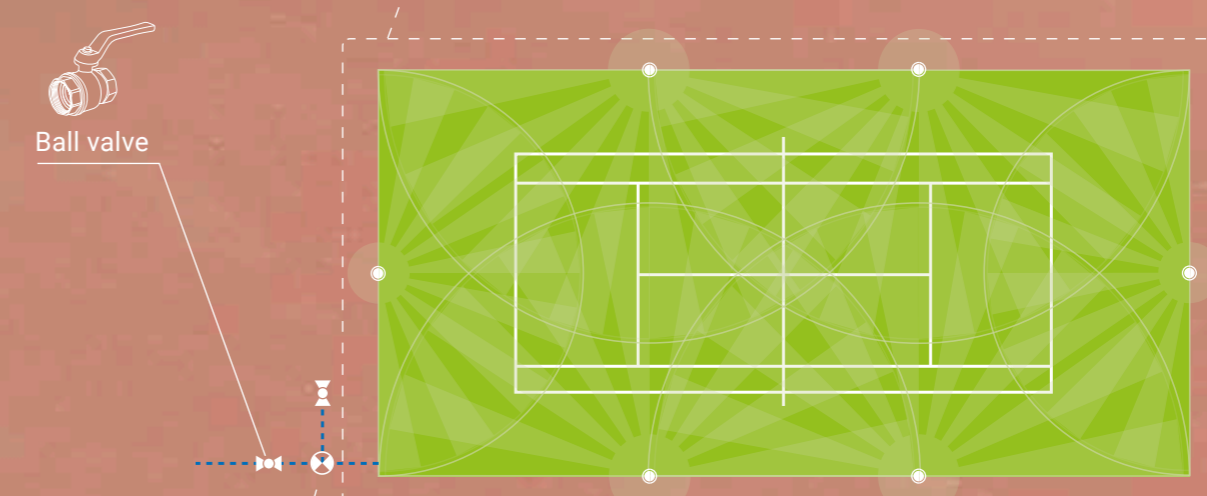
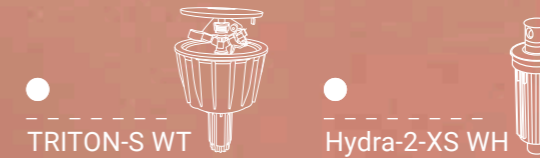
### Our Mixed Doubles for Terrific Tennis

We can ensure that your tennis courts are in tip-top condition, ready for all the players' slices, topspin groundstrokes and drop-shots.

Hot sunny days and fast games may be perfect for the tennis season but an exciting match can quickly turn into a dusty affair if the court isn't irrigated properly. Only the regular addition of moisture to the red stone surface of clay courts will ensure optimal playing conditions and extend the court's service life.



Perrot sprinklers are available both as swiftly rotating impact sprinklers and as ultra-quiet turbine sprinklers. Once installed, Perrot irrigation systems will work their magic for many years without any issues whatsoever.



Solenoid valve MVR

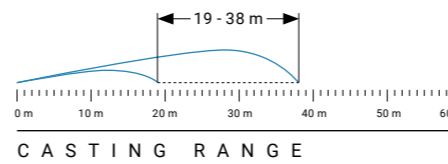
# 06 Pop-up sprinklers with impact drive

## TRITON/LVZ

### The Irrigation Top Athlete

Whether prior to the match or during halftime, the Triton series can irrigate an entire pitch or field in next to no time, and with almost any water quality. Do you use greywater or rainwater? Either way, it is no problem for the Triton series. It boasts tool-free adjustment and, of course, maintenance from the top – take, for instance, the extremely easy-to-remove turf cup with natural turf insert.

- Cover can be removed with a click for easy maintenance.
- Can be quickly replaced.
- Synthetic turf cover and cover with turf cup
- All parts are accessible from the top



#### TRITON-L

AREAS OF APPLICATION:  
Golf fairways, soccer fields, sports fields, horse racetracks

SPECIFICATIONS:

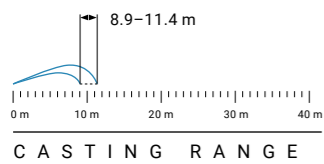
- Casting range:** 19.0–38.0 m
- Water consumption:** 4.6–28.6 m<sup>3</sup>/h
- Operating pressure:** 3.0–8.0 bar
- Nozzle sizes: 7.0–17.5 mm
- Number of nozzles: with 2 and 3 nozzles
- Trajectory: 22°
- Connection: 1½" female thread with brass bushing
- CIT nozzle size: 12 mm
- CIT formation: 30 x 26 m
- CIT value: CU 93 - DU 89



The simple clip, removable turf cup



The replaceable synthetic turf cover with flexible damping prevents athletes from injuring themselves

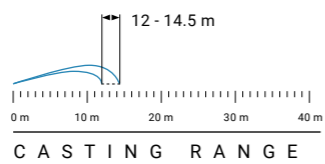


#### LVZX

AREAS OF APPLICATION:  
Green spaces

SPECIFICATIONS:

- Casting range:** 8.9–11.4 m
- Water consumption:** 0.44–0.97 m<sup>3</sup>/h
- Operating pressure:** 2.5–5.0 bar
- Nozzle sizes: 2.8–3.5 mm
- Trajectory: 30°
- Connection: ¾" female thread

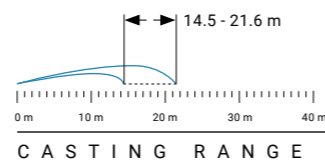


#### TRITON-S

AREAS OF APPLICATION:  
Golf teeing grounds, tennis courts, parks, riding arenas, private gardens

SPECIFICATIONS:

- Casting range:** 12.0–14.5 m
- Water consumption:** 0.90–1.80 m<sup>3</sup>/h
- Operating pressure:** 2.5–6.0 bar
- Nozzle sizes: 4.0–4.5 mm
- Trajectory: 22°
- Connection: 1" IG / ¾" IG (tennis)



#### TRITON-M

AREAS OF APPLICATION:  
Golf greens, riding areas, sports fields/pitches (goal area)

SPECIFICATIONS:

- Casting range:** 14.5–21.6 m
- Water consumption:** 2.07–8.86 m<sup>3</sup>/h
- Operating pressure:** 3.0–7.0 bar
- Nozzle sizes: 4.2–8.0 mm
- Number of nozzles: with 2 and 3 nozzles
- Trajectory: 22°
- Connection: 1" female thread



# 07 Pop-up sprinklers with piston drive

## VP3 - SERIES

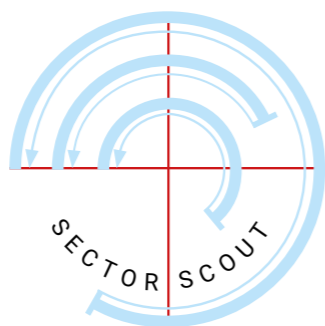
### The Irrigation Long Throw World Champion

Exceptional casting range meets extremely easy maintenance from the top. Together with the optional Sector Scout, which ensures a fully synchronized start and stop point, our water-saving VP3 series is suitable for an extremely wide range of applications.

- Unique casting range
- Economical and uniform irrigation thanks to the Sector Scout
- Service and maintenance from the top possible without any digging work



VP3 VAC SC



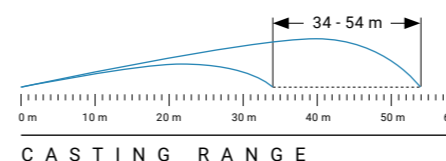
#### Sector Scout

The Sector Scout monitors the switchover at the end of the sector and optimizes the irrigation sector. The irrigation cycle always starts and ends at the beginning of the predefined sector. This ensures that there is no double irrigation and that all sectors are uniformly supplied with water.

This optimizes the irrigation time, saves water and ensures optimal water distribution. A freely programmable number of sector runs (1+X) is possible in the predefined sector using the WaterControl control system, and hence repeated irrigation is freely programmable.



Cover with synthetic turf



#### VP3

AREAS OF APPLICATION:  
Synthetic/natural turf fields, field hockey pitches, horse racetracks

#### SPECIFICATIONS:

- Casting range:** 34.0–54.0 m
- Water consumption:** 23.00–65.00 m<sup>3</sup>/h
- Operating pressure:** 4.0–8.0 bar
- Nozzle sizes: 16, 20, 24 mm
- Rotation time: 180°: from min. 50 to max. 120 sec. at 4-8 bar
- Trajectory: 25°
- Connection: 2" female thread with brass bushing
- CIT nozzle size: 20 mm
- CIT formation: 46 x 39.2 m
- CIT value: CU 93 - DU 88

VP3 VAC



\* Centre of Irrigation Technologies

# 08 Pop-up sprinklers with gear drive HYDRA-SERIES

## Small and Rotation-Ready

Perrot's Hydra series is the perfect addition. Its products boast a very compact design and easily adjustable start and end points. The Hydra series also features a central water supply. Both the nozzles and the gear drive are protected from contamination thanks to built-in coarse filters.

# 09 Mobile irrigation ROLLCART-V

## Maximum flexibility

The RollcarT-V is the perfect solution in all cases where a fixed installation is deemed to be too elaborate or expensive. The mobile unit can be used anywhere and is driven over the desired areas by the water pressure. Weighing in at just 26 kg and measuring a mere 80 cm in length, the RollcarT-V can be transported and deployed quickly and easily.



### HYDRA-2-XS

AREAS OF APPLICATION:  
Tennis courts, sports fields/pitches, golf tees

SPECIFICATIONS:

- Casting range:** 13.0–19.0 m
- Water consumption:** 1.00–3.20 m<sup>3</sup>/h
- Operating pressure:** 3.0–6.0 bar
- Nozzle sizes: 4.0–6.0 mm
- Number of nozzles: with 1 nozzle
- Trajectory: 25°
- Connection: 1" female thread with brass bushing

### HYDRA-2-S

AREAS OF APPLICATION:  
Golf greens

SPECIFICATIONS:

- Casting range:** 14.0–25.0 m
- Water consumption:** 2.50–10.90 m<sup>3</sup>/h
- Operating pressure:** 3.5–7.0 bar
- Nozzle sizes: 4.0–9.0 mm
- Number of nozzles: with 3 and 4 nozzles
- Trajectory: 25°
- Connection: 1" female thread with brass bushing
- CIT nozzle size: 7 mm
- CIT formation: 20 x 17.3 m
- CIT value: CU 93 - DU 90

### HYDRA-2-M

AREAS OF APPLICATION:  
Sports fields/pitches

SPECIFICATIONS:

- Casting range:** 20.0–29.0 m
- Water consumption:** 4.20–12.80 m<sup>3</sup>/h
- Operating pressure:** 3.5–7.0 bar
- Nozzle sizes: 7.0–11.0 mm
- Number of nozzles: with 3 and 4 nozzles
- Trajectory: 25°
- Connection: 1½" female thread with brass bushing.
- CIT nozzle size: 9 mm
- CIT formation: 22.8 x 19.7 m
- CIT value: CU 92 - DU 87

- Lightweight at just 26 kg
- Compact (no bigger than a lawnmower)

### ROLLCART-V

AREAS OF APPLICATION:  
For use on large sports fields

SPECIFICATIONS:

- Irrigation width: 28 to 36 m
- Irrigation length: 120 m
- Water consumption: 3.00 m<sup>3</sup>/h



- Speed: 10 to 20 m/hr
- Water pressure: 4 bar at unit
- Materials: aluminum, brass, high-quality plastic

- Dimensions: 77 x 47 x 40 cm
- Weight: 26.0 kg



### LARGE-AREA SPRINKLER ON TRIPOD

AREAS OF APPLICATION:  
Mobile irrigation of sports fields/pitches large-area sprinkler on tripod ZN 23 W impact sprinkler or P2S piston drive sprinkler.



### HOSE SET

AREAS OF APPLICATION:  
Hose for mobile irrigation with the RollcarT-V. Complete with brass coupling and hose clamp.



### HOSE CART

AREAS OF APPLICATION:  
Ideal addition to the RollcarT-V and hose set

\* Centre of Irrigation Technologies



# 10 Control system

## SIRRAH™ DECODER CONTROLLER

### All Under Control. With SIRRAH™ from Perrot

Perrot's decoder controller SIRRAH™ is setting new standards. In the future, you will be able to easily call up all irrigation information via the web-based software and control all irrigation systems using a new intuitive user interface via your PC, tablet or smartphone, wherever you are.

#### SIRRAH™

AREAS OF APPLICATION:  
Sports fields/pitches, soccer fields, golf courses, horse racetracks

#### SPECIFICATIONS:

- Compatible with any Windows operating system
- Browser: Google Chrome
- Power supply: 220V + voltage surge protection
- Bridge PC dimensions: 180 x 40 x 190 mm



The control system can also be accessed via a tablet or smartphone.

### PERFORMANCE FEATURES

#### Web-based

- Straightforward installation on any PC
- Shortened response time upon decoder activation
- Remote access without own IP address
- Compatible with any Windows operating system such as Win7/Win10™
- Continuous and automated backups in a cloud
- Use SIRRAH™ anytime, anywhere, even via an Internet-enabled tablet or smartphone
- Optimized for all mobile devices

#### Easy to manage

- App symbols and dashboard for easier status control
- Swifter menu access via one level thanks to straightforward software structure
- Interactive graphics
- Straightforward operation in the app layout
- The dashboard displays all relevant information

#### Compatible with all existing Perrot decoder control systems.

**Straightforward upgrade for Perrot Satellite and Greenkeeper possible at any time.**

#### Improved water management

- Rain and wind sensors
- Automatic maximization of pump capacity utilization
- Dynamic programs for the efficient absorption of water into the soil
- Option to combine irrigation programs
- Swift program creation using selection names
- Program repetition with flexible pause times
- Simplified irrigation calendar



SIRRAH™ is the control system of choice for irrigation systems. Whether you use your PC, smartphone or tablet, with SIRRAH™ all important irrigation information is now at your fingertips via an intuitive user interface. All from the comfort of your office.

# 11 PERROT THE SPORTS TURF SPECIALIST

## Rain at the Touch of a Button

Perrot boasts a number of key advantages for an extremely wide range of applications in the sports industry. Perrot's irrigation systems are therefore the systems of choice for professional sports field applications.

A continuous improvement process ensures that new innovative developments are constantly incorporated into our products.



**Evergreen**  
Replaceable turf covers, which can be grown in a greenhouse, ensure that the turf cup always features fresh, unspent sports turf. They can be replaced in a matter of seconds thanks to the super-easy Perrot click system.



**Maintenance from the top**  
Perrot's sprinklers can be manually maintained from the top in just a few steps. All parts can be accessed without any complex digging work.



**The outsider**  
Thanks to the exceptional casting range of our sprinklers, even synthetic turf fields and pitches can be fully irrigated from the perimeter.



**Singular irrigation**  
The new Sector Scout automatically ensures that all sectors are uniformly supplied with water. This prevents any double irrigation. It optimizes the irrigation time, saves water and ensures optimal water distribution.



**Faster, higher, further...**  
Thanks to the amazing water delivery credentials, the pitch or field can be completely irrigated during halftime, even leaving enough time for the players to warm up again.



**Today and tomorrow**  
Environmental protection and efficiency are decisive factors. No other irrigation system is as efficient as Perrot's systems, especially when paired with the pioneering SIRRAH™ decoder system. Centrally controlled and easy to program.

No other irrigation system is as economical as Perrot's systems. The quality of Perrot's products is legendary. They are extremely durable, robust and efficient.

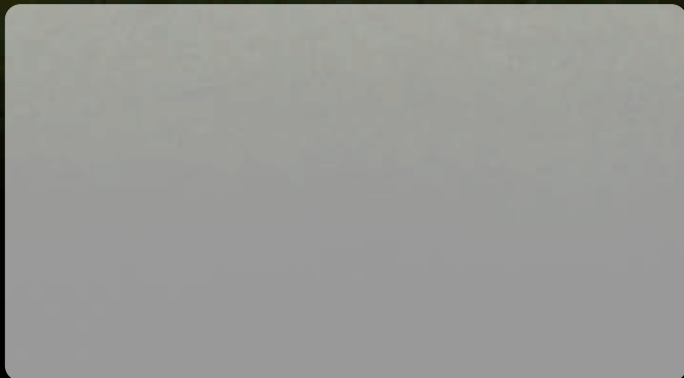
Perrot. Quality Made in Germany.

Efficiency and eco-friendliness are of course important factors for us. The Perrot system provides us with optimum control, enabling us to deliver exactly the right amount of water to our sports turfs.

**Christian Riemer**  
Football Groundskeeper at the Donaustadion in Ulm, Germany



# THE PROFESSIONALS OF IRRIGATION



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