

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 ^a/_b Applications
Soccer fields PAGE 4 / 7

02 Applications
Hockey pitches PAGE 8 / 9

03 Applications
Golf courses PAGE 10 / 11

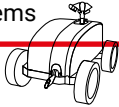
04 Applications
Horse racetracks PAGE 12

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 Perrot Control system
SIRRAH II™  PAGE 20

11 Perrot
REGULUS  PAGE 21

12 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

Casting range:
19.0–38.0 m



VP3

Casting range:
34.0–54.0 m



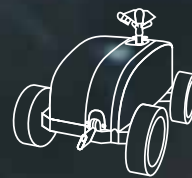
Hydra-2-M

Casting range:
20.0–29.0 m



Hydra-2-M TC

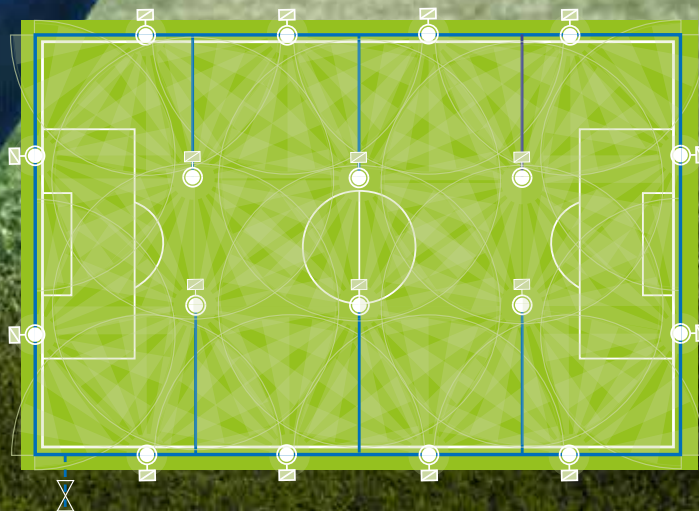
Casting range:
20.0–29.0 m



RollcarT-V

Casting range:
17.8–21.8 m

e.g. 12 + 6 system



Irrigation radius

Water pipe



01 ^b Applications

SOCCER FIELDS

The Open-Goal Solution for Your Turf

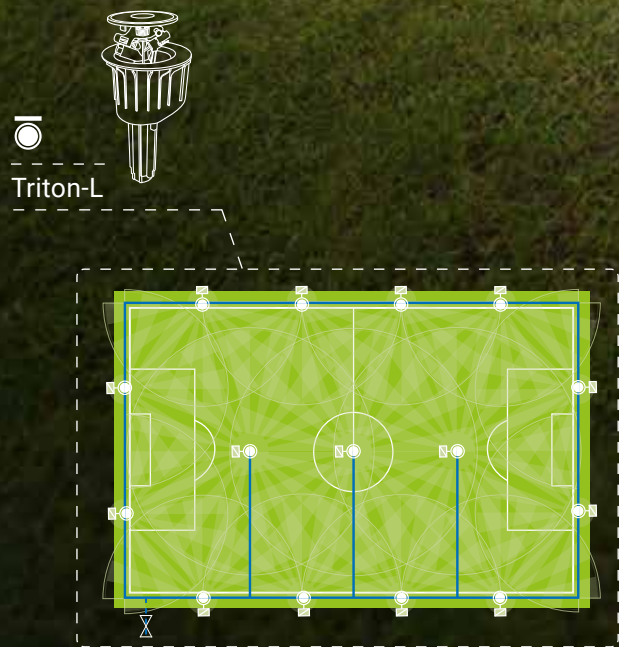
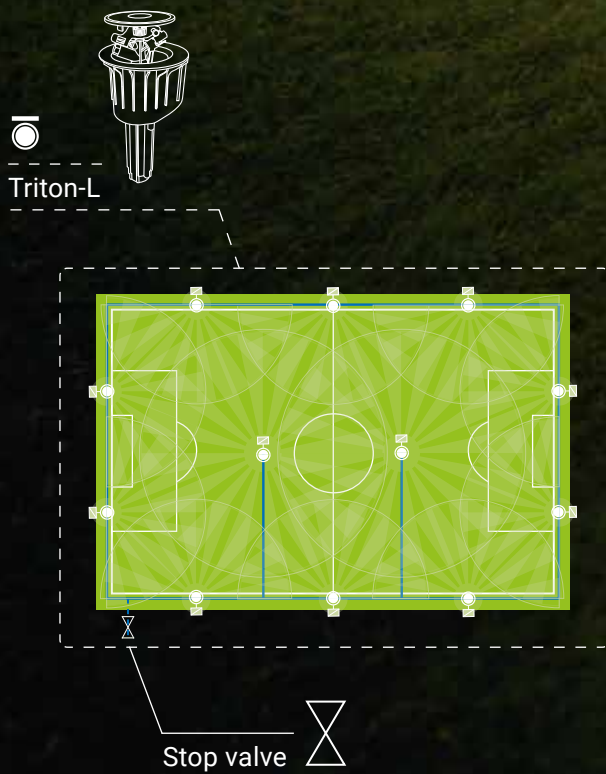
Boasting a casting range of up to 54 m, our irrigation systems are the global leaders when it comes to sports fields. Our “passes” are always spot on. They hit their target at exactly the right angle.

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.

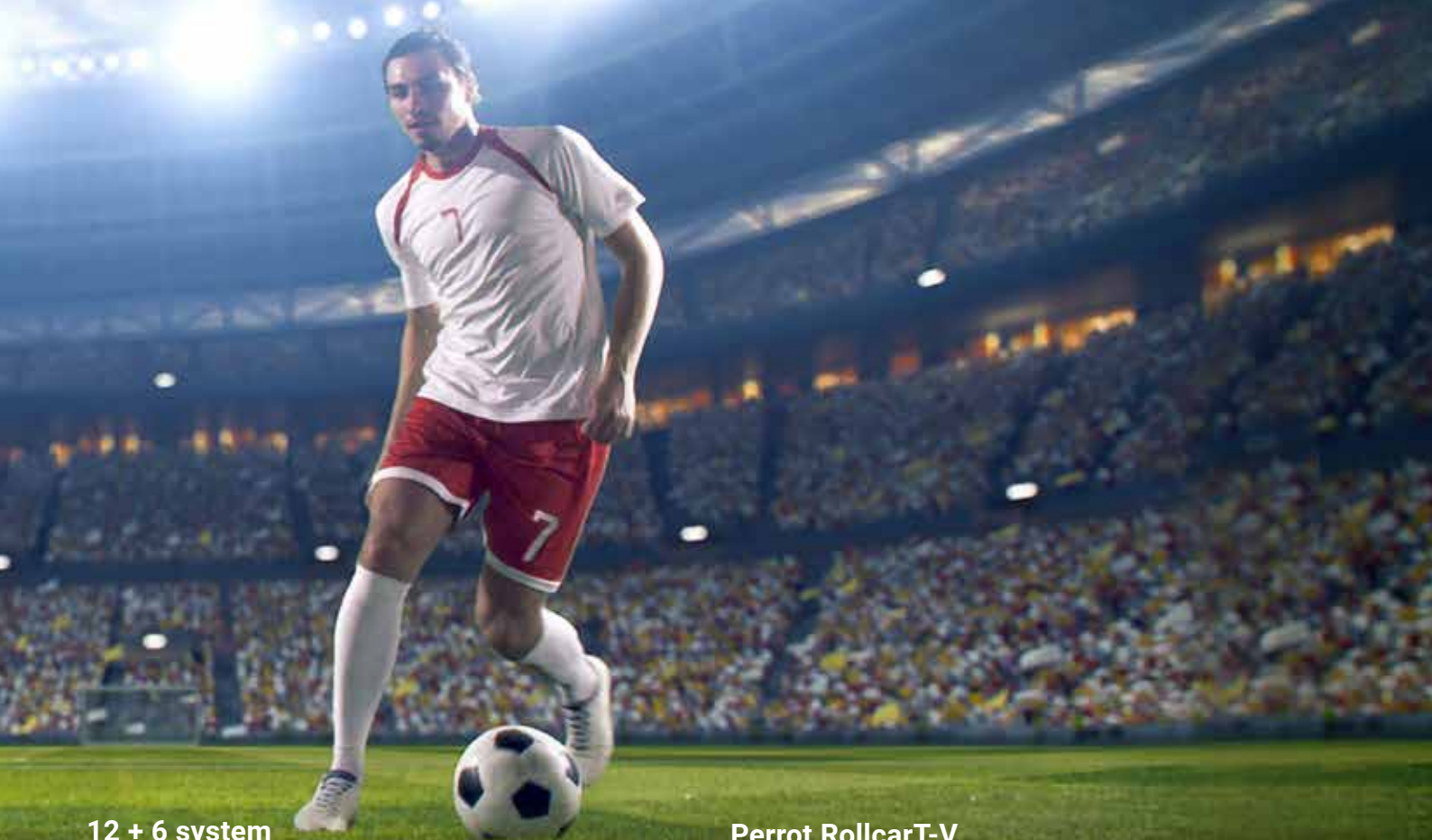
12 + 3 system

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.



Irrigation radius

Water pipe

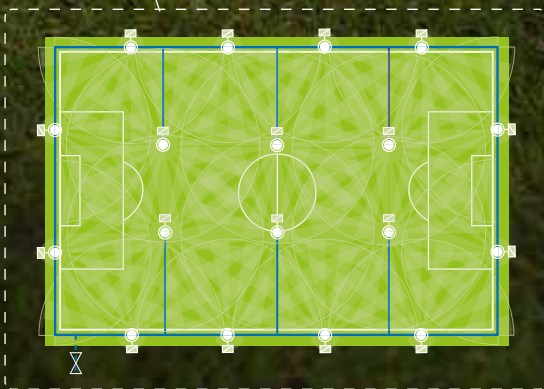


12 + 6 system

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.



Triton-L

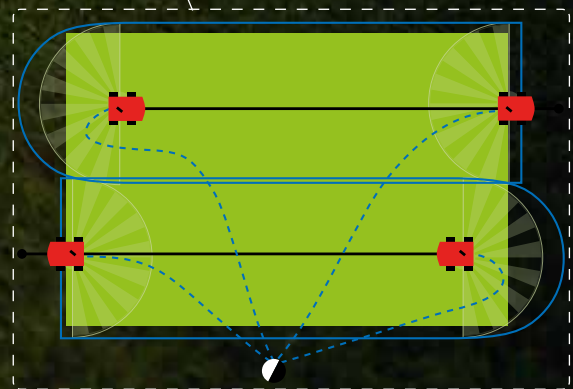


Perrot RollcarT-V

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.



RollcarT-V



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.

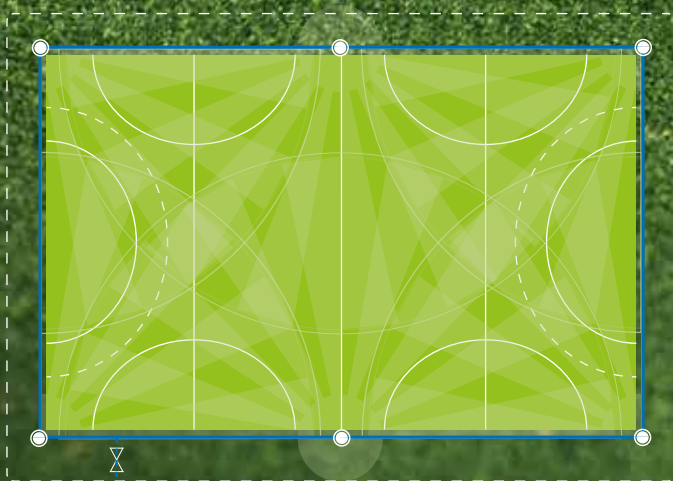
There are essentially two requirements which synthetic turf irrigation systems need to fulfill. They must be able to:

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

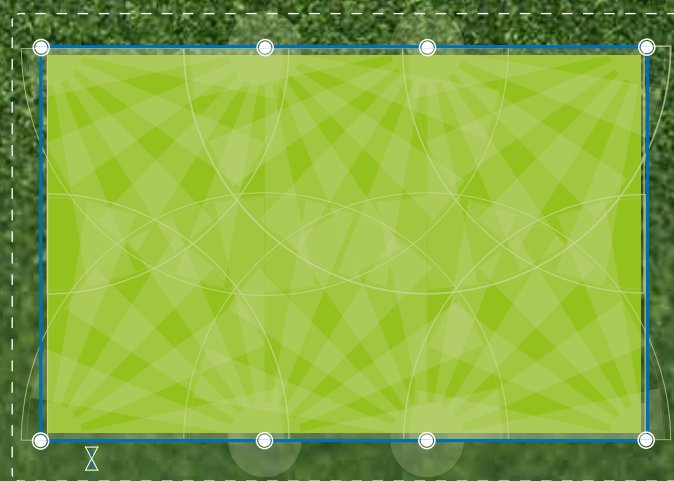


VP3



8 + 0 system

Synthetic turf for soccer fields



VP3



Irrigation radius

Water pipe



03 Applications

GOLF COURSES

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

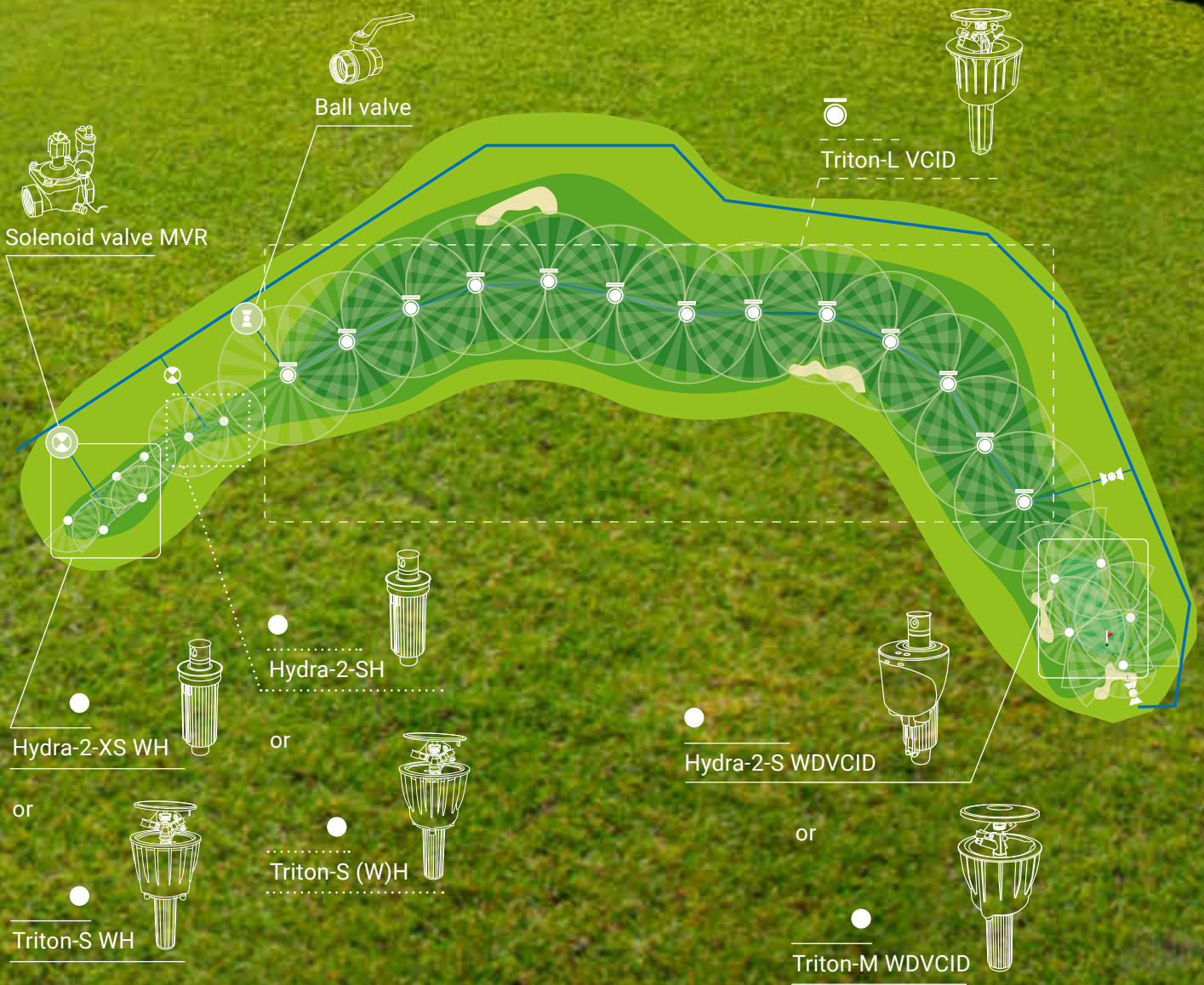
Perrot has the right solution to meet all the specific needs of your golf courses.



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.





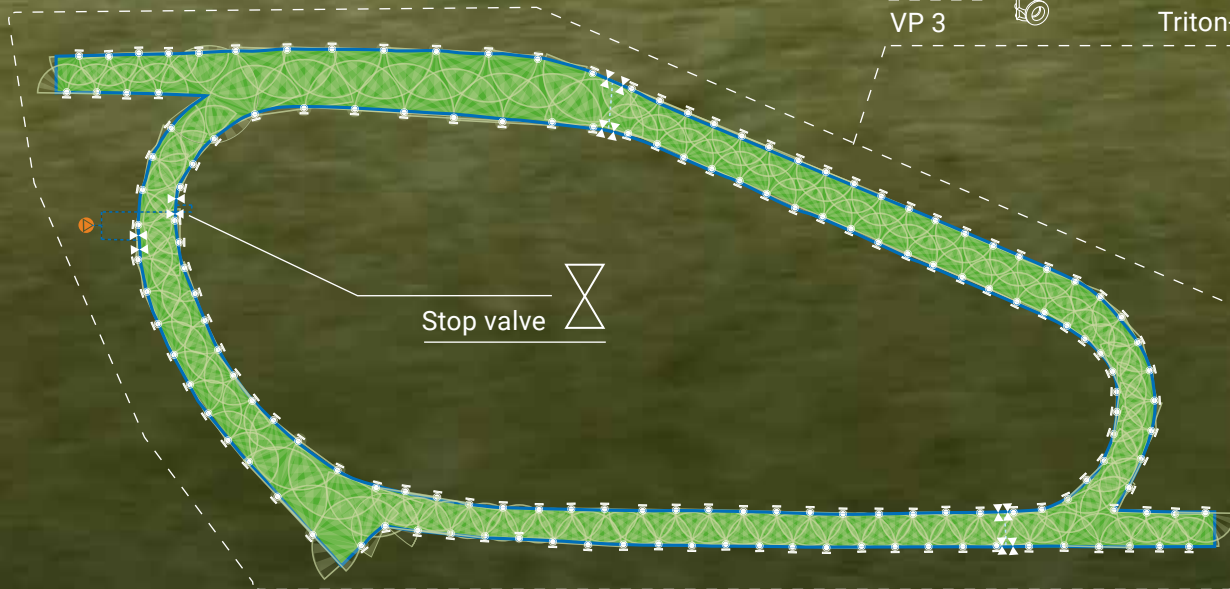
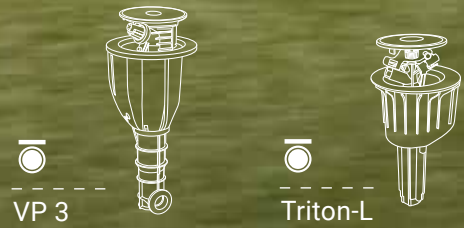
04 Applications

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

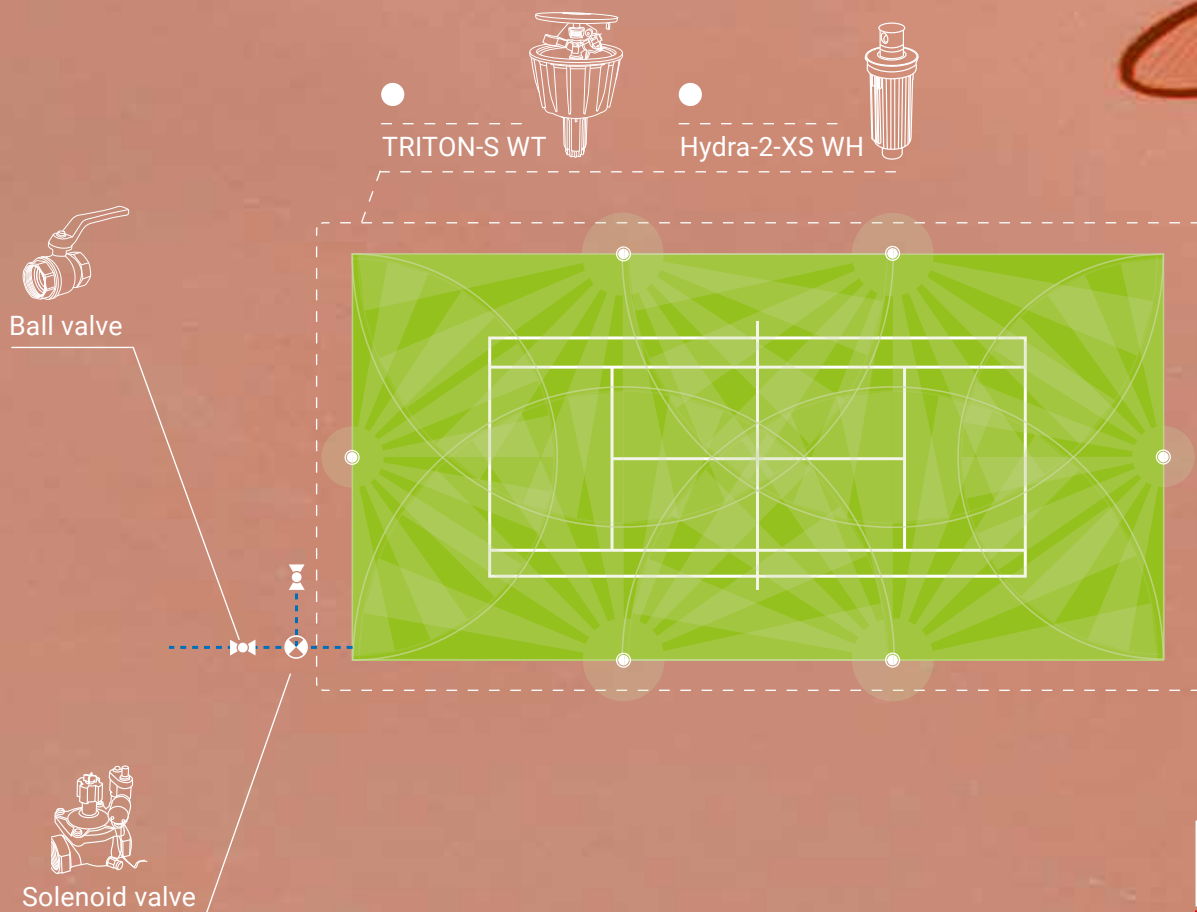
Our Mixed Doubles for Terrific Tennis

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.

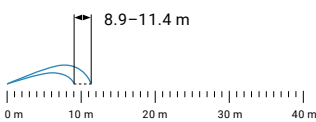


06 Pop-up sprinklers with impact drive

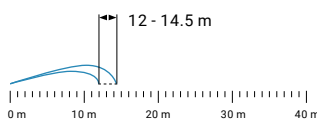
TRITON

The Irrigation Top Athlete

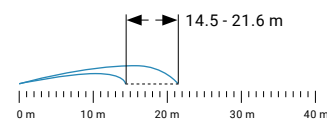
Whether prior to the match or during halftime, the Triton series can irrigate an entire pitch or field in next to no time, and with almost any water quality. Do you use greywater or rainwater? Either way, it is no problem for the Triton series. It boasts tool-free adjustment and, of course, maintenance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



CASTING RANGE



CASTING RANGE



CASTING RANGE

LVZX

AREAS OF APPLICATION:
Green spaces

SPECIFICATIONS:

- Casting range:** 8.9–11.4 m
- Water consumption:** 0.44–0.97 m³/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 m³/h
- Operating pressure:** 2.5–6.0 bar
- Nozzle sizes:** 4.0–4.5 mm
- Trajectory:** 22°
- Connection:** 1" IG / ¾" IG (tennis)

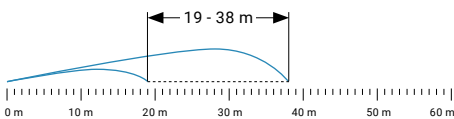
TRITON-M

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 m³/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

- 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



C A S T I N G R A N G E

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 m³/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 replaceable synthetic turf cover with flexible damping prevents athletes from injuring themselves



The simple clip, removable turf cup



* Centre of Irrigation Technologies



07 Pop-up sprinklers with piston drive

VP3 - SERIES

The Irrigation Long Throw World Champion

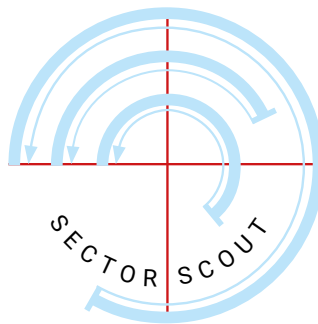
Exceptional casting range meets extremely easy maintenance from the top. Together with the optional Sector Scout, which ensures a fully synchronized start and stop point, our water-saving VP3 series is suitable for an extremely wide range of applications.



VP3



VP3 VAC SC



Sector Scout

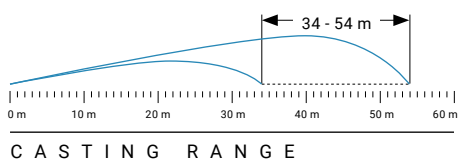
The Sector Scout monitors the switchover at the end of the sector and optimizes the irrigation sector. The irrigation cycle always starts and ends at the beginning of the predefined sector. This ensures that there is no double irrigation and that all sectors are uniformly supplied with water.

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.

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



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 m³/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



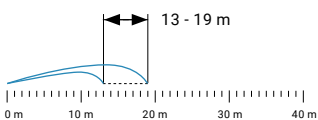
* Centre of Irrigation Technologies



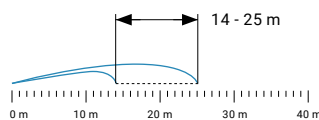
08 Pop-up sprinklers with gear drive HYDRA- SERIES

Small and Rotation-Ready

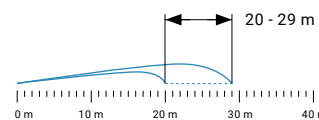
Perrot's Hydra series is the perfect addition. Its products boast a very compact design and easily adjustable start and end points. The Hydra series also features a central water supply. Both the nozzles and the gear drive are protected from contamination thanks to built-in coarse filters.



CASTING RANGE



CASTING RANGE



CASTING RANGE

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 m³/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 m³/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 m³/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

* Centre of Irrigation Technologies

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.



- 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 m³/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



10 Control System

SIRRAH II

All under Control. With SIRRAH™ II 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 II™

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

SPECIFICATIONS:

- Web-based, compatible with any browser
- Operating System: Linux
- Power supply: 230 VAC
- Bridge PC dimensions:: 180 x 40 x 190 mm



PERFORMANCE FEATURES

New Interface with new Software

One platform for all applications.

- Compatible with any existing Perrot Central Control Decoder Systems, easy upgrade for existing Sirrah, Perrot Satellite and Green-keeper possible at any time.
- Easy to manage
- Optimized for all mobile devices, available as smartphone and tablet application

- Improved water management
- Rain and wind sensors
- Automatic maximization of pump usage
- Dynamic programs which can be combined
- Fast program creation
- Program repetition with pause function
- Simplified irrigation calendar

- Improved decoders with true two-way communication for 1, 2, 4, or 6 solenoid valves
- Watering by the second
- Step by step replacement old for new: can communicate in parallel with the old (VCU) and the new Perrot decoder system (VCU II) via Plug & Play
- De-centralised: Several Decoder Interfaces operate with one platform via Internet.

11

Controller

REGULUS

The Playmaker behind every top-tier quality pitch

The new REGULUS irrigation controller helps to minimize your water consumption while maximizing the growth and health of your lawn.

REGULUS & REGULUS OUTDOOR

AREAS OF APPLICATION:

Sports fields soccer fields, hockey pitches, tennis courts, parks, private gardens

SPECIFICATIONS:

- „Super Cap“ option provides back up power for + 24h
- Power supply 220 VAC (indoor)
-230 VAC (outdoor) / 50 Hz
- Dimensions
Controller: 140 x 186 x 97 mm
Outdoor Box: 320 x 245 x 142 mm
- Weight: 1,5kg (indoor) - 3kg (outdoor)
incl. transformer



PERFORMANCE FEATURES

Sector Scout Function: Automatic position calibration for Perrot VP3 sprinklers of one or all stations

IoT WiFi ready

Available as outdoor version

- For 4 to 16 stations
- 8 independent irrigation programs with 6 start times each
- Complete programming and operation via mobile APP possible
- Seasonal adjustment from 0 to 200 % by water budget function
- Watering calendar: Day of the week selection per program
- Up to 2 stations can be controlled at the same time with 2 programs
- All programs can be started directly via key switch
- Automatic, semi-automatic and manual start
- All sensors can be managed in 5 different modes incl. key switch
- Programmable rain delay between stations
- Regulus outdoor: UV-resistant and waterproof housing, lockable and with integrated transformer 230V / 24VAC.



12

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.

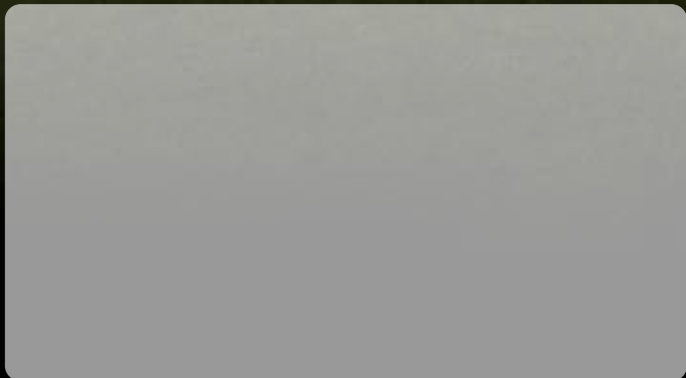


Efficiency and eco-friendliness are of course important factors for us. The Perrot system provides us with optimum control, enabling us to deliver exactly the right amount of water to our sports turfs.

Christian Riemer
Football Groundskeeper at the
Donaustadion in Ulm, Germany



THE PROFESSIONALS OF IRRIGATION



PERROT
Regnerbau Calw GmbH

Industriestraße 19-29
75382 Althengstett / Germany
Tel. +49(0)7051/162-0
Fax +49(0)7051/162-133

perrot@perrot.de
www.perrot.de