

TORO

PERROT VP3 POP-UP SPRINKLER



The Perrot VP3 Piston Drive long radius rotor is the irrigation solution of choice for the cooling and washing down of large synthetic turf fields. Capable of achieving a throw of up to 54 m, the VP3 can be installed along the outer perimeter of the playing surface, which helps preserve player safety and maintain field aesthetics.

FEATURES & BENEFITS

Innovative Nozzle Technology

The unique nozzle design minimizes water turbulence, which helps to maintain stream exit speed at the nozzle outlet. This results in longer throw, reduced flows and high distribution uniformity. Nozzles are available in 16, 20 and 24 mm sizes.

Low Maintenance Piston Drive

A fully enclosed piston drive system presents a smooth, continuous rotation.

Reduced Watering Time

A combination of high flows and fast (adjustable) rotation speeds allows for quick cooling of synthetic sports fields. Rotation speeds of 50 - 120 seconds for a 180° arc.

Integrated Valve-In-Head

The Perrot VP3 sprinkler is also available with a built-in 24 VAC electric Valve-In-Head option. The VP3 VAC features ON/OFF/Auto control at the rotor and provides individual management of each rotor to ensure they perform at their highest level of efficiency.

Top Serviceable

All parts including the solenoid can be serviced from the top of the sprinkler without the need for digging.



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SPECIFICATIONS

Applications: Sports fields with synthetic turf, hockey pitches, racetracks

Technical Data:

Nozzle Sizes: 16, 20, 24 mm

Rotation Time 180°: from min. 50 to max. 120 sec at 4-8 bar

Operating Pressure: 400 - 800 kPa

Trajectory: 25°

Radius Range: 34 - 54 m

Inlet: 2" BSP Female

Flow Range: 432 - 1148 L/Min

VP3 Performance Data

Operating Pressure	Nozzle 16 mm		Nozzle 20 mm		Nozzle 24 mm	
	L/Min	m	L/Min	m	L/Min	m
400 kPa	432	34.0	602	40.0	812	42.0
500 kPa	483	37.0	673	42.0	907	44.0
600 kPa	528	40.0	738	45.0	993	49.0
700 kPa	572	42.0	798	48.0	1073	52.0
800 kPa	612	44.0	853	50.0	1148	54.0

Maximum radius achieved at minimum rotation speed

VP3 Product Details

Sprinkler Type	Inlet	Body Height	Pop-up Height	Minimum Pressure	Exposed Surface	Lid
VP3	50 mm (2") BSPF	528 mm	120 mm	400 kPa	350 mm	256 mm
VP3 VAC	50 mm (2") BSPF	686 mm	120 mm	400 kPa	350 mm	256 mm

VP3 Ordering Information

RV25418	VP3 FC/PC Piston Drive Pop-up Sprinkler - 16 mm Nozzle
RV25419	VP3 FC/PC Piston Drive Pop-up Sprinkler - 20 mm Nozzle
RV25420	VP3 FC/PC Piston Drive Pop-up Sprinkler - 24 mm Nozzle
RV25366	VP3 FC/PC Piston Drive Pop-up Sprinkler w/ 24 VAC VIH - 16 mm Nozzle
RV25367	VP3 FC/PC Piston Drive Pop-up Sprinkler w/ 24 VAC VIH - 20 mm Nozzle
RV25368	VP3 FC/PC Piston Drive Pop-up Sprinkler w/ 24 VAC VIH - 24 mm Nozzle
RB25412	VP3 Nozzle Only - 16 mm
RB25413	VP3 Nozzle Only - 20 mm
RB25414	VP3 Nozzle Only - 24 mm