

# YOUTH OLYMPIC GAMES 2018

The unique PERROT VP irrigation system has played a key role in the recent Youth Olympic Games in Buenos Aires. Just like in the 2008/2012/2016 Summer Olympic Games, the hockey fields in the Parque Polideportivo Roca in Buenos Aires, Argentina were equipped with PERROT VP pop-up sprinklers.

The current VP3 version with its unique piston drive - only manufactured by PERROT - is a technically sophisticated and reliable pop-up sprinkler series. The VP3 series of sprinklers best fulfill the two main requirements of an artificial turf sprinkler system: a water distribution over the entire playing field, characterized by high uniformity, with all sprinklers located outside the field - and fast rotation of the sprinklers, allowing a full application of water across the field, prior to a game and during the halftime break in 10 minutes or less.

The sprinklers of the VP3 series achieve their optimum performance at an operating pressure of 4 - 8 bar. Thanks to the nozzle geometry developed with partners from universities, the pop-up sprinklers can reach a radius of more than 50 meters. The VP3 sprinklers have a water consumption of 26-69 m<sup>3</sup>/h at operating pressures between 4 and 8 bar. The trajectory of 25° ensures better wind resistance. Due to the ingenious placement of the near and mid - range nozzles, a CU (Christiansen's Uniformity Coefficient) value of more than 80% can be achieved with a correct sprinkler placement.

The VP3 is available as valve-in-head model, with very low pressure losses, even though the inlet of 2" is smaller than in the previous model. For trouble-free maintenance all parts including the solenoid can be serviced from the top without the need for digging.

These advantages were used in the Youth Olympic Games in Buenos Aires. The artificial turf is conserved because it is not damaged by cutouts within the playing field. And there is always enough water on the field - for a fast game and protection against injuries of the players.