

 TORO

# PERROT HYDRA-2-M VAC POP-UP SPRINKLER

The Perrot HYDRA-2-M VAC gear drive pop-up sprinkler is an ideal choice for irrigation of large turf areas like sports fields and parklands. Capable of achieving a throw of up to 31.5 m and a flow rate range of 70 - 190 L/minute, the Hydra-2-M is ideal for all large turf projects. The Hydra-2-M is supplied with a 24 VAC Valve-In-Head body. The valve is incorporated into the sprinkler body and is easily accessed from the top of the sprinkler.

## FEATURES & BENEFITS

### Innovative Nozzle Technology

The unique nozzle design minimizes water turbulence, which results in longer throw, reduced flows and high uniformity. Nozzles are available in 7, 8, 9, 10 and 11 mm sizes. Nozzles are easily removed / replaced.

### Easy Arc Adjustment

Hydra-2-M is available in a preset full circle (360°) and adjustable arc model (30-330°). Adjustable arc model is adjustable from both arc stops:

Left hand arc - up to 90°

Right hand arc - 30 to 330°

### Fast Rotation Speed

Rotation Speed for 360° arc in 130 - 280 seconds.

### Closed Case Rotor

Designed for maximum efficiency and durability.

### VAC Valve-In-Head

The Perrot Hydra-2-M sprinkler is available with a built-in 24 VAC electric Valve-In-Head body. This allows ON/OFF/Auto control at the rotor and provides individual management of each rotor to ensure that 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.



# PERROT HYDRA-2-M VAC POP-UP SPRINKLER

## SPECIFICATIONS

**Applications:** Sports fields and parklands

### Technical Data:

**Nozzle Sizes:** 7, 8, 9, 10 and 11 mm

**Operating Pressure:** 400 - 700 kPa

**Radius Range:** 20 - 31.5 m

**Flow Rate:** 70 - 190 L/Min

**Trajectory:** 25°

**Inlet:** 40 mm (1½") BSPF

**HYDRA-2-M Performance Data**

| Operating Pressure | Nozzle 7 mm |      | Nozzle 8 mm |      | Nozzle 9 mm |      | Nozzle 10 mm |      | Nozzle 11 mm |      |
|--------------------|-------------|------|-------------|------|-------------|------|--------------|------|--------------|------|
|                    | L/Min       | m    | L/Min       | m    | L/Min       | m    | L/Min        | m    | L/Min        | m    |
| 400 kPa            | 70          | 20.0 | 90          | 22.0 | 105         | 23.5 | 125          | 24.0 | 143          | 25.0 |
| 500 kPa            | 80          | 22.0 | 100         | 24.0 | 118         | 25.5 | 140          | 27.0 | 162          | 28.0 |
| 600 kPa            | 87          | 24.0 | 108         | 26.0 | 130         | 27.5 | 153          | 29.0 | 177          | 30.0 |
| 700 kPa            | 93          | 25.0 | 117         | 27.0 | 142         | 28.5 | 167          | 30.0 | 190          | 31.5 |

**HYDRA-2-M Product Details**

| Sprinkler Type | Inlet            | Body Height | Pop-up Height | Minimum Pressure | Exposed Surface | Lid   |
|----------------|------------------|-------------|---------------|------------------|-----------------|-------|
| HYDRA-2-M VAC  | 40 mm (1½") BSPF | 350 mm      | 80 mm         | 350 kPa          | 172 mm          | 65 mm |

**HYDRA-2-M Ordering Information**

|         |  |
|---------|--|
| RV13747 | HYDRA-2-M FC Pop-up Sprinkler w/ 24 VAC VIH & Synthetic Turf Cover - 7.0 mm Nozzle     |
| RV13748 | HYDRA-2-M FC Pop-up Sprinkler w/ 24 VAC VIH & Synthetic Turf Cover - 8.0 mm Nozzle     |
| RV13749 | HYDRA-2-M FC Pop-up Sprinkler w/ 24 VAC VIH & Synthetic Turf Cover - 9.0 mm Nozzle     |
| RV13750 | HYDRA-2-M FC Pop-up Sprinkler w/ 24 VAC VIH & Synthetic Turf Cover - 10.0 mm Nozzle    |
| RV13751 | HYDRA-2-M FC Pop-up Sprinkler w/ 24 VAC VIH & Synthetic Turf Cover - 11.0 mm Nozzle    |
| RV13707 | HYDRA-2-M FC/PC Pop-up Sprinkler w/ 24 VAC VIH & Synthetic Turf Cover - 7.0 mm Nozzle  |
| RV13708 | HYDRA-2-M FC/PC Pop-up Sprinkler w/ 24 VAC VIH & Synthetic Turf Cover - 8.0 mm Nozzle  |
| RV13709 | HYDRA-2-M FC/PC Pop-up Sprinkler w/ 24 VAC VIH & Synthetic Turf Cover - 9.0 mm Nozzle  |
| RV13710 | HYDRA-2-M FC/PC Pop-up Sprinkler w/ 24 VAC VIH & Synthetic Turf Cover - 10.0 mm Nozzle |
| RV13711 | HYDRA-2-M FC/PC Pop-up Sprinkler w/ 24 VAC VIH & Synthetic Turf Cover - 11.0 mm Nozzle |
| RB14682 | HYDRA-M Nozzle Only - 7.0 mm   |
| RB14683 | HYDRA-M Nozzle Only - 8.0 mm   |
| RB14684 | HYDRA-M Nozzle Only - 9.0 mm   |
| RB14685 | HYDRA-M Nozzle Only - 10.0 mm  |
| RB14686 | HYDRA-M Nozzle Only - 11.0 mm  |