

# MATABI

YOUR PARTNER  
FOR ACCURATE SPRAYING

evolution 15 





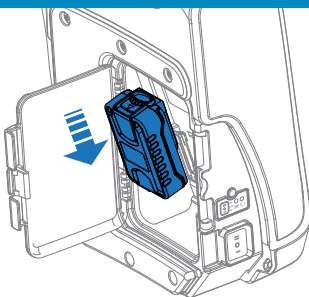
# Evolution LTControl is a battery-operated sprayer with electronic control, which ensures **HOMOGENEOUS SPRAYING THROUGHOUT THE TREATMENT.**

## 2 WORKING POSITIONS



Its simple **control system** allows users to select the most suitable operating mode for each type of application.

## 18 V Li-Ion BATTERY



MAX. **25 x**   
378 L

**18V**  
BATTERY  
Li-Ion

Easily accessible and replaceable protected battery.

\*Charger included

Integrated and ergonomic handle

Wide filling mouth



Includes set of nozzles:  
- 4 holes  
- Adjustable cone nozzle  
- Low-drift fan nozzle  
- Deflective

Reinforced hose

Stainless steel handle



Padded and adjustable straps with zipper

Fiberglass lance 0.75 m

Adjustable conical nozzle 0.8 l/m

High-performance membrane pump

**15**  
Litres

## TECHNICAL CHARACTERISTICS

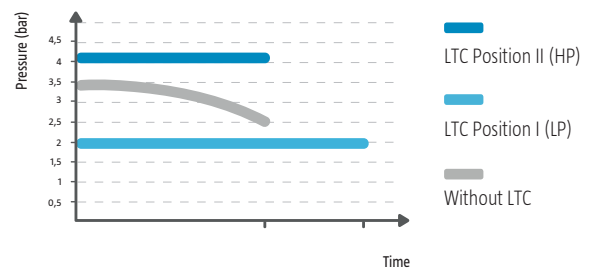
| NET WEIGHT        | RATED CAPACITY     | MAXIMUM PRESSURE  | BATTERY (Li-Ion) | MAXIMUM LOAD TIME | AUTONOMY LITRES BY BATTERY LOAD | CODE    |
|-------------------|--------------------|-------------------|------------------|-------------------|---------------------------------|---------|
| 3.9 kg<br>8.6 lbs | 15 L<br>4 gal (US) | 5,5 bar<br>80 PSI | 18 V<br>2.6 Ah   | 4h                | 180-378 L                       | 8.30.45 |

## LTC ELECTRONIC CONTROL

**LTC** ONTROL



Greater **performance** in application thanks to the electronic **control**, which ensures a homogeneous treatment.



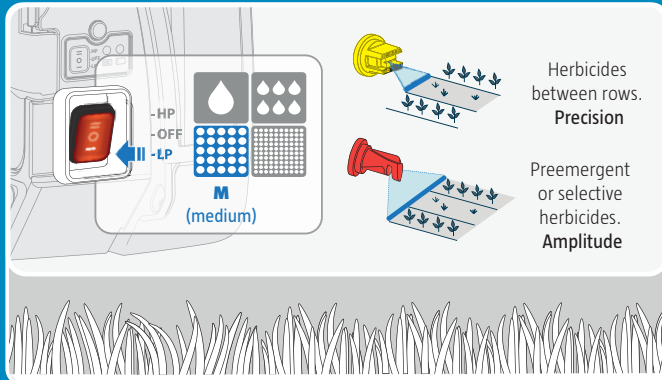
## NOZZLES INCLUDED

This device includes 2 nozzles for insecticide treatments and 2 nozzles for herbicide applications with the aim of increasing the effectiveness of the treatments. Please follow the recommendation in the following table to selecting the appropriate nozzle and working position to adapt the application to the specific requirements of each treatment and obtain the best results. Select mainly **position I** to reduce drift in herbicide applications and **position II** to apply insecticides/fungicides with a fine droplet size and greater coverage.

### POSITION I (LP)



#### HERBICIDE

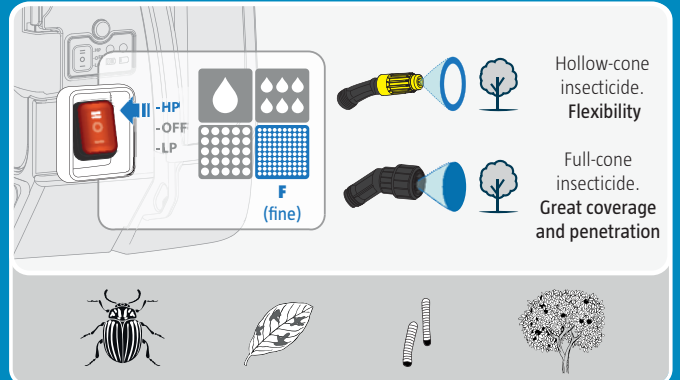


|        | Nozzle | Droplet Size (µm) | Pressure (bar) | Flow (L/min) | Coverage (L/Ha)<br>(v=1m/s-H=50 cm) | AUTONOMY |     |
|--------|--------|-------------------|----------------|--------------|-------------------------------------|----------|-----|
|        |        |                   |                |              |                                     | L        | n°x |
| Yellow | M      | 80                | 2              | 0.75         | 149                                 | 225      | 15  |
|        | M      | 120               | 1              | 0.9          | 100                                 | 378      | 25  |
|        | Nozzle | Droplet Size (µm) | PSI            | GPM          | GPA<br>v=2mph H=20"                 | AUTONOMY |     |
|        |        |                   |                |              |                                     | Gal      | n°x |
| Yellow | M      | 80                | 29             | 0.2          | 16                                  | 59       | 15  |
|        | M      | 120               | 14.5           | 0.24         | 11                                  | 99       | 25  |

### POSITION II (HP)



#### INSECTICIDE / FUNGICIDE



|        | Nozzle | Droplet Size (µm) | Pressure (bar) | Flow (L/min) | Coverage (L/Ha)<br>(v=1m/s-H=50 cm) | AUTONOMY |     |
|--------|--------|-------------------|----------------|--------------|-------------------------------------|----------|-----|
|        |        |                   |                |              |                                     | L        | n°x |
| Yellow | F      | 80                | 4              | 1            | 198                                 | 180      | 12  |
|        | F      | 80                | 3.5            | 1.1          | 218                                 | 198      | 13  |
|        | Nozzle | Droplet Size (µm) | PSI            | GPM          | GPA<br>v=2mph H=20"                 | AUTONOMY |     |
|        |        |                   |                |              |                                     | Gal      | n°x |
| Yellow | F      | 80                | 58             | 0.26         | 21                                  | 47       | 12  |
|        | F      | 80                | 50             | 0.29         | 23                                  | 52       | 13  |

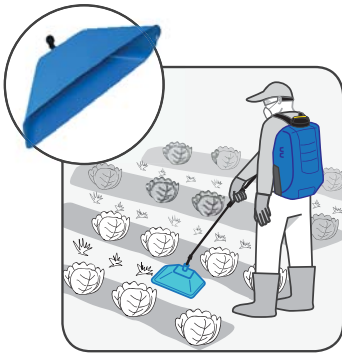
## SPRAY PARAMETERS PER NOZZLE FLOW

The following table summarises the range of suitable nozzles for the Evolution LTC model

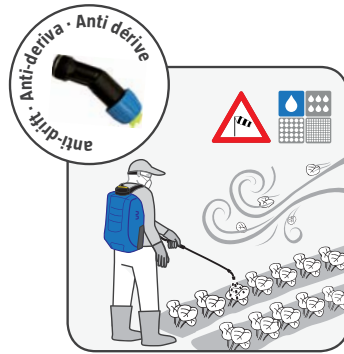
| POSITION I (LP)             |        |          |      | NOZZLE COLOUR<br>ISO Standard<br>10.625 | POSITION II (HP) |     |                             |         |
|-----------------------------|--------|----------|------|---|------------------|-----|-----------------------------|---------|
| AUTONOMY<br>by battery load |        | PRESSURE |      |   | PRESSURE         |     | AUTONOMY<br>by battery load |         |
| Gallons                     | Litres | PSI      | bar  |   | bar              | PSI | Litres                      | Gallons |
| 47                          | 180    | 45       | 3    | Green                                   | --               | --  | --                          | --      |
| 60                          | 225    | 30       | 2    | Yellow                                  | 4                | 60  | 180                         | 47      |
| 62                          | 230    | 25       | 1.75 | Purple (*)                              | 3.5              | 50  | 200                         | 52      |
| 85                          | 325    | 20       | 1.5  | Blue                                    | 3                | 45  | 216                         | 57      |
| 99                          | 378    | 15       | 1    | Red                                     | 2                | 30  | 260                         | 68      |
| --                          | --     | --       | --   | Brown                                   | 1.5              | 20  | 294                         | 78      |

(\*) Flow rate corresponding to 4-hole nozzle and double adjustable nozzle

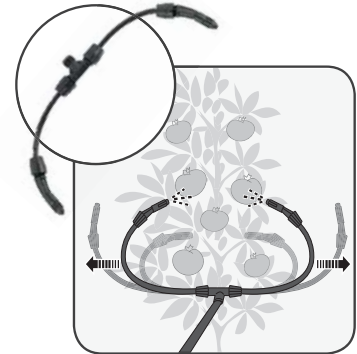
## OPTIONAL ACCESSORIES



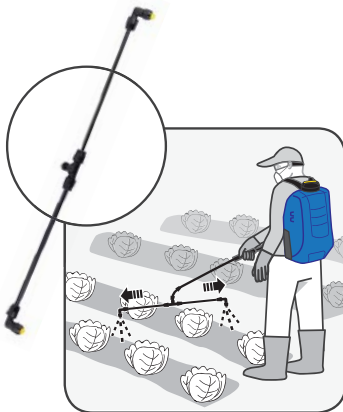
Rectangular / conical hood



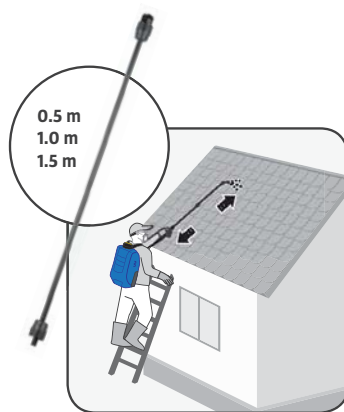
Air-induced nozzle



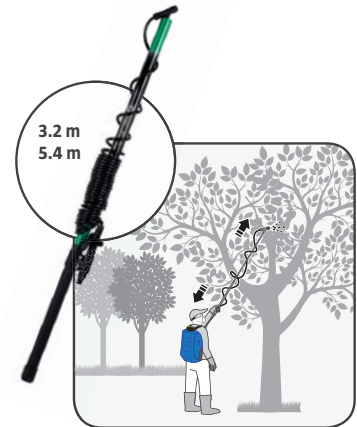
Flexible double nozzle



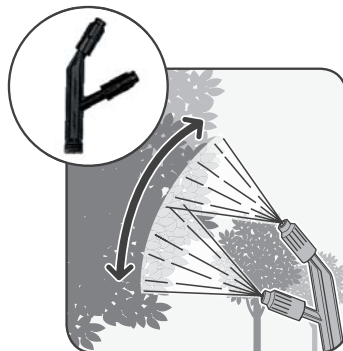
Extensible double nozzle



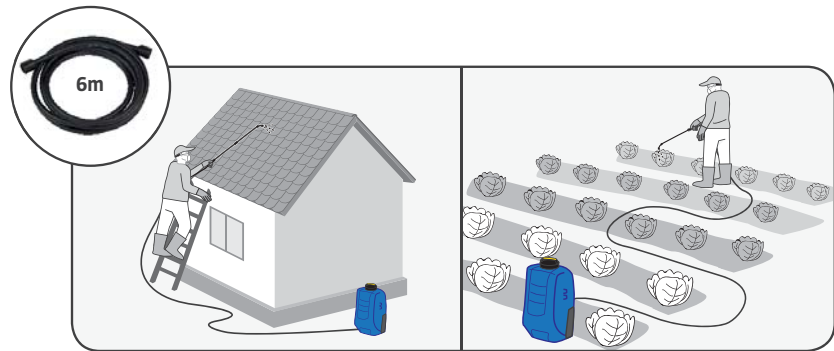
Extension



Telescopic lance



Double nozzle



6 m hose