

# HADAR 7110



**For irrigation, propagation and micro-climate**

## **APPLICATIONS**

- Horticulture and viticulture
- Orchards
- Greenhouses and nurseries
- Landscapes

## **STRUCTURE AND FEATURES**

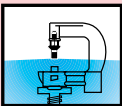
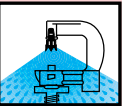
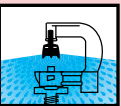
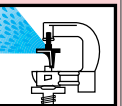
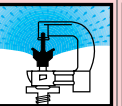
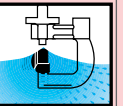
- Bayonet coupling
- Modular construction for simple use and modification
- Wide range of wetted patterns with 9 different inserts
- 11 color-coded nozzles with flow rates from 23-333 l/h
- Excellent water distribution
- Leakage Prevention Device (LPD)



## **TECHNICAL DATA**

- Recommended working pressure: 1.5-3.0 bar
- Wetted diameter: 1.7-11.0 m
- Filtration requirements:
  - 130 micron (120 mesh) for nozzles 0.8-1.2 mm
  - 200 micron (80 mesh) for nozzle 1.3 mm and more

### WETTED DIAMETER (m) AT 2.0 BAR

| Nozzle size (mm) | Nozzle color | Flow rate (l/h) |  |  |  |  |  |  |  |  |
|------------------|--------------|-----------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                  |              |                 | Mist sprayer                                                                      | Small sprayer                                                                     | Extra-range and insect-resistant sprayer                                          | Half-circle (180°) sprayer                                                        | Mini-range rotor 40L                                                                | Medium-range rotor                                                                  | Extra-range rotor                                                                   | Inverted rotor*                                                                     |
| 0.8              | Black        | 33              | 2.0                                                                               | 2.2                                                                               |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| 0.9              | Grey         | 41              | 2.1                                                                               | 2.3                                                                               | 2.4                                                                               |                                                                                   | 6.0                                                                                 |                                                                                     |                                                                                     |                                                                                     |
| 1.0              | Purple       | 50              | 2.3                                                                               | 2.4                                                                               | 3.0                                                                               |                                                                                   |                                                                                     | 6.6                                                                                 |                                                                                     | 8.4                                                                                 |
| 1.1              | Red          | 61              | 2.4                                                                               | 2.6                                                                               | 3.2                                                                               |                                                                                   |                                                                                     | 7.0                                                                                 |                                                                                     | 8.5                                                                                 |
| 1.2              | Orange       | 75              | 2.6                                                                               | 2.8                                                                               | 3.6                                                                               |                                                                                   |                                                                                     | 7.5                                                                                 |                                                                                     | 9.0                                                                                 |
| 1.3              | Green        | 87              | 3.0                                                                               | 2.9                                                                               | 3.6                                                                               | 3.0                                                                               |                                                                                     | 8.5                                                                                 |                                                                                     | 9.5                                                                                 |
| 1.4              | Blue         | 103             | 3.3                                                                               | 3.1                                                                               | 3.6                                                                               | 3.1                                                                               |                                                                                     |                                                                                     | 9.4                                                                                 | 10.0                                                                                |
| 1.6              | Yellow       | 128             | 3.6                                                                               | 3.0                                                                               | 3.7                                                                               | 3.3                                                                               |                                                                                     |                                                                                     | 9.6                                                                                 | 10.2                                                                                |
| 1.8              | Bright Green | 166             | 4.1                                                                               | 3.0                                                                               | 3.8                                                                               | 3.4                                                                               |                                                                                     |                                                                                     | 10.2                                                                                | 10.6                                                                                |
| 2.0              | White        | 199             | 4.4                                                                               | 3.2                                                                               | 3.9                                                                               | 3.5                                                                               |                                                                                     |                                                                                     | 10.4                                                                                | 11.0                                                                                |
| 2.3              | Brown        | 265             | 5.4                                                                               |                                                                                   | 4.2                                                                               | 3.7                                                                               |                                                                                     |                                                                                     | 10.6                                                                                |                                                                                     |

\*Tested under laboratory conditions at 2.0 above ground

### PERFORMANCE TABLE 7110 INVERTED ROTOR AT 2 BAR PRESSURE

| Nozzle (mm) | Nozzle color | Flow rate (l/h) | Diameter (m) | Precipitation (mm/h) Spacing (m) |     |     |     |     |     |     |     |     |  |
|-------------|--------------|-----------------|--------------|----------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|--|
|             |              |                 |              | 3x3                              | 3x4 | 3x5 | 4x4 | 4x5 | 4x6 | 5x5 | 5x6 | 6x6 |  |
| 1.3         | Green        | 87              | 9.5          | 8.9                              | 6.7 | 5.3 | 5.0 | 4.0 |     | 3.2 |     |     |  |
| 1.4         | Blue         | 103             | 10.0         | 6.4                              | 5.1 | 4.9 | 4.3 | 4.1 |     | 3.6 |     |     |  |
| 1.6         | Yellow       | 128             | 10.2         | 7.4                              | 6.0 | 5.7 | 5.0 | 4.8 | 5.0 | 4.3 | 4.0 | 3.3 |  |
| 1.8         | Bright Green | 166             | 10.6         | 9.0                              | 7.2 | 6.9 | 6.0 | 5.8 | 6.0 | 5.1 | 4.8 | 4.0 |  |
| 2.0         | White        | 199             | 11.0         | 10.5                             | 8.4 | 8.0 | 7.0 | 6.7 | 7.0 | 6.0 | 5.6 | 4.7 |  |

\*Tested under laboratory conditions at 2.0 above ground

|                                    |        |           |           |        |
|------------------------------------|--------|-----------|-----------|--------|
| Color code distribution uniformity | CU>92% | CU=89-92% | CU=85-88% | CU<85% |
|------------------------------------|--------|-----------|-----------|--------|

**7110**  
Inverted rotor with LPD



**7110 mist sprayer**  
4.0 mm inserted base



Leakage Prevention Device (Super LPD)

### MIST SPRAYER FOR PROPAGATION

- Spacing on line: 1.0 m
- Spacing between laterals: two laterals for 1.4-1.6 m table width  
single lateral for 1.2 m table width
- Recommended working pressure: 2.5-4.0 bar

