

HADAR 7110



For irrigation, propagation and micro-climate

APPLICATIONS

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

STRUCTURE AND FEATURES

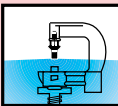
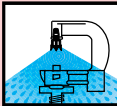
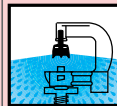
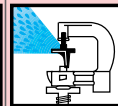
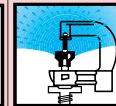
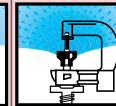
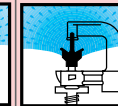
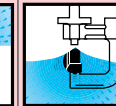
- Bayonet coupling
- Modular construction for simple use and modification
- Wide range of wetted patterns with 9 different inserts
- 11 color-coded nozzles with flow rates from 23-333 l/h
- Excellent water distribution
- Leakage Prevention Device (LPD)



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	9.7	7.3	5.8	5.4	4.4		3.5			
1.4	Blue	103	10.0	11.4	8.6	6.9	6.4	5.2					
1.6	Yellow	128	10.2	14.2	10.7	8.5	8.0	6.4	5.3	5.1	4.3	3.6	
1.8	Bright Green	166	10.6	18.7	14.0	11.2	10.5	8.4	7.0	6.7	5.6	4.7	
2.0	White	199	11.0	22.1	16.6	13.3	12.4	10.0	8.3	8.0	6.6	5.5	

*Tested under laboratory conditions at 2.0 above ground

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

7110
Inverted rotor with LPD



7110 mist sprayer
4.0 mm inserted base



Leakage
Prevention Device
(Super LPD)



GREEN SPIN



Non-drip inverted micro sprinkler
Ideal for overhead irrigation in
greenhouses

STRUCTURE AND FEATURES

- Bridgeless-no dripping during operation
- No deflection or “dead corners”
- Low trajectory
- Superior uniformity over a wide range of spacings
- Connections to PE or PVC pipes
- Optional Leakage Prevention Device (LPD) prevents drainage after shut-off
- Patent pending
- Tapered or bayonet connection





TECHNICAL DATA

- Recommended working pressure: 2.0-3.0 bar
- Flow rate: 43-200 l/h
- Filtration requirements:
brown and grey nozzles - 130 microns
green, orange, black and blue nozzles - 200 microns

COMPONENTS

color-coded nozzle



color-coded swivel



PERFORMANCE TABLE GREEN SPIN AT 2 BAR PRESSURE												
Swivel color	Nozzle color	Flow rate (l/h)	Wetted diameter (m)	Precipitation rate (mm/h) Spacing (m)								
				1.5x3	2x3	3x3	2x4	3x4	4x4	3x5	5x5	3x6
Grey	Brown	43	8.0	9.4	7	4.7						
	Grey	70	9.0	15.5	11.6	7.7	8.7	5.8	4.4			
	Green	105	9.0	23.4	17.5	11.7	13.2	8.8	6.6	7		
	Orange	120	9.5	26.4	19.8	13.2	14.8	9.9	7.4	7.9	4.7	
Black	Black	160	9.0	35.4	26.5	17.7	19.9	13.3	9.9	10.6	6.4	8.8
	Blue	200	9.5	44.3	33.3	22.2	24.9	16.6	12.5	13.3	8	11.1

Tested at laboratory conditions at 2.0m above ground

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