

Flipper

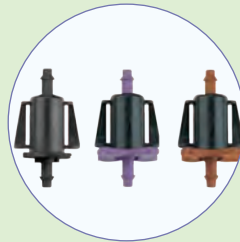


Features & Benefits



Unique Jet Spreader

Spreads water in a very long and narrow strip, targeting rows only



Flow Regulator Option

Optional flow regulator for hilly terrain or long rows



Stabiliser option for firm holding

To anchor the Flipper firmly to the post Stabiliser option is available



Unique Design

Unique and economical sprinkler design for frost protection application



Easy to Assemble & Disassemble

For ease maintenance & inspection



Barbed Inlet Connection

Available 8 mm barbed connections

Flipper

Additional Features

- Saves up to 70% of water compared to conventional overhead systems
- Large droplets minimize the cooling effect when starting the system
- Safe operation under frost conditions
- Low installation and pumping costs
- Dry pathways reduce waterlogging and facilitate access for workers and equipment soon after operation

Applications

- Unique sprinkler for frost protection application

Specifications

- Flow Rates: 25 to 43 lph
- Inlet Connection: Push-Fit tapered connection, Stabiliser Connection (for wooden pole)
- Recommended Spacing's: 6 m to 9 m
- Recommended Pressure: 2.0 kg/cm² to 3.0 kg/cm²

Technical Specifications

Nozzle (mm)	Flipper color	Flow rate (l/h) (at 2 kg/cm ²)	Maximal recommended spacing (m) between Flippers**
Black	Black	25*	6.0
Violet	Black	35*	7.0
Brown	Brown	43*	9.0

* For regulated unit : 2.5 - 4.0 kg/cm²

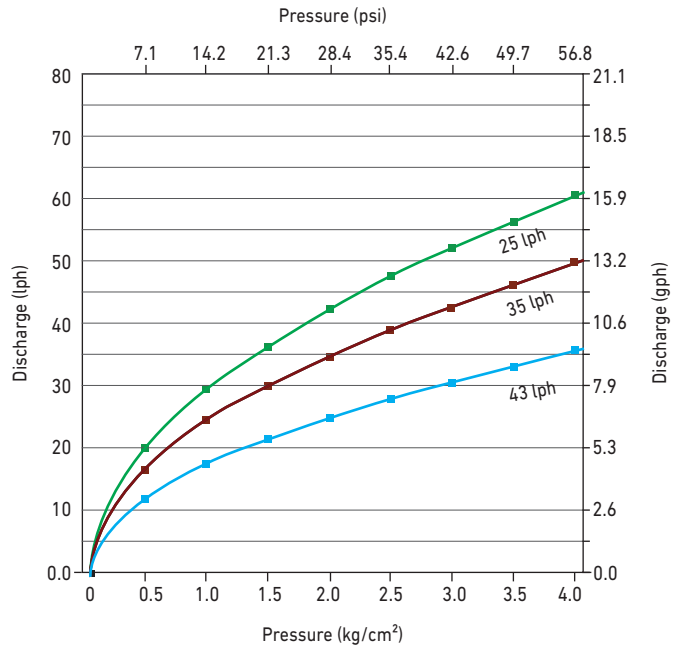
** When Flippers mounted 1.0 m above the target

Amount of water (m³/ha/hr) required by Flipper protection system and water saving compared to conventional 40 m³/ha/hr system

Nozzle Colour	Vineyard with 3.0 row spacing	% of water saving	Vineyard with 2.5 m row spacing	% of water saving
Black	14.0	65	16.0	58
Violet	16.6	58	20.0	50
Brown	16.0	60	19.0	52

* When Flippers are at maximal at 2 kg/cm² pressure.

Performance Graph



Recommended start-up temperatures for frost protection at various dew points

Dew point temp (°C)	-9.5	-9.0	-8.5	-8.0	-7.5
Start up temp (°C)	+4.0	+4.0	+3.5	+3.5	+3.0
Dew point temp (°C)	-6.5	-6.0	-5.5	-5.0	-4.5
Start up temp (°C)	+3.0	+3.0	+2.0	+2.0	+1.5
Dew point temp (°C)	-4.0	-3.5	-3.0	-2.0	-1.5
Start up temp (°C)	+1.5	+1.0	+1.0	+0.5	+0.5

