

# Hydra™

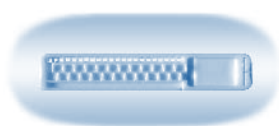
35150

For use in row crops

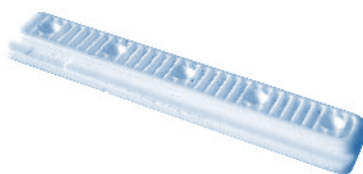
- Superior TurboNet™ flow regime
- Wide filtration area
- Wide cross-section improves clogging resistance
- Optional "flap" outlet to prevent suck-back



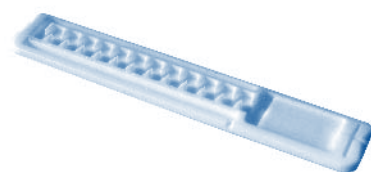
## Hydra™ facets



Internal emitter protected from mechanical damage.  
Low sensitivity to high water temperature  
Injected molded drippers construction ensuring uniform drippers and very low CV



Large filtration area to ensure optimal performance even under harsh water conditions



Large, wide, deep and short flow path cross-section, to minimize clogging and ensure exact flow rate in all conditions

## Drippers technical data

Nominal flow rate (l/h.)*	Max. working pressure (bar)	Flow rate at max. working pressure (bar)	Water passages dimensions			Filtration area (mm <sup>2</sup> )	Constant K	Exponent x
			Width (mm.)	Depth (mm.)	Length (mm.)			
0.80	0.8	0.72	0.64	0.39	23	29	0.284	0.45
1.05	0.8	0.95	0.64	0.50	23	29	0.373	0.45
1.65	0.8	1.48	0.79	0.60	23	34	0.546	0.48
2.70	0.8	2.43	0.89	0.85	23	34	0.894	0.48

\* At 1.0 bar

## Drippers flow vs. pressure

Model Nominal flow rate*	Flow rate (l/h.) at pressure (bar)				
	0.40	0.50	0.60	0.70	0.80
0.80	0.53	0.59	0.64	0.68	0.72
1.05	0.70	0.77	0.84	0.90	0.95
1.65	1.06	1.18	1.29	1.39	1.48
2.70	1.74	1.94	2.11	2.28	2.43

\* At 1.0 bar

## Dripperlines technical data

Model	Inside diameter (mm.)	Wall Thickness (mm.)	Outside diameter (mm.)	Max. working pressure (bar)	KD
35150	35.00	0.38	35.76	0.80	0.01

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## Performance Data

### Hydra™ 35150 - I.D. 35.00 mm. - Inlet pressure 0.80 bar

Maximum lateral length (meter) at 10% Flow variation - spacing between drippers (meter)

Model Nominal flow rate*	Slope %	Spacing between drippers (m.)					
		0.2	0.3	0.4	0.5	0.6	0.75
0.80	0	529	691	833	963	1083	1250
1.05	0	397	518	625	722	812	938
1.65	0	312	408	492	569	640	738
2.70	0	224	293	352	408	460	530

\* At 1.0 bar

For more information, please contact Netafim™ Technical Department or connect to our website at: [www.netafim.com](http://www.netafim.com)

06-0707-DRP-PS-0072-EN

## Packaging Data

Hydra™ on carton coils	Wall thickness (mm.)	Distance between drippers (meter)	Coil length (meter)	Average coil weight* (kg.)	Number of coils in a pallet (units)	Average pallet weight* (kg.)	Coils in a 40 feet container (units)	Total in a 40 feet container (meters)
35150	0.38	0.15 to 0.25	800	33.8	12	414.6	480	384000

\* According to drippers spacing

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