



HYDRA™ 35150

INTEGRAL THIN-WALLED DRIPPERLINE

APPLICATIONS

- Row crop irrigation.

SPECIFICATIONS

- Maximal working pressure according to pipe's wall-thickness.
- TurboNet™ labyrinth with large water passages.
- 4 different flow rates.
- To be "welded" into thin-walled dripperlines (0.38 mm).
- Injected dripper, very low CV.
- Hydra™ drippers meet ISO 9261 Standards and production is certified by the Israel Standards Institute (SII)

FEATURES AND BENEFITS

- TurboNet™ labyrinth assures wide water passages, large deep and wide cross section improves clogging resistance.
- Wide filtration area with improved resistance to clogging.
- Injection molded dripper construction, ensuring uniform drippers and very low CV.
- Can be retrieved and reused.

DRIPPERS TECHNICAL DATA

NOMINAL FLOW RATE (L/H.)*	MAX. WORKING PRESSURE (BAR)	FLOW RATE AT MAX WORKING PRESSURE (L/H)	WATER PASSAGES DIMENSIONS WIDTH-DEPTH-LENGTH (MM X MM X MM)	FILTRATION AREA (MM ²)	CONSTANT K	EXPONENT X
0.80	0.8	0.72	0.64 x 0.39 x 23	29	0.284	0.45
1.05	0.8	0.95	0.64 x 0.50 x 23	29	0.373	0.45
1.65	0.8	1.48	0.79 x 0.60 x 23	34	0.546	0.48
2.70	0.8	2.43	0.89 x 0.85 x 23	34	0.894	0.48

* At 1.0 bar pressure

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

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	0.8	0.01



HYDRA™ 35150

PERFORMANCE DATA

Hydra™ 35150 - I.D. 35.0 mm. - Kd 0.01 - Inlet pressure 0.8 bar - Nominal flow rate 0.80 l/h.
Maximum lateral length (meter) at 10% Flow variation

	SLOPE %	SPACING BETWEEN DRIPPERS (M.)					
		0.2	0.3	0.4	0.5	0.6	0.7
UPHILL	1%	129	130	131	132	131	132
FLAT TERRAIN	0%	486	633	764	883	992	1096
DOWNHILL	-1%	178	172	170	169	168	167

Hydra™ 35150 - I.D. 35.0 mm. - Kd 0.01 - Inlet pressure 0.8 bar - Nominal flow rate 1.05 l/h.
Maximum lateral length (meter) at 10% Flow variation

	SLOPE %	SPACING BETWEEN DRIPPERS (M.)					
		0.2	0.3	0.4	0.5	0.6	0.7
UPHILL	1%	127	129	130	131	131	132
FLAT TERRAIN	0%	408	532	642	742	834	921
DOWNHILL	-1%	187	175	171	170	169	168

Hydra™ 35150 - I.D. 35.0 mm. - Kd 0.01 - Inlet pressure 0.8 bar - Nominal flow rate 1.65 l/h.
Maximum lateral length (meter) at 10% Flow variation

	SLOPE %	SPACING BETWEEN DRIPPERS (M.)					
		0.2	0.3	0.4	0.5	0.6	0.7
UPHILL	1%	114	118	120	121	122	122
FLAT TERRAIN	0%	302	394	476	550	618	683
DOWNHILL	-1%	114	118	120	121	122	122

Hydra™ 35150 - I.D. 35.0 mm. - Kd 0.01 - Inlet pressure 0.8 bar - Nominal flow rate 2.70 l/h.
Maximum lateral length (meter) at 10% Flow variation

	SLOPE %	SPACING BETWEEN DRIPPERS (M.)					
		0.2	0.3	0.4	0.5	0.6	0.7
UPHILL	1%	106	113	117	119	120	120
FLAT TERRAIN	0%	220	288	347	401	451	498
DOWNHILL	-1%	333	483	188	174	168	165

For more information , please contact Netafim Technical Department or connect to our website at : www.netafim.com

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 0.75	800	33.8	12	414.6	480	384000

*According to drippers spacing