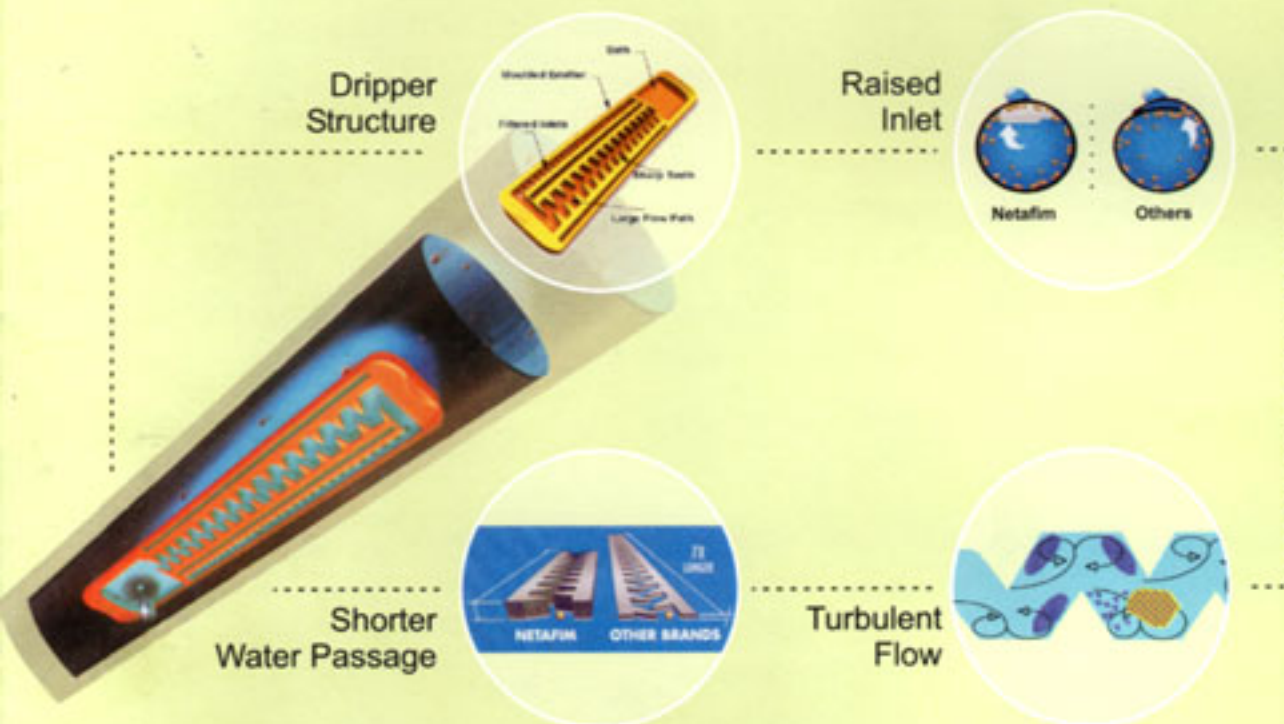


Based on patented Israeli technology featuring a low-profile, integrally constructed dripper manufactured with a full length inlet filter and large water passages. In the integral dripperline drippers are welded inside at regular intervals at the time of manufacturing. Prevents clogging and increases long-term performance. Enables longer runs with lower maintenance and costs. Offers flexibility and performance for almost any application.



Feature - Advantage - Benefit

Feature	Advantage	Benefit
Moulded Emitter	Low flow variation across field	Uniform application of water and nutrients
Small internal Emitter	Protected from mechanical damage	Higher field durability
Large Flow Path Cross Section	Easily passes particles	Clog - Free
Sharp Teeth	Increased turbulence	Flushed out emitter
Seamless Tube	Maintains greater tensile and burst strength, Handles higher pressures	Does not split under higher flushing pressures, Higher field durability
Raised Inlet	Cleaner water enters emitter	Clog Resistant
Emitter Filters	Prevent clogging	Less maintenance - longer life

Netafim Dripline Advantages

High Emission Uniformity

- Pressure/Flow Rate relationship is 0.48 or 0.46
- Mfg. variability coefficient CV = 0.03
- Moulded Emitter
- Superior turbulent flow regime
- 100% pressure increase raises the flow rate only by 38%
- Long laterals at given flow variation
- No stretching of flow path during installation

Raised Emitter Design

Netafim's advantage is in its raised emitter design, with filtered inlets projecting toward the tube centre where water is cleaner. This also permits particles which gravitate toward tube walls to bypass the emitter inlet for minimal clogging.

Water Passage Dimensions

Dripper Discharge	Water Passage Dimensions (mm)			Inlet Filter
	Width	Depth	Length	
1.3 LPH	0.6	0.6	22.80	26
2.0 LPH	0.7	0.7	20.00	22
3.0 LPH	0.8	0.8	18.10	19

Product Specifications

Netafim integrated driplines are available in various diameters, dripper discharges and dripper spacing from 15 cm to 150 cm giving wider choice and flexibility in selection of driplines.

- Diameter (mm) 12 16
- Drinker Discharge (LPH) 1.3 2 3
- Drinker Spacing (meter) 0.2 0.3 0.4 0.5 0.6 0.75 0.9 1.0 1.5

Applications

Netafim driplines are suitable for irrigating all close spaced crops and horticultural plants such as

- **Vegetables** Tomato, Cauliflower, Cabbage, Brinjal, Bitter gourd, Capsicum, Chilli, Cucumber, Gherkins
- **Field Crops** Sugarcane, Cotton, Groundnut, Maize, Corn, Castor, Mulberry
- **Horticulture** Banana, Grapes, Pomegranate, Papaya, Citrus, Pineapple, Strawberry etc.
- **Flowers** Roses, Carnation, Gerbera, Chrysanthemum
- **Medicinal Plants** Patchouli, Safed Musali, Turmeric, Ginger, Aloe vera, Choleus etc.

High Flexibility

- Superior raw materials
- Diameter options
- Choice of flow rates
- Flexible inter-dripper spacing

High Clog Resistance

- Cross section of water path = 0.82 x 0.85 mm
- Drinker inlet filter located 2.5 mm above inner pipe wall
- Short labyrinth with fewer baffles
- Wider cross-section allows penetration of large particles
- Drinker inlet filter smaller than labyrinth
- Inlet located above pipe wall, flushed by water flow and reduced clogging potential.

Hydraulic Data

Flow Rate : 1.3 LPH

Dripline Type	Slope	Dripper Spacing (m)								
		(%)	0.30	0.40	0.50	0.60	0.70	0.75	0.80	0.90
DLN 2012	2	40	47	52	56	60	62	64	66	68
	1	45	54	61	67	73	75	78	84	88
	0	50	60	70	80	88	92	96	105	110
	-1	55	67	79	90	100	105	110	120	131
	-2	58	72	86	98	111	117	123	135	147
DLS 2012	2	43	50	55	59	62	64	66	68	70
	1	50	58	66	72	78	81	84	89	93
	0	56	68	78	88	97	102	106	115	123
	-1	61	75	89	101	113	119	125	136	147
	-2	65	82	97	112	126	133	140	154	167
DLN 2016	2	62	69	74	77	80	81	82	84	85
	1	76	88	99	107	115	118	120	126	131
	0	92	112	130	147	163	171	178	192	206
	-1	106	132	156	180	203	214	224	246	267
	-2	117	148	178	207	217	228	239	252	270

Flow Rate : 2.0 LPH

Dripline Type	Slope	Dripper Spacing (m)								
		(%)	0.30	0.40	0.50	0.60	0.70	0.75	0.80	0.90
DLN 2012	2	33	38	43	46	50	52	53	56	58
	1	36	42	48	54	59	60	63	68	71
	0	39	47	55	62	68	71	74	80	86
	-1	42	51	60	68	76	80	84	90	98
	-2	44	55	64	74	82	87	91	100	109
DLS 2012	2	34	40	45	49	52	54	55	58	60
	1	38	45	52	57	62	64	66	71	75
	0	41	50	58	66	73	76	79	85	92
	-1	45	55	65	73	82	86	90	98	106
	-2	47	58	70	79	90	95	99	108	117
DLN 2016	2	50	57	62	66	69	70	71	74	75
	1	58	69	78	85	92	95	98	102	107
	0	68	82	96	108	120	125	130	140	151
	-1	76	94	111	127	142	150	158	172	187
	-2	82	103	123	143	162	171	180	199	210

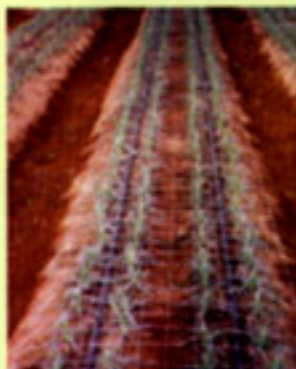
Flow Rate : 3.0 LPH

Dripline Type	Slope	Dripper Spacing (m)								
		(%)	0.30	0.40	0.50	0.60	0.70	0.75	0.80	0.90
DLN 2012	2	26	30	34	36	41	43	44	47	49
	1	28	33	38	42	46	48	50	54	57
	0	30	36	41	47	52	55	57	61	63
	-1	31	38	45	51	57	59	62	67	73
	-2	33	40	47	55	60	64	67	73	79
DLS 2012	2	27	32	36	40	42	44	45	48	51
	1	29	35	40	44	49	51	53	55	60
	0	31	38	44	50	55	58	60	65	69
	-1	33	40	48	54	60	63	66	72	78
	-2	34	42	50	57	64	68	71	78	84
DLN 2016	2	40	47	52	56	60	62	64	66	68
	1	46	54	62	68	74	76	79	84	88
	0	51	62	72	82	90	94	98	106	114
	-1	55	69	81	93	104	110	114	125	135
	-2	60	74	88	102	115	121	128	140	153

Note : Maximum lateral length (meter) for 7.5 % flow variation.

Netafim - Israeli Drip Technology

Total Growing Solution



Netafim Irrigation India Private Limited

268 - 270 GIDC, Village Manjusar, Savali, Dist. Vadodara - 391 775. Gujarat. Tel. : (02667) 264 601/2. Fax : (02667) 264 600

■ Regional Offices :

Vadodara : 202/A, Silver Point, Behind Hotel Express, R. C. Dutt Road, Alkapuri, Vadodara - 390 005. Gujarat. Tel. : (0265) 235 7790
Fax : 235 7791

Pune : 12, 'Asmita', Bhartinagar, Paud Road, Kothrud, Pune - 411 038. Maharashtra. Tel. : (020) 528 6080. Telefax : (020) 528 1337

Jalgaon : 52 / B, Zilla Peth, Behind Sainath Mandir, Shri Vivekanand Nagar, Jalgaon - 425 001. Maharashtra. Tel. : (0257) 222 9736

Bangalore : B-80, Rajaji Nagar Industrial Estate, Bangalore- 560 044. Karnataka. Tel. : (080) 350 1613. Fax : (080) 391 9839

Hyderabad : Second Floor, No. 16, Park Avenue Colony, Hyderabad - 500 016. Andhra Pradesh. Tel.: (040) 2375 4094 / 2375 4095