

WATER FALL - N



Application
Row crop irrigation

Benefits

Flexible and thin linear dripper
Unique labyrinth for turbulence
Resistant to UV and agricultural chemicals
Low CV under 0.045



General Specification

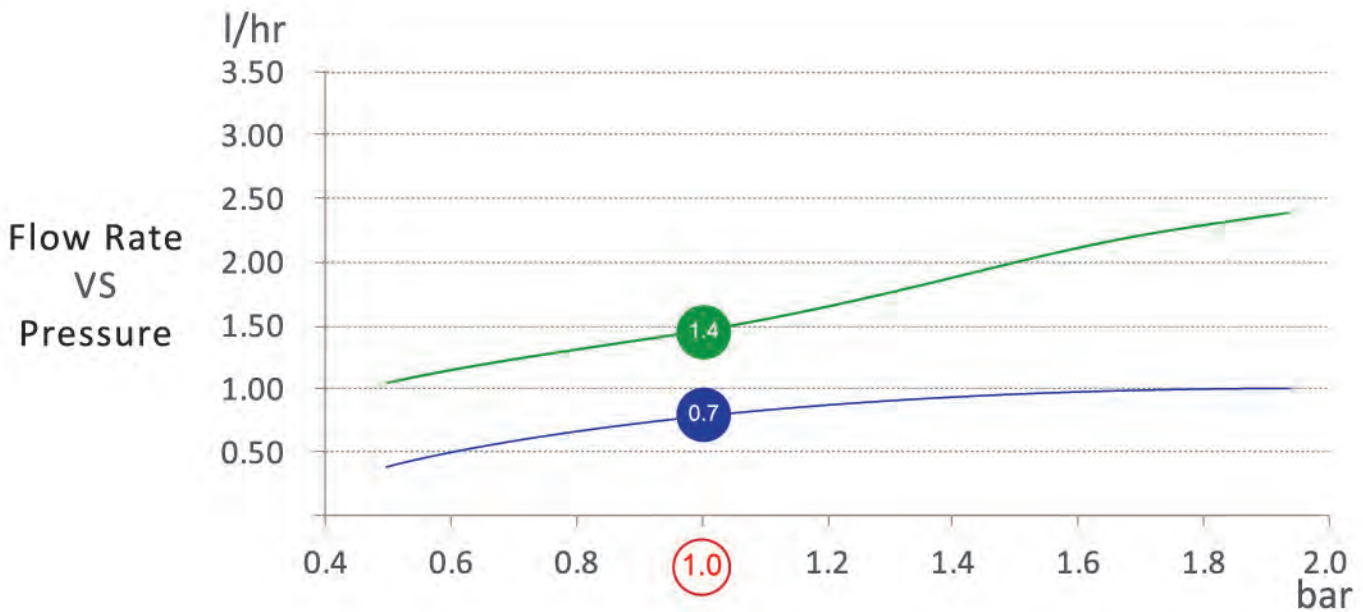
Inside Diameter	16.1 mm / 22 mm
Wall Thickness	0.15 mm ~ 0.40 mm(6 mil ~ 16 mil)
Emitter Distance	10cm / 20cm
Flow rate (1 bar)	0.7 / 1.4 L.H
Working Pressure	0.5 ~ 1.5 bar
Filtration	120 mesh
Roll Length	1000 m / 1800 m / 1600m

Water Fall - N Tape Technical data

ID(mm)	Wall Thickness (mm) (mil)	OD(mm)	Recommended Working Pressure	Maximum Pressure
16.1	0.15 6	16.4	0.5 ~ 1.0	> 1.5
	0.20 8	16.5	0.5 ~ 1.0	> 2.0
	0.25 10	16.6	0.5 ~ 1.2	> 3.2
	0.30 12	16.7	0.5 ~ 1.2	> 4.0
	0.35 14	16.8	0.5 ~ 1.2	> 4.5
	0.40 16	16.9	0.5 ~ 1.2	> 5.2
22 mm	0.18 7	22.36	0.5 ~ 1.2	> 1.5
	0.20 8	22.4	0.5 ~ 1.2	> 2.0

Drippers' Technical Data

Nominal Flow rate (L/H) at 1 bar	Water Passages W x D x L (mm)	Recommended Filtration (mesh) / (micron)	CV	Constant K	Exponent X
0.7	0.85 x 0.40 x 76	120 / 130	< 4.3 %	0.28	0.54
1.4	1.10 x 0.40 x 67	120 / 130	< 4.5 %	0.55	0.54



Flow rate(L/H) VS Pressure(bar)

Nominal	0.5	0.8	1.0	1.2	1.5
0.7	0.42	0.63	0.72	0.82	0.93
1.4	1.02	1.43	1.44	1.84	2.12

Maximum Lateral Length(m) within 85% uniformity on Flat Terrain

ID(mm)	Nominal (L/H)	Inlet Pressure(bar)	Dripper Distance(cm)	
			10	20
16.1	0.7	0.7	69	120
		1.0	82	142
16.1	1.4	0.7	50	78
		1.0	55	92
22	0.7	0.7	135	195
		1.0	145	216
22	1.4	0.7	127	156
		1.0	135	187



Loading Quantity (ID: 16.1 mm)

Wall Thickness	Roll Length(m)	Emitter Spacing (cm)	Average Roll Weight (Kgs)	20 feet (Rolls)	40 feet (Rolls)	40 HC (Rolls)
6 mil (0.15 mm)	1000 m	10	13.5	675	1430	1690
		20	13.5	675	1430	1690
	1800 m	10	23.5	440	944	1040
		20	23.5	440	944	1040
8 mil (0.20 mm)	1000 m	10	13.5	675	1430	1690
		20	13.5	675	1430	1690
	1800 m	10	23.5	440	944	1040
		20	23.5	440	944	1040

Loading Quantity (ID: 22 mm)

7 mil (0.18 mm)	1000 m	10	15	-	-	-
		20	15	-	-	-
	1600 m	10	24.5	440	944	1040
		20	24.5	440	944	1040



With wide range of choices in spec, Water Fall is applicable to most row crops in open field, greenhouse and nutriculture - strawberry, onion, carrot, radish, cabbage, tomato, potato, sugarcane, cucumber, tobacco, aubergine, watermelon, pepper and flowers,,,,etc.

Using highest quality of polyethylene has been one of main production rules and promises to grower's valuable efforts, and never waived since company installation, 1996.

And added with carbon and special agents, Water Fall secures good durability and resistance against field abrasion, agri chemicals, ultraviolet rays.