



WATER LINE

Application
Perennial crop irrigation



Benefits
Excellent durability for multi year usage
Less Clogging
Resistant to UV and agricultural chemicals
Uniform flow rate



General Specification

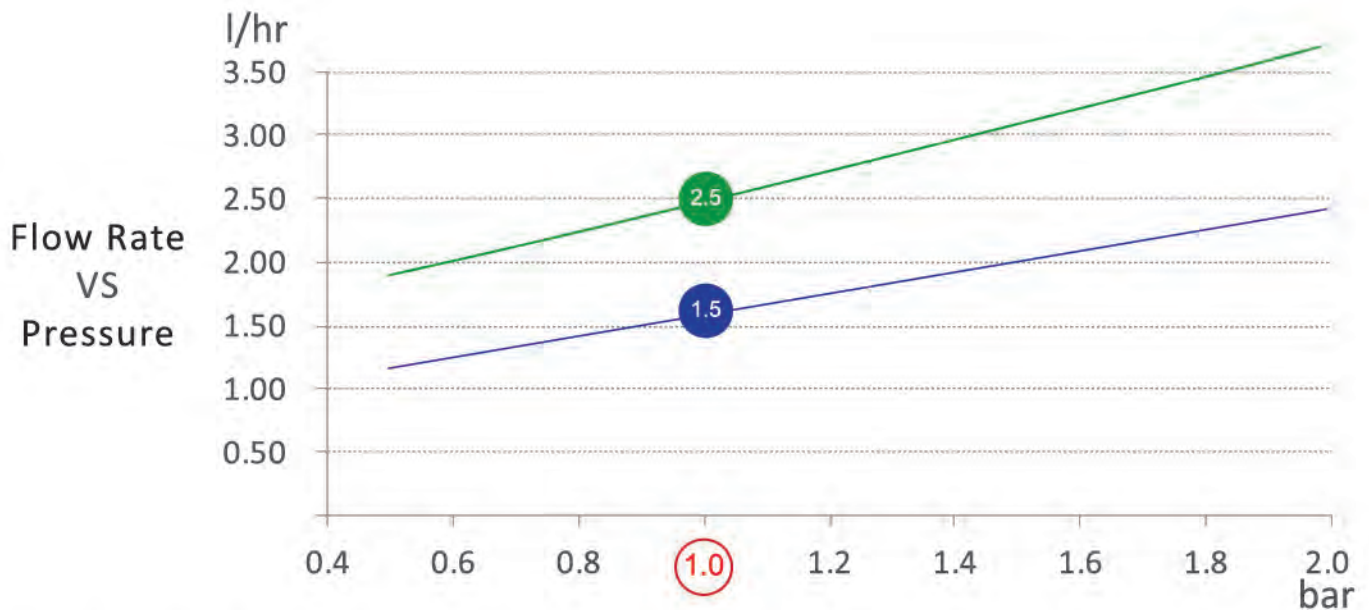
Outside Diameter	15.8 mm
Wall Thickness	1.0 mm ~ 1.2 mm(39 mil ~ 47 mil)
Emitter Distance	15 ~ 100 cm
Flow rate (1 bar)	1.5 / 2.5 L.H
Working Pressure	1.0 ~ 1.5 bar
Filtration	120 mesh
Roll Length	300 m / 400 m

Water Line Technical data

ID(mm)	Wall Thickness (mm) (mil)	OD(mm)	Recommended Working Pressure	Maximum Pressure
13.8	1.0 39.37	15.8	1.0 ~ 1.5	> 2.2
13.6	1.1 43.30	15.8	1.0 ~ 1.5	> 3.2
13.4	1.2 47.24	15.8	1.0 ~ 1.5	> 4.2

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
1.5	1.00 x 0.80 x 124	120 / 130	< 3.3 %	0.284	0.49
2.5	1.10 x 0.80 x 114	120 / 130	< 4.9 %	0.390	0.65



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

Nominal	0.5	0.8	1.0	1.2	1.5
1.5	1.25	1.48	1.56	1.87	2.05
2.5	1.90	2.35	2.55	2.84	3.25

Maximum Lateral Length(m) within 90% uniformity on Flat Terrain

Nominal (L/H)	Inlet Pressure(bar)	Dripper Distance(cm)					
		15	20	30	40	50	100
1.5	0.7	53	67	79	90	120	176
	1.0	77	92	118	143	164	256
2.5	0.7	45	55	68	77	97	139
	1.0	58	69	89	107	123	192

Loading Quantity

Roll Length(m)	Emitter Spacing (cm)	Roll Size (cm)	20 feet (Rolls)	40 feet (Rolls)	40 HC (Rolls)
300 m	10, 15, 20	67 * 32	200	408	459
400 m	> 30	76 * 32	174	369	417

