



ROUND TYPE DRIPLINE

APPLICATIONS

- Fruit crops
- Vineyards
- Olive trees
- Greenhouses
- Row crops
- Field crops

FEATURES

- Installed on-surface or sub-surface
- Wide filtration area
- Wide water passage section to prevent clogging
- Injected dripper with compact design
- Very low CV value
- Four outlet holes per dripper to prevent blockage from external factors
- UV resistant
- Resistant to chemicals and fertilizers used in agriculture

TECHNICAL INFO

Nominal diameter:

16 & 20 mm

Wall thickness:

32 mil (0,80 mm) - 48 mil (1,20 mm)

Nominal flow rates (1 bar):

1,00 / 2,00 / 4,00 LPH

Dripper spacing:

20, 25, 30, 33, 40, 50, 60, 75, 100 & 120 cm

Coil length*:

300 / 400 m

Related standards:

ISO 9261 Agricultural irrigation equipment -- Emitters and emitting pipe -- Specifications and test methods

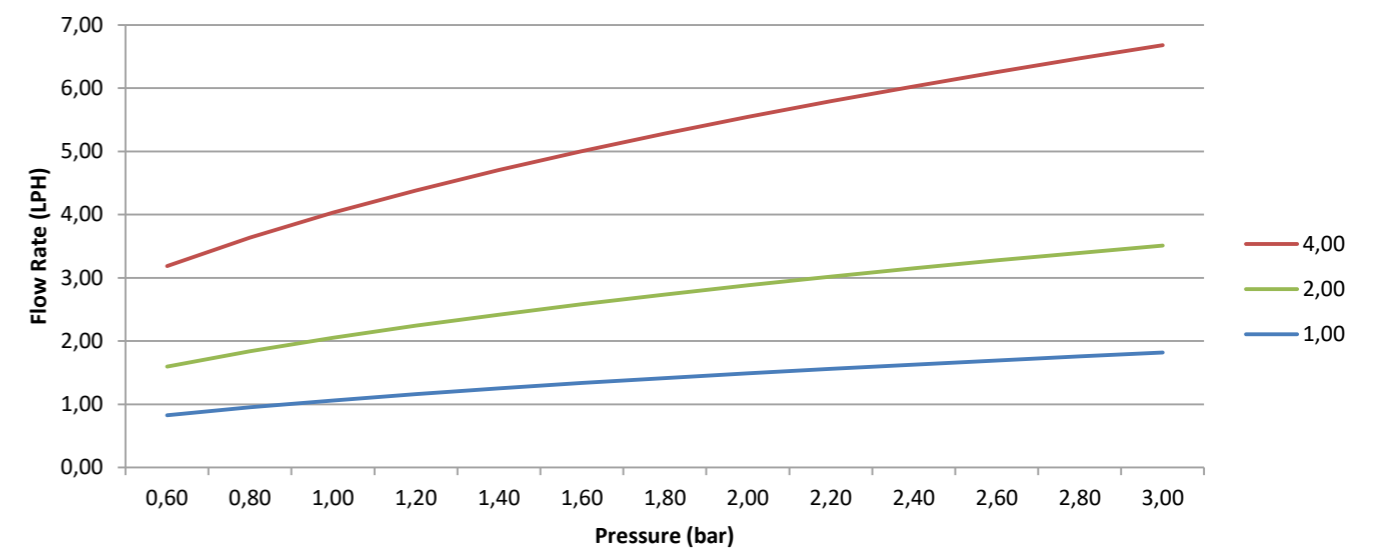
* Coil length changes according to diameter. Please see the loading info tables of each diameter for details.



DRIPPER TYPES

Nominal flow rate <i>LPH (1 bar)</i>	1,00	2,00	4,00
Flow constant <i>k</i>	1,06	2,05	4,03
Flow exponent <i>x (*)</i>	0,49	0,49	0,46
Flow equation <i>Q = kP^x</i>	1,06 P ^{0,49}	2,05 P ^{0,49}	4,03 P ^{0,46}
Average CV <i>% (1 bar)</i>	4,35	4,17	4,06
Average flow variation <i>% (1 bar)</i>	2,82	2,64	2,53
Water passage dimensions			
<i>width (mm)</i>	0,65	0,76	1,28
<i>depth (mm)</i>	0,82	1,05	1,15
<i>length (mm)</i>	123 x 2	89 x 2	52 x 2
Filtration area <i>mm² x no of inlets</i>	0,196 x 46	0,385 x 32	0,636 x 22
Required filtration <i>micron/mesh</i>	105/140	125/120	125/120

FLOW RATE VS. PRESSURE



Nominal flow rate <i>LPH (1 bar)</i>	Pressure <i>bar</i>												
	0,60	0,80	1,00	1,20	1,40	1,60	1,80	2,00	2,20	2,40	2,60	2,80	3,00
1,00	0,83	0,95	1,06	1,16	1,25	1,33	1,41	1,49	1,56	1,63	1,69	1,76	1,82
2,00	1,60	1,84	2,05	2,24	2,42	2,58	2,73	2,88	3,02	3,15	3,27	3,40	3,51
4,00	3,19	3,64	4,03	4,38	4,70	5,00	5,28	5,54	5,79	6,03	6,25	6,47	6,68



TECHNICAL SPECIFICATIONS

Product code	ID mm	Wall thickness mil/mm	OD mm	Max working pressure bar
016 ROD 032 XXX XXX	13,75	32/0,80	15,35	1,50
016 ROD 036 XXX XXX	13,75	36/0,90	15,55	1,80
016 ROD 040 XXX XXX	13,75	40/1,00	15,75	2,00
016 ROD 044 XXX XXX	13,75	44/1,10	15,95	2,50
016 ROD 048 XXX XXX	13,75	48/1,20	16,15	3,00

MAX RECOMMENDED LATERAL LENGTH (M)

• Flat terrain (0% slope) • 10% Flow variation • Inlet pressure 1,0 bar

Nominal flow rate LPH (1 bar)	Dripper spacing cm									
	20	25	30	33	40	50	60	75	100	120
1,00	67	81	91	97	111	129	147	170	206	249
2,00	51	61	68	73	84	97	110	127	155	180
4,00	35	41	46	49	56	65	74	86	104	117

MAX RECOMMENDED LATERAL LENGTH (M)

• Flat terrain (0% slope) • 10% Flow variation • Inlet pressure 1,2 bar

Nominal flow rate LPH (1 bar)	Dripper spacing cm									
	20	25	30	33	40	50	60	75	100	120
1,00	70	84	95	101	116	135	153	176	214	259
2,00	53	63	71	76	87	101	116	134	163	190
4,00	36	42	48	51	59	68	78	90	110	123

MAX RECOMMENDED LATERAL LENGTH (M)

• Flat terrain (0% slope) • 10% Flow variation • Inlet pressure 1,5 bar

Nominal flow rate LPH (1 bar)	Dripper spacing cm									
	20	25	30	33	40	50	60	75	100	120
1,00	74	89	100	107	123	143	162	187	227	275
2,00	56	67	75	80	93	108	124	143	175	204
4,00	38	45	51	54	63	73	84	97	119	133

LOADING INFO

Product code	Wall thickness mil/mm	Dripper spacing cm	Coil size Diameter x Height mm	Coil length m	Average coil weight kg	Total in 40" HC Container (w/o pallets)		
						Number of coils	Length m	Average weight kg
016 ROD 032 XXX XXX	32/0,80	20-33	840 x 270	400	16,0	328	131200	5248,0
		40-120	840 x 270	400	15,0	328	131200	4920,0
016 ROD 036 XXX XXX	36/0,90	20-33	840 x 270	400	17,9	328	131200	5871,2
		40-120	840 x 270	400	16,9	328	131200	5543,2
016 ROD 040 XXX XXX	40/1,00	20-33	840 x 270	400	19,8	328	131200	6494,4
		40-120	840 x 270	400	18,8	328	131200	6166,4
016 ROD 044 XXX XXX	44/1,10	20-33	840 x 270	400	21,7	328	131200	7117,6
		40-120	840 x 270	400	20,7	328	131200	6789,6
016 ROD 048 XXX XXX	48/1,20	20-33	840 x 270	400	23,7	328	131200	7773,6
		40-120	840 x 270	400	22,7	328	131200	7445,6

