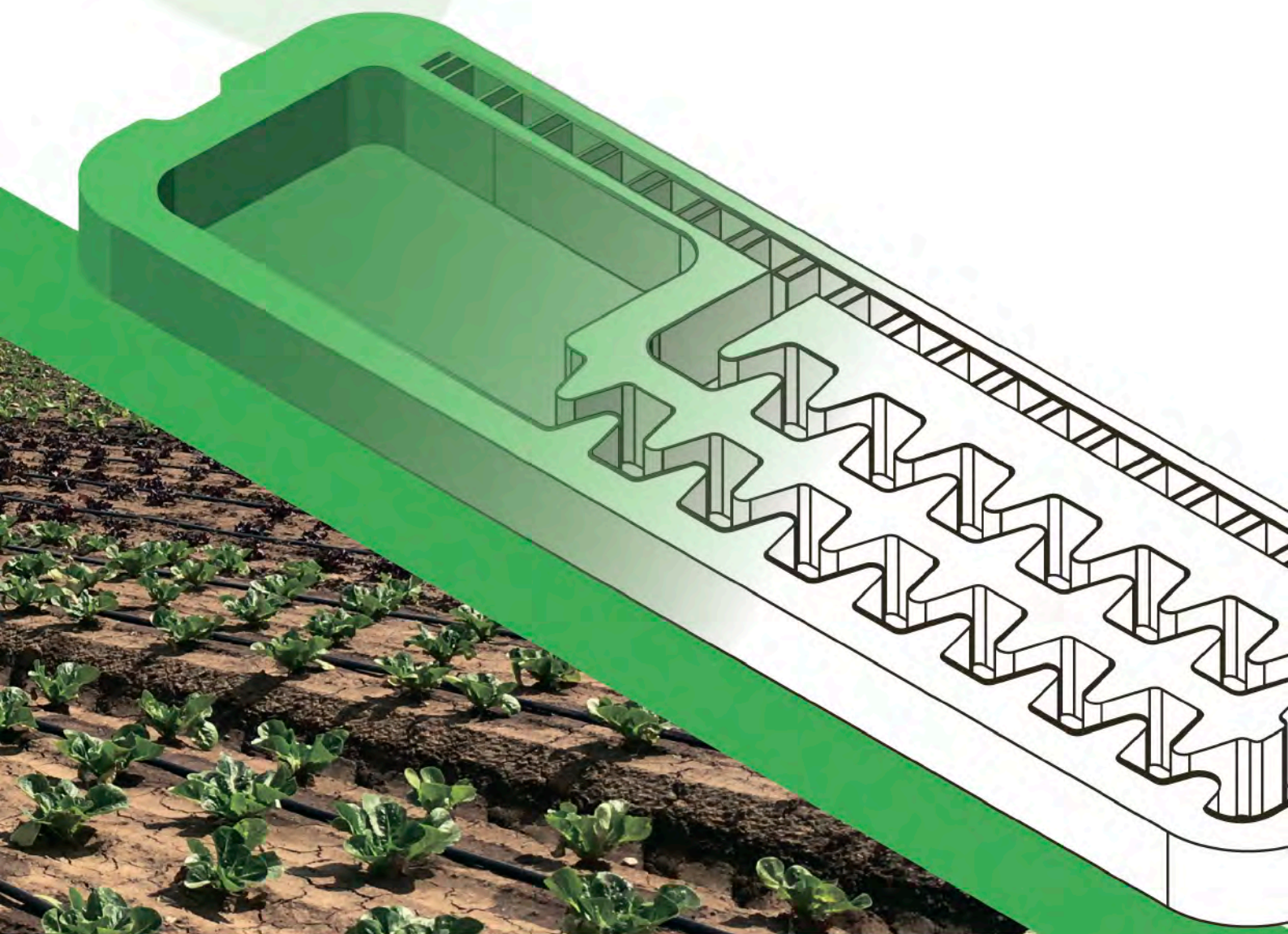




NEO-DRIP®

Drip irrigation system

We care about your yield all the year round

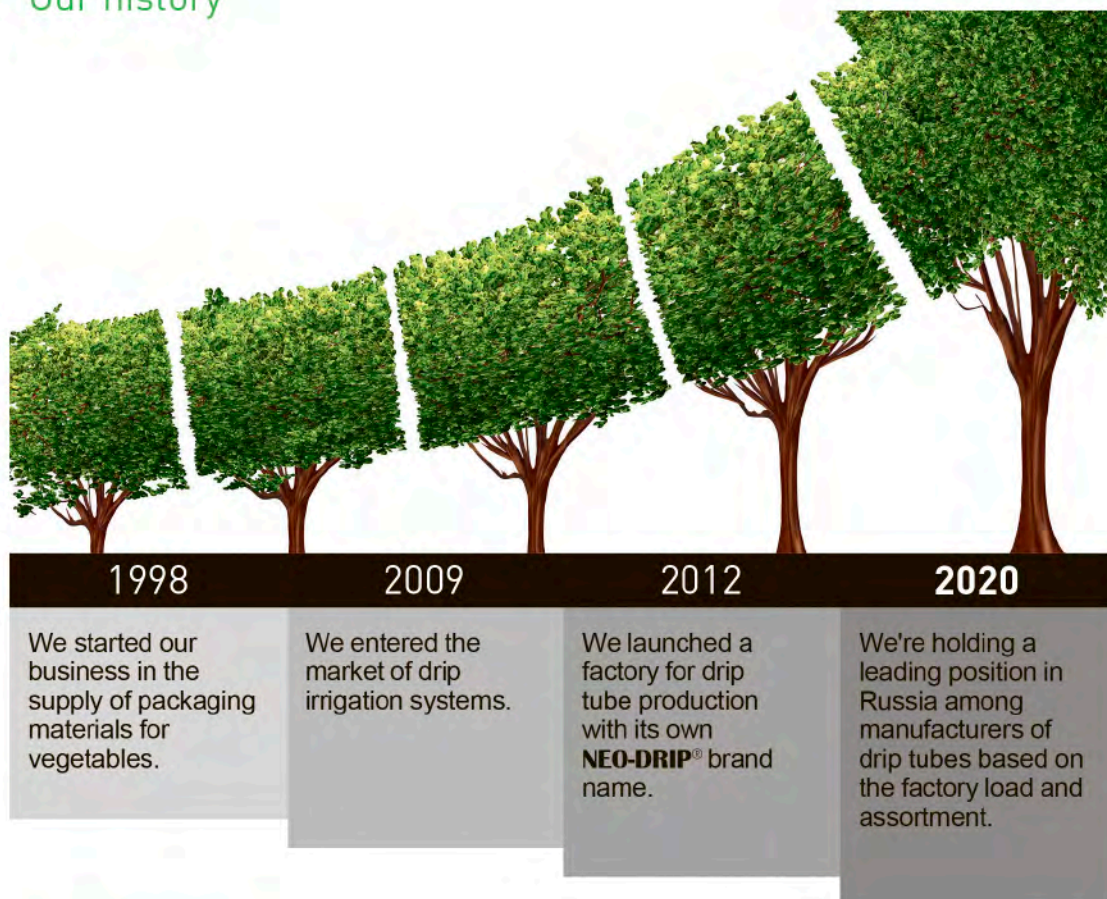


www.neoagri.ru

New Century Agrutechnology Co. Ltd.

ABOUT THE COMPANY

Our history



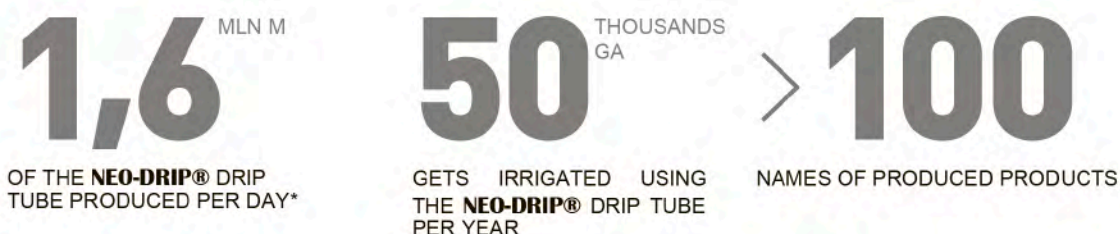
Our mission

We come up with and implement innovative technologies of smart irrigation which help to increase agricultural performance and agriculture quality.

Our values

For 20 years we've been striving to create value for our customers on a daily basis! We contribute to increasing the efficiency of agricultural companies by introducing production innovations and putting high demands on the quality control of our products.

Capacities



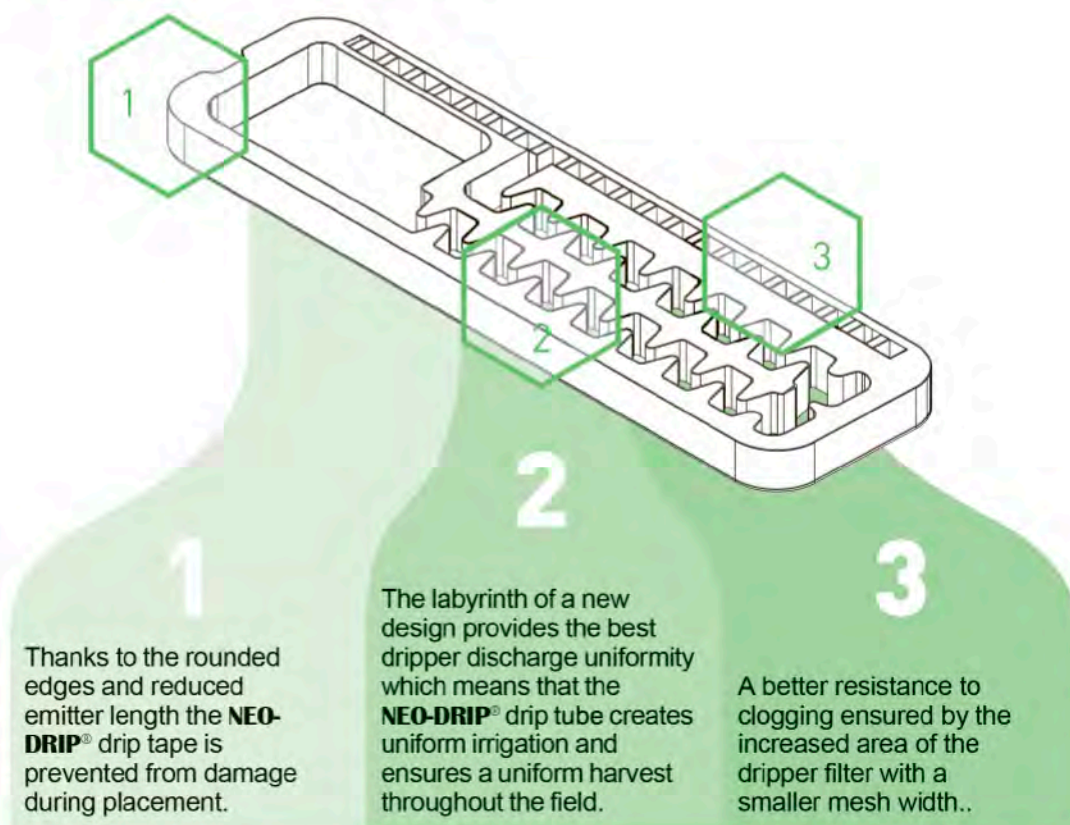
EMITTING DRIP TUBE

NEO-DRIP®

The key element of the drip irrigation system.

- ♦ Allows you to organize and set up standardized and accurate irrigation of crops.
- ♦ Made of virgin polyethylene which is a high-quality material that ensures strength and resistance to UV radiation.
- ♦ Equipped with built-in flat self-cleaning drippers that prevent the contaminant particle accumulation inside the labyrinth even if operating at low pressures.

New NEO-DRIP® emitter

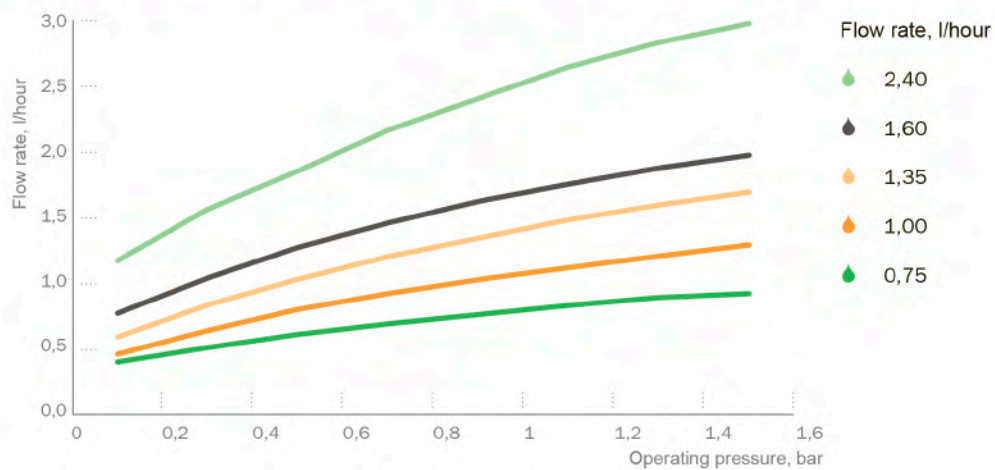


Characteristics of the drip tape NEO-DRIP®

Wall thickness, mils/mm	Inner diameter, mm	Dripper spacing, cm*	Operating pressure, bar	Flow rate l/hour	Coil length, m
6/0,15	16	10	0,8 – 1,2	1,35; 1,60	500, 1000, 2500
6/0,15	16	20, 25, 30	0,8 – 1,2	0,75; 1,00; 1,35; 1,60	500, 1000, 3000
8/0,20	16	20, 25, 30	0,8 – 1,2	0,75; 1,00; 1,35; 1,60; 2,40	500, 1000, 2050

*It's possible to manufacture products with a pitch of 35, 40, 50, and more cm. On order only, custom-designed.

Dependency graph of flow rate on pressure



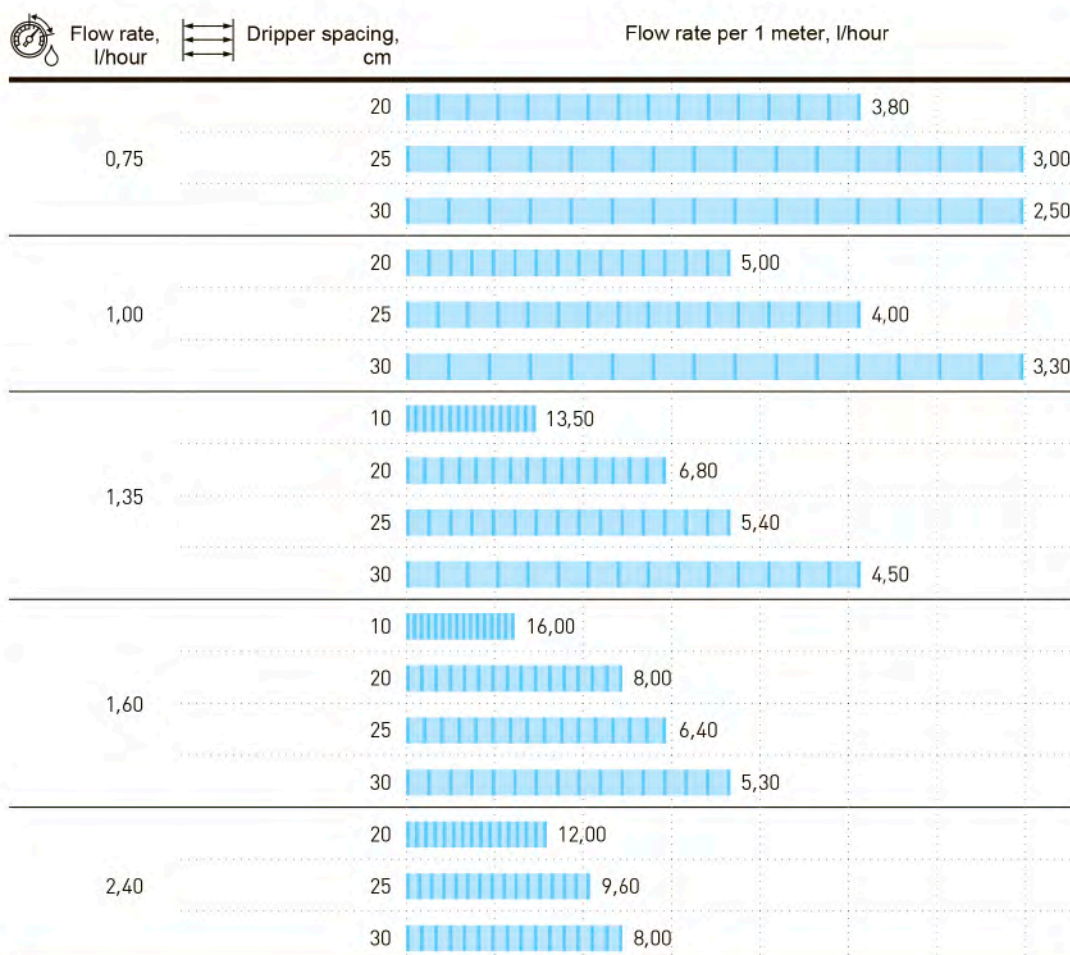
Flow rate, l/hour	Operating pressure, bar								
	0	0,2	0,4	0,6	0,8	1	1,2	1,4	1,5
0,75		0,40	0,51	0,61	0,69	0,76	0,83	0,89	0,92
1,00		0,46	0,66	0,80	0,92	1,02	1,06	1,15	1,29
1,35		0,59	0,88	1,02	1,24	1,34	1,48	1,61	1,69
1,60		0,77	1,06	1,32	1,47	1,62	1,75	1,89	1,97
2,40		1,17	1,56	1,85	2,16	2,40	2,64	2,88	2,97



The maximum length of the drip lines driver (m) at an inlet pressure of 1.0 bar

Flow rate, l/hour	Dripper spacing, cm	90%	Material length, m	80%
0,75	20	138		172
	25	159		198
	30	179		223
	40	206		259
	50	237		298
1,00	20	103		132
	25	118		153
	30	132		171
	40	159		207
	50	183		238
1,35	20	92		114
	25	106		131
	30	119		148
	40	143		177
	50	165		204
1,60	20	81		102
	25	93		117
	30	105		132
	40	126		159
	50	146		183
2,40	20	63		80
	25	73		91
	30	103		103
	40	98		124
	50	113		142





Reference designation

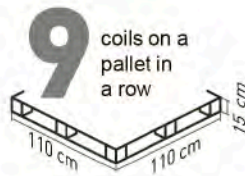
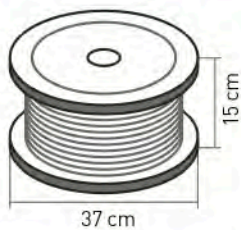
Emitting drip tube **NEO-DRIP®**

P160820135-2050

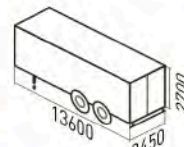
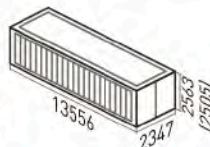
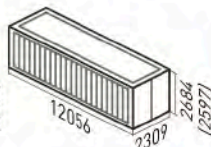
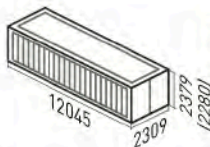
Tube type (P - emitting)
 Inner diameter, mm (16 mm)
 Wall thickness, mils (8 mils)
 Dropper spacing, cm (20 cm)
 Dropper flow rate, l/hour (1,35 l/hour)
 Coil winding, m (2050 m)



Drip tube 8mils (0,20 mm), 500 meters winding

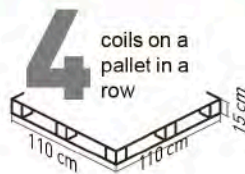
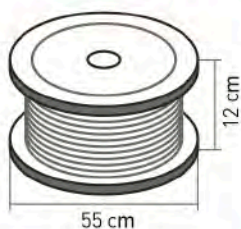


Dripper spacing, cm	Coil weight, kg
20	5,0
25	4,9
30	4,9



20'			40'			40' High Cube			45'			20 tons truck		
Number of coils on a pallet	Number of pallets	Number of coils in the container	Number of coils on a pallet	Number of pallets	Number of coils in the container	Number of coils on a pallet	Number of pallets	Number of coils in the container	Number of coils on a pallet	Number of pallets	Number of coils in the container	Number of coils on a pallet	Number of pallets	Number of coils in the truck
126	10	1260	126	20	2520	144	20	2880	135	24	3240	144	24	3456

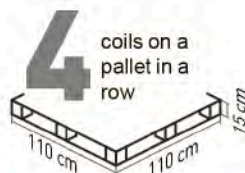
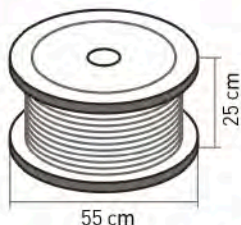
Drip tube 8mils (0,20 mm), 1000 meters winding



Dripper spacing, cm	Coil weight, kg
20	11,0
25	10,5
30	10,0

20'			40'			40' High Cube			45'			20 tons truck		
Number of coils on a pallet	Number of pallets	Number of coils in the container	Number of coils on a pallet	Number of pallets	Number of coils in the container	Number of coils on a pallet	Number of pallets	Number of coils in the container	Number of coils on a pallet	Number of pallets	Number of coils in the container	Number of coils on a pallet	Number of pallets	Number of coils in the truck
68	10	680	26	20	1360	80	20	1600	76	24	1824	80 ^{max}	22	1770*
												80 ^{max}	23	1850*
												80	24	1920

Drip tube 8mils (0,20 mm), 2050 meters winding

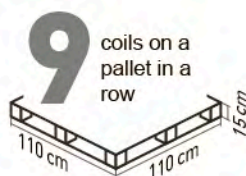
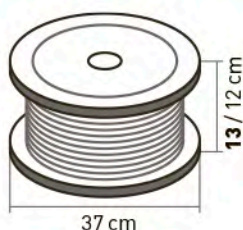


Dripper spacing, cm	Coil weight, kg
20	20,5
25	20,5
30	20,0

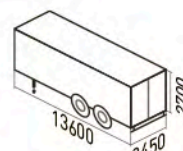
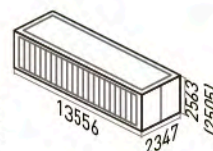
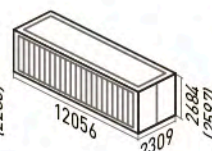
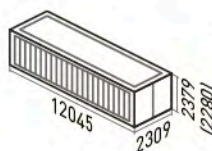
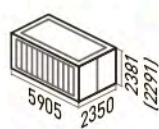
20'			40'			40' High Cube			45'			20 tons truck		
Number of coils on a pallet	Number of pallets	Number of coils in the container	Number of coils on a pallet	Number of pallets	Number of coils in the container	Number of coils on a pallet	Number of pallets	Number of coils in the container	Number of coils on a pallet	Number of pallets	Number of coils in the container	Number of coils on a pallet	Number of pallets	Number of coils in the truck
32	10	320	32	20	640	36	20	720	36	24	864	40 ^{max}	20	880*

*Based on vehicle capacity

Drip tube 6mils (0,15 mm), 500 meters winding

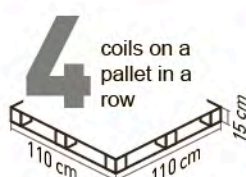
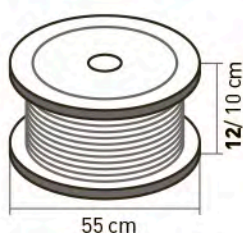


Dripper spacing, cm	Coil weight, kg
10	4,7
20	3,9
25	3,9
30	3,8



20'			40'			40' High Cube			45'			20 tons truck		
Number of coils on a pallet	Number of pallets	Number of coils in the container	Number of coils on a pallet	Number of pallets	Number of coils in the container	Number of coils on a pallet	Number of pallets	Number of coils in the container	Number of coils on a pallet	Number of pallets	Number of coils in the container	Number of coils on a pallet	Number of pallets	Number of coils in the truck
144	10	1440	144	20	2880	162	20	3240	162	24	3888	171	24	4104
153	10	1530	153	20	3060	180	20	3600	171	24	4104	180	24	4320

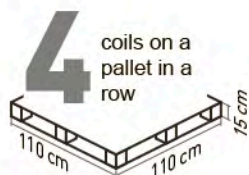
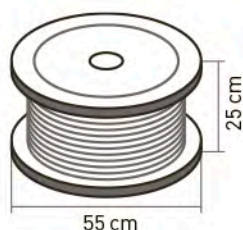
Drip tube 6mils (0,15 mm), 1000 meters winding



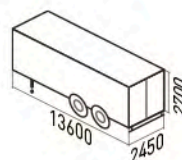
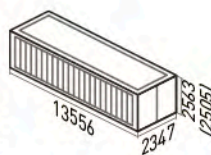
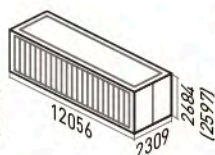
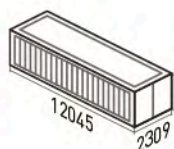
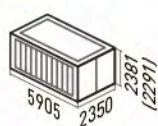
Dripper spacing, cm	Coil weight, kg
10	9,0
20	8,0
25	8,0
30	8,0

20'			40'			40' High Cube			45'			20 tons truck		
Number of coils on a pallet	Number of pallets	Number of coils in the container	Number of coils on a pallet	Number of pallets	Number of coils in the container	Number of coils on a pallet	Number of pallets	Number of coils in the container	Number of coils on a pallet	Number of pallets	Number of coils in the container	Number of coils on a pallet	Number of pallets	Number of coils in the truck
68	10	680	68	20	1360	80	20	1600	76	24	1824	80	24	1920
84	10	840	84	20	1680	96	20	1920	92	24	2208	100	24	2400

Drip tube 6mils (0,15 mm), 2500 meters winding

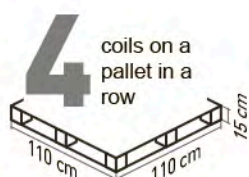
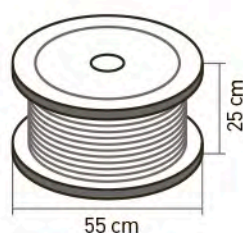


Dripper spacing, cm	Coil weight, kg
10	22,0



20'			40'			40' High Cube			45'			20 tons truck		
Number of coils on a pallet	Number of pallets	Number of coils in the container	Number of coils on a pallet	Number of pallets	Number of coils in the container	Number of coils on a pallet	Number of pallets	Number of coils in the container	Number of coils on a pallet	Number of pallets	Number of coils in the container	Number of coils on a pallet	Number of pallets	Number of coils in the truck
32	10	320	32	20	640	36	20	720	36	24	864	40 ^{max}	22	880*

Drip tube 6mils (0,15 mm), 3000 meters winding



Dripper spacing, cm	Coil weight, kg
20	23,5
25	23,5
30	23,0

20'			40'			40' High Cube			45'			20 tons truck		
Number of coils on a pallet	Number of pallets	Number of coils in the container	Number of coils on a pallet	Number of pallets	Number of coils in the container	Number of coils on a pallet	Number of pallets	Number of coils in the container	Number of coils on a pallet	Number of pallets	Number of coils in the container	Number of coils on a pallet	Number of pallets	Number of coils in the truck
32	10	320	32	20	640	36	20	720	36	24	864	32-36	22-25	800*
												32-36	22-25	820*
												32-36	22-25	840*

*Based on vehicle capacity

DRIP TUBE OPERATION

Guidelines for the selection and operation of the **NEO-DRIP®** drip tube

Filtration equipment requirements

- ✓ All models of the **NEO-DRIP** drip tube share the same requirements for the degree of filtration equipment which is 130 microns (120mesh). Smaller particles easily pass through the filter and the dripper labyrinth and do not injure the system operability.
- ✓ The presence of suspended particulate matters in irrigation water should not exceed 50 mg/dm³ after filtration

Reasons for blockage in drip tube elements

The reasons for clogging and blockage in dripper elements can be low-quality filtration equipment as well as many other factors.

Untimely rinsing of drip lines.

During the operation of the system, it is necessary to regularly (at least once every 2 weeks) open the ends of the drip lines and flushing.

Not cleaned pipeline system.

Oftentimes the entire drip irrigation system is not rinsed before dismantling the system. As a result of that, particles of dirt and algae remain inside the pipelines.

Neglecting the fine cleaning of the filtration system.

If using surface water for irrigation it is necessary to use multi-stage filtration because of the large number of particulate matters and organic remains in irrigation water.

How to prevent a malfunction

- ✓ Use filtration equipment with a degree of filtration in accordance with the recommendations of the drip tube manufacturer.
- ✓ You should never neglect the fine cleaning of a multi-stage filtration system, even if you have to wash and rinse the filter elements often.
- ✓ Regularly open the ends of the drip lines in order to flush the drip tube.
- ✓ Rinse all elements of the drip irrigation system before dismantling the system at the end of the season or during installation at the beginning of the season, but before connecting the drip lines to the distribution pipeline.

How to identify a fault

- 1** It is necessary to inspect the filtration equipment, the state of gravel in the filtration station, the state and degree of contamination of the fine mesh filter.
- 2** Find out how often irrigation is done and how often the elements of the filtration system are rinsed, whether the entire system and pipelines are rinsed before dismantling at the end of the season.
- 3** After that, open the ends of the drip lines, check the water coming out from the ends of the drip lines.
- 4** Cut off part of the drip tube in the middle and at the beginning of the drip line, inspect the inner walls for contamination.
- 5** Inspect the dripper elements (labyrinth, water outlet basin) for contamination.
- 6** Open the plug of the distribution pipeline, inspect the internal walls of the pipeline for contamination.

WE'RE ALWAYS AROUND!

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