

**CYLINDRICAL  
DRIPLINES**

**SOAPLAST**  
ITALIAN DRIPLINES MANUFACTURER

Soaplast offers a **complete range of driplines** for every type of crop, topographical conditions, soil quality and water.

The **drip irrigation system** allows significant savings of water and economic, the efficient use of water, where necessary, guarantees nourishment to the plants avoiding unnecessary waste.

Since the **80s**, Soaplast has invested in the research of irrigation solutions for agriculture using high quality raw materials and advanced machinery in the production of driplines.

The constant quality of the production process is guaranteed by the **ISO 9001** standard.

The Soaplast International Logistics benefits great simplifications thanks to the **AEO** Authorization released by the European Agency of Customs and Monopolies, after strict controls.

Soaplast goods sold to Countries which have signed a Free Trade Agreement with the EU pay less customs duties, so-called preferential customs tariffs, because Soaplast is an **Exporter Authorized** by the European Customs Authorities.

The Company also holds **International Patents**.

Today Soaplast is pleased to offer its customers completely "**Made in Italy**" products, technologically advanced, reliable and appreciated all over the **world**.



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**MINI** CYL. DRIPLINE TB    **DUAL** CYL. DRIPLINE TB    **UNIFLOW** CYL. DRIPLINE PC



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**Multi-Season  
Irrigation**

**MINI**  
CYL. DRIPLINE TB

**DUAL**  
CYL. DRIPLINE TB

**UNIFLOW**  
CYL. DRIPLINE PC

## PRODUCT DESCRIPTION:

The integral Cylindrical polyethylene-made driplines, manufactured by Soapplast within its own factory in Italy, represent the traditional, reliable and resistant solution in the field of drip irrigation.

This is a standard dripline with cylindrical dripper, welded to the pipe wall during extrusion, equipped with a self-cleaning turbulent flow labyrinth with incorporated inlet filter. Soapplast cylindrical driplines are made with **four water supply points**, two on each side of the dripper. These holes are positioned at 180 degrees from each other to ensure better water distribution, especially in sandy soils.

The cylindrical driplines have a wide range of applications, in fact they can be used both for crops in the open field and for crops in the protected field. Moreover, thanks to their durability, they are ideal for the irrigation of tree crops with a multi-season irrigation cycle such as: **orchards, olive groves, vineyards, hedges, flowerbeds, gardens**, etc.

Soapplast cylindrical driplines are available in both constant and alternating pitch emitting distances. The wide range of spacing, flow rates and thicknesses allows a high flexibility of this product thus adapting it to the many needs that the cultivation activity requires.

Soapplast cylindrical driplines are available in the following versions:

### DUAL®

Standard series with long dripper with variable flow for flat or slightly sloping soils, and four dispensing holes;

### MINI®

A more economical series with a short and compact dripper that allows reduced load losses, four dispensing holes. Thickness sizes: 35mil and 44mil.

### UNIFLOW®

Dripper series with pressure-compensating membrane: Uniflow® is an ideal solution in case of steep soils or long expanses. The drip pressure-compensation system keeps the flow rate constant at varying working pressure. This type of dripline is characterized by two delivery holes.

The Soapplast cylindrical driplines are also available in a brown colored version on customer request.

## ADVICE ON USE

Soapplast always recommends to use of a good water filtration system designed and installed by skilled personnel.

Model	Diameters mm	Thickness mil	Nominal flow rates available 1 bar	Work Pressure bar	Filtration recommended	
					[Mesh]	[Micron]
Dual	16	44	2,2/4,2/8,6	0,5 - 3,0	120	130
	20	44	2,2/4,2/8,6	0,5 - 3,0		
Mini	16	35	1,6/2,2/4,2	0,5 - 2,0		
	16	44	1,2/2,2/4,2	0,5 - 3,0		
Uniflow	16	44	1,6/2,2/4,2	0,5 - 3,0		
	20	44	1,6/2,2/4,2	0,5 - 3,0		

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## ADVANTAGES

Reliable operation and long-lasting durability;

*Better homogeneity of the irrigated surface thanks to the four emission holes positioned in a mirrored position;*

Availability at constant and alternating pitch emitters;

*Less risk of occlusion thanks to the turbulent flow (self-cleaning) which avoids the formation of sedimentation inside the labyrinth also in the case of "difficult waters";*

Excellent emission uniformity for the entire length of the dripline;

*Reduced percolation on the dripline;*

Low pressure sensitivity;

*Low technological variation coefficient;*

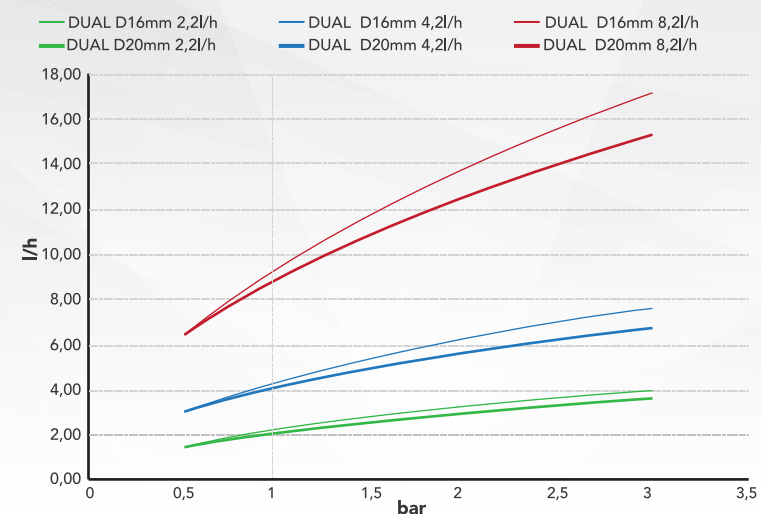
High resistance to the UV rays, thermal and mechanical stresses, attack of micro-organisms and molds, acids or alkaline solutions normally used in agriculture;

*Complete emptying at the end of the irrigation cycle with lower risk of bioocclusion;*

Installation is easier and quicker thanks to the specular position of the outlet holes;

*Less maintenance required.*

## PRESSURE CURVE | RECOMMENDED DISTANCES

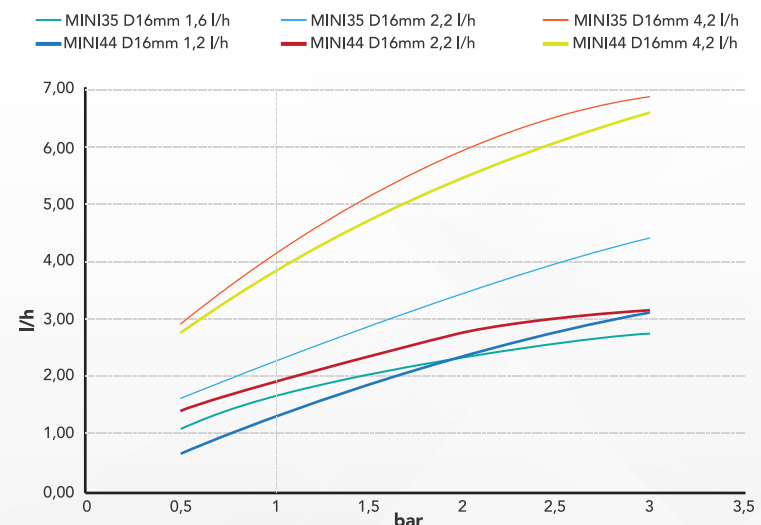


### DUAL

EU=90%, P=1.2 bar, 0% slope

D mm	Q l/h*	SPACING													
		15	20	25	30	33	40	50	60	70	80	100	120	150	
16	2,2	50	60	70	79	84	95	110	125	138	151	175	198	230	
16	4,2	33	40	47	53	56	64	74	84	93	102	118	133	154	
16	8,2	20	24	28	32	34	38	44	50	55	61	70	79	92	
20	2,2	80	97	112	127	135	154	178	201	223	244	283	319	370	
20	4,2	53	64	74	84	89	101	118	133	147	161	187	211	245	
20	8,2	31	38	44	50	53	60	70	79	87	95	111	125	145	

\*nominal flow rate

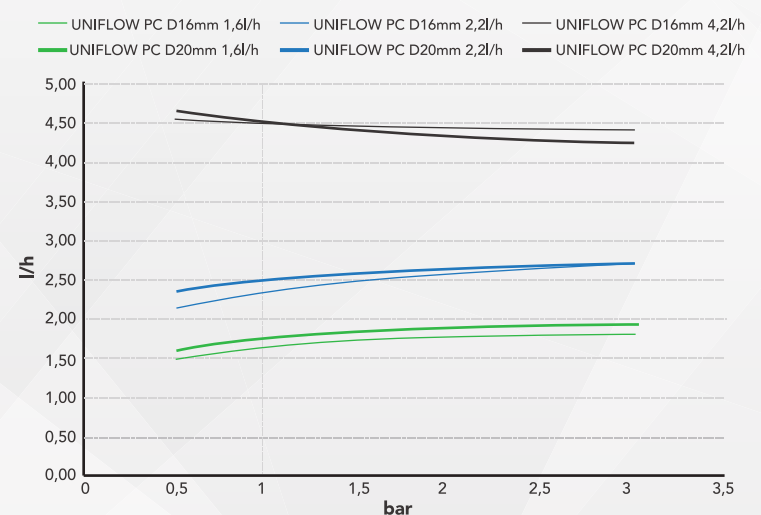


### MINI 35/44

EU=90%, P=1.2 bar, 0% slope

D mm	Q l/h*	SPACING													
		15	20	25	30	33	40	50	60	70	80	100	120	150	
16/35	1,6	62	75	87	98	104	119	137	155	172	188	218	246	285	
16/35	2,2	46	56	65	73	78	89	103	117	129	141	164	185	215	
16/35	4,2	33	40	47	53	56	64	74	84	93	101	118	133	154	
16/44	2,2	49	60	69	78	83	95	110	124	138	151	175	197	229	
16/44	4,2	35	43	50	56	60	68	79	89	99	108	126	142	165	

\*nominal flow rate



### UNIFLOW

EU=90%, P=3 bar, 0% slope

D mm	Q l/h*	SPACING								
		15	20	25	30	33	40	50	60	100
16	2,2	89	108	127	144	155	178	209	238	345
16	4,2	54	65	76	87	94	107	126	143	208
20	2,2	121	148	173	197	212	244	285	325	472
20	4,2	75	91	106	121	130	149	175	200	289

\*nominal flow rate



Colors Labels

<span style="color: yellow;">■</span> Dual	<span style="color: lightblue;">■</span> Mini 35 mil	<span style="color: darkblue;">■</span> Mini 44mil	<span style="color: red;">■</span> Uniflow
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## PACKAGING

Ø mm	REELS					Quantity per pallet Pallet 113x113 (cm)		Pallet/ Container 20ft mt	Pallet/ Container 40ftHC mt	N°. reels/ Container 20ft mt	N°. reels/ Container 40ftHC mt
	Lenght mt	Ø est cm	Ø int cm	Width cm	Volume mc	Reels	h (m)				
16	25	50	38	10	0,025	100	2,2	10	20	-	-
	50	56	38	10	0,031	88	2,2				
	100	56	38	20	0,063	48	2,2				
	200	73	38	20	0,107	28	2,2				
	400	78	38	32	0,205	10	2,2				
20	300	78	38	32	0,220	10	2,2	10	20	135	300