

ΣΩΛΗΝΕΣ ΠΟΛΥΑΙΘΥΛΕΝΙΟΥ

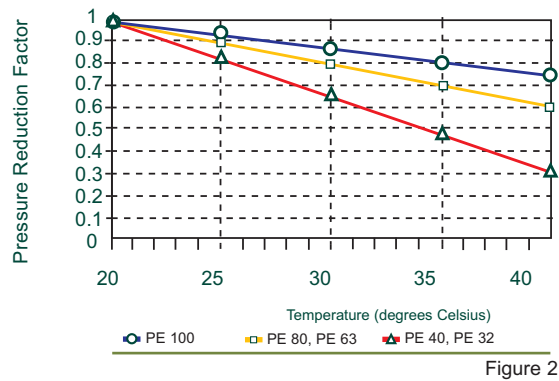
Polyethylene Pipes

Description: Polyethylene pipes for low- and high- pressure water supply, conveyance of other suitable fluids and irrigation systems.

Range : Metric series from Ø16 up to Ø250 mm, Imperial series from Ø1/2" up to Ø1"

Pressure Rating: Pipes are available with pressure rating from 1 up to 25 bar at 20°C. Maximum working pressure is related to the SDR (diameter/thickness ratio), the safety coefficient C and the MRS of the pipe material.

The pressure rating has to be adjusted as shown in the figure below, if the pipes are to be used at higher temperatures.



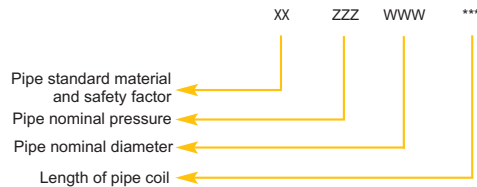
Methods of joining: Pipes in the range Ø16 – Ø110 mm can be joined using Elysee polypropylene compression fittings. Larger diameter pipes can be joined either by butt fusion welding or with electrofusion type fittings.

Lengths available: Straight lengths of 6 and 12 m or coils of 31,50, 61, 75, 100 and 200 m.

Materials: Low (PE32 & PE40), Medium and High (PE80 & PE100) Density Polyethylene. PE pipes are approved for use in potable water supply systems. Black PE pipes are suitable for exposure to sun light (UV) and give excellent chemical resistance.

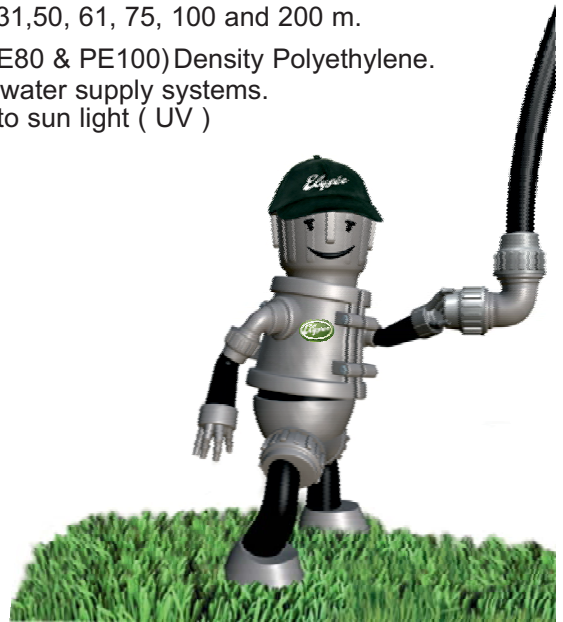
Please refer to technical catalogue for specific data sheets.

Code for PE Pipes: The code for PE pipes reads as follows:



Example:

Order code 33 125 075 100 stands for: 100m coil of high-density (PE 80) polyethylene pipe 75mm nominal diameter and 12,5 bar nominal pressure, which is manufactured according to EN 12201 standard, using safety factor 1,25.



PE DRIPLINE
ΣΤΑΛΑΚΤΗΦΟΡΟΣ ΣΩΛΗΝΑΣ



ΣΤΑΛΑΚΤΗΦΟΡΟΣ ΣΩΛΗΝΑΣ ΝΑΑΝ



No.530

INTEGRATED DRIPLINE

Code	Description (mm - l/h -Sp*)	Max. lateral length (m)	Coils (m)
53001640020	16/4/20		400
53001640025	16/4/25		400
53001640033	16/4/33	43	400
53001640045	16/4/45	55	400
53001640060	16/4/60	71	400
53001640075	16/4/75	75	400
53001640100	16/4/100	86	400
53002040020	20/4/20	41	300
53002040025	20/4/25	51	300
53002040033	20/4/33	68	300
53002040045	20/4/45	90	300
53002040060	20/4/60	105	300
53002040075	20/4/75	118	300
53002040100	20/4/100	145	300

ΣΤΑΛΑΚΤΗΦΟΡΟΣ ΣΩΛΗΝΑΣ
ΑΥΤΟΥΡΘΟΜΙΖΟΜΕΝΟΣ



No.531

PRESSURE COMPENSATED DRIPLINE

Code	Description (mm - l/h -Sp*)	Max. lateral length (m)	Coils (m)
53101638033	16/3,8/33	60	400
53101638045	16/3,8/45	100	400
53101638060	16/3,8/60	120	400
53101638075	16/3,8/75	140	400
53101638100	16/3,8/100	180	400
53102038033	20/3,8/33	120	300
53102038045	20/3,8/45	140	300
53102038060	20/3,8/60	200	300
53102038075	20/3,8/75	240	300
53102038100	20/3,8/100	300	300

ΣΤΑΛΑΚΤΗΦΟΡΟΣ ΣΩΛΗΝΑΣ
ΕΛΛΗΝΙΚΟΣ



No.539

INTEGRATED DRIPLINE

Code	Description (mm - l/h -Sp*)	Max. lateral length (m)	Coils (m)
53901640020	16/4/20	-	400
53901640025	16/4/25	-	400
53901640033	16/4/33	43	400
53901640045	16/4/45	55	400
53901640060	16/4/60	71	400
53901640075	16/4/75	75	400
53901640100	16/4/100	86	400
53902040020	20/4/20	41	300
53902040025	20/4/25	51	300
53902040033	20/4/33	65	300
53902040040	20/4/40	77	300
53902040045	20/4/45	83	300
53902040060	20/4/60	105	300
53902040075	20/4/75	118	300
53902040100	20/4/100	145	300

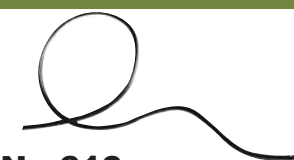
ΣΤΑΛΑΚΤΗΦΟΡΟΣ ELYSEE



No.910

ELYSEE DRIP

Code	Description	Nominal Diameter (mm)	Min Wall thickness (mm)	Coils (m)
582010020***SSS	PE PIPE with on-line drippers 10l/h	20	1.4	200



No.610

SOFT PVC

Nominal Diameter (mm)	Code	Weight (kg/m)
5.4X3.2	6105432***	0.015
6X4	6106040***	0.019
6,5X4	6106540***	0.029
7X4	6107040***	0.030
9X6	6109060***	0.053



POLYETHYLENE PIPES
ΛΑΣΤΙΧΑ ΠΟΛΥΑΙΘΥΛΕΝΙΟΥ

PN4 (SDR:13.6)			
Nominal Diameter	Code	Min Wall Thickness	Weight
(mm)		(mm)	(kg/m)
16	12040016***	1.5	0.077
20	12040020***	1.6	0.099
25	12040025***	1.9	0.139
32	12040032***	2.4	0.225
40	12040040***	3.0	0.345



CYS 106

PN6 (SDR:21)			
Nominal Diameter	Code	Min Wall Thickness	Weight
(mm)		(mm)	(kg/m)
50	33060050***	2.9	0.374
63	33060063***	3.6	0.58
75	33060075***	4.3	0.828
90	33060090***	5.1	1.18
110	33060110***	6.3	1.77



CYS EN 12201

PN9 (SDR:8)				
Nominal Diameter	Code	Min Outside Diameter	Min Wall Thickness	Weight
(in)		(mm)	(mm)	(kg/m)
1/2	19090001***	21.2	2.7	0.153
3/4	19090002***	26.2	3.4	0.235
1	19090003***	32.8	4.2	0.361



BS 1972

PN12.5 (SDR:11)			
Nominal Diameter	Code	Min Wall Thickness	Weight
(mm)		(mm)	(kg/m)
20	33125020***	2.0	0.126
25	33125025***	2.3	0.161
32	33125032***	3.0	0.269



CYS EN 12201

Pn10 (SDR:17)			
Nominal Diameter	Code	Min Wall Thickness	Weight
(mm)		(mm)	(kg/m)
32	41100032001	2.0	0.193
40	41100040001	2.4	0.293
50	41100050001	3.0	0.451
63	41100063001	3.8	0.719
75	41100075001	4.5	1.01
90	41100090001	5.4	1.46
110	41100110001	6.6	2.17



CYS EN 12201

PN12.5 (SDR:13.6)			
Nominal Diameter	Code	Min Wall Thickness	Weight
(mm)		(mm)	(kg/m)
40	41125040***	3.0	0.36
50	41125050***	3.7	0.548
63	41125063***	4.7	0.873
75	41125075***	5.6	1.24
90	41125090***	6.7	1.77
110	41125110***	8.1	2.62



CYS EN 12201

PN 16 (SDR:11)			
Nominal Diameter	Code	Min Wall Thickness	Weight
(mm)		(mm)	(kg/m)
20	41160020***	2.0	0.116
25	41160025***	2.3	0.169
32	41160032***	3.0	0.277
40	41160040***	3.7	0.429
50	41160050***	4.6	0.665
63	41160063***	5.8	1.05
75	41160075***	6.8	1.47
90	41160090***	8.2	2.13
110	41160110***	10.0	3.16



CYS EN 12201

CYS EN 12201

Material	Safety Factor	PRESSURE RATING			PRESSURE RATING			PRESSURE RATING			PRESSURE RATING			Temperature in °C	Years of Service					
		CODE	PN	CODE	PN	CODE	PN	CODE	PN	CODE	PN	CODE	PN							
PE80	1.25	33050-***	5.0	33060-***	6.0	33080-***	8.0	33100-***	10.0	33125-***	12.5	33160-***	16.0	33200-***	20.0	33250-***	25.0	20	50	
PE80	1.6	34040-***	4.0	34050-***	5.0	34060-***	6.0	34080-***	8.0	34100-***	10.0	34125-***	12.5	34160-***	16.0	34200-***	20.0	20	50	
*PE100	1.25	41060-***	6.0	41080-***	8.0	41100-***	10.0	41125-***	12.5	41160-***	16.0	41200-***	20.0	41250-***	25.0			20	50	
*PE100	1.6	42050-***	5.0	42060-***	6.0	42080-***	8.0	42100-***	10.0	42125-***	12.5	42160-***	16.0	42200-***	20.0	42250-***	25.0	20	50	
Nominal Diameter (mm)	S	Weight (kg/m) (€)	S	Weight (kg/m) (€)	S	Weight (kg/m) (€)	S	Weight (kg/m) (€)	S	Weight (kg/m) (€)	S	Weight (kg/m) (€)	S	Weight (kg/m) (€)	S	Weight (kg/m) (€)	Nominal Diameter (mm)			
16																	16			
20										2.0	0.116	-	2.3	0.132	-	3.0	0.162	20		
25							2.0	0.148	-	2.3	0.169	-	3.0	0.21	-	3.4	0.237	25		
32					2.0	0.193	-	2.4	0.23	-	3.0	0.277	-	3.6	0.326	-	4.4	0.386	32	
40					2.0	0.245	-	3.0	0.36	-	3.7	0.429	-	4.5	0.509	-	5.5	0.601	40	
50	2.0	0.31	-	2.4	0.371	-	3.0	0.451	-	3.7	0.548	-	4.6	0.665	-	5.6	0.789	50		
63	2.5	0.49	-	3.0	0.576	-	3.8	0.719	-	4.7	0.873	-	5.8	1.05	-	7.1	1.26	63		
75	2.9	0.671	-	3.6	0.825	-	4.5	1.01	-	5.6	1.24	-	6.8	1.47	-	8.4	1.77	75		
90	3.5	0.974	-	4.3	1.18	-	5.4	1.46	-	6.7	1.77	-	8.2	2.13	-	10.1	2.55	90		
110	4.2	1.43	-	5.3	1.77	-	6.6	2.17	-	8.1	2.62	-	10.0	3.16	-	12.3	3.8	110		
125	4.8	1.84	-	6.0	2.27	-	7.4	2.77	-	9.2	3.38	-	11.4	4.1	-	14.0	4.91	125		
140	5.4	2.32	-	6.7	2.84	-	8.3	3.48	-	10.3	4.24	-	12.7	5.11	-	15.7	6.15	140		
160	6.2	3.05	-	7.7	3.73	-	9.5	4.54	-	11.8	5.53	-	14.6	6.7	-	17.9	8.02	160		
180	6.9	3.79	-	8.6	4.68	-	10.7	5.74	-	13.3	7.02	-	16.4	8.49	-	20.1	10.1	180		
200	7.7	4.71	-	9.6	5.8	-	11.9	7.08	-	14.7	8.62	-	18.2	10.5	-	22.4	12.5	200		
225	8.6	5.92	-	10.3	6.97	-	13.4	8.99	-	16.6	10.9	-	20.5	13.2	-	25.2	15.9	225		
250	9.6	7.34	-	11.4	8.57	-	14.8	11.00	-	18.4	13.5	-	22.7	16.3	-			250		
SDR	26		21		17		13.6		11		9		7.4		6		SDR			

TABLE OF FRICTION LOSSES FOR PE & PVC PIPES ACCORDING TO THE HAZEN - WILLIAMS EQUATION
ΠΙΝΑΚΑΣ ΥΠΟΛΟΓΙΣΜΟΥ ΑΠΩΛΕΙΩΝ ΤΡΙΒΗΣ ΣΥΜΦΩΝΑ ΜΕ ΤΗΝ ΕΞΙΣΩΣΗ ΤΟΥ HAZEN - WILLIAMS

MATERIAL		POLYETHYLENE										PVC PIPES				
INTERNAL DIAM.	EXTERNAL DIAM.	12	16	20	25	32	40	35	45	54.8	65.4	79.7	71.6	84	117.5	15.5
FLOW m ³ /h		16	20	25	32	40	50	63	75	90	110	125	160			
HEAD LOSS % IN METERS OF WATER (0.1 BAR)/100m																
0.40	11.00															
0.50	16.00															
0.80	35.00			1.30												
1.00	52.00			3.00	1.40											
1.40	27.00			8.00	2.50											
2.00	50.00			16.00	4.80											
2.40	-			21.00	6.40											
3.00	-			32.00	9.40											
4.00	-			52.00	15.50											
5.00	-			-	24.00											
6.00	-			-	32.00											
7.00	-			-	42.00											
8.00	-			-	52.00											
10.00	-			-	-											
15.00	-			-	-											
20.00	-			-	-											
25.00	-			-	-											
30.00	-			-	-											
36.00	-			-	-											
40.00	-			-	-											
45.00	-			-	-											
50.00	-			-	-											
55.00	-			-	-											
60.00	-			-	-											
70.00	-			-	-											
80.00	-			-	-											
90.00	-			-	-											
100.00	-			-	-											



Η επαγγελματική
επιλογή στα
συστήματα
σωληνώσεων!



Πλαστικές Σωλήνες
και Εξαρτήματα



Πλαστικές Σωλήνες
και Εξαρτήματα