CLIMA FIBER EvO PIPE

TORO 25 CLIMA FIBER EvO system consists of three-layer pipes made of a special blend of PP-R EvO, Random Copolymer Plypropylene with special and improved crystalline structure, reinforced with glass fiber, used for the adduction of pressure fluids.
This particular blend is called Fiber Evo: Fiber → glass fiber; EvO → PP-R EvO (PP-R EvO = PP-CT).
TORO 25 CLIMA FIBER EvO pipes are produced with four coextruded blue lines that facilitate their identification in air conditioning and refrigeration installations. It represents a variant of the TORO 25 FIBER EvO system.
TORO 25 CLIMA FIBER EvO system has an excellent weight-performance ratio because the reduced wall thickness provides higher volumetric flow values. The reduced linear expansion coefficient is 0,04 mm/m.
TORO 25 CLIMA FIBER EVO pipes are perfectly compatible with all TORO 25 accessories.
The range includes PN10, PN16 and PN20 pipes with SDR7,4, SDR11 and SDR17.

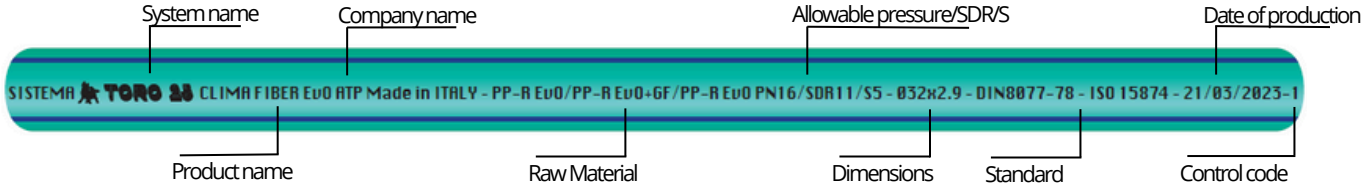
APPLICATION FIELDS

- drinking water and hygienic requirements
- heating-cooling networks
- chilled water and air conditioning (HVAC)
- shipbuilding installation
- industrial equipment and installation
- rainwater application

ADVANTAGES

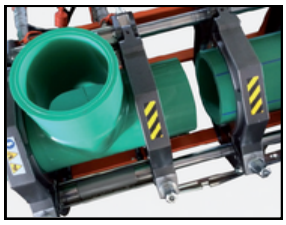
- non-toxic materials
- easy installation
- lightness
- durability
- efficiency and versatility
- no noise and vibration
- safety against frost
- safety against corrosion
- safety against abrasion and deposits
- safety against condensation and heat loss
- safety against stray currents
- 100% recyclable (Green Building Product)

MARKING



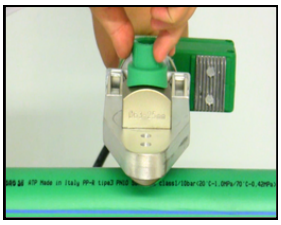
WELDING TECHNIQUES

socket welding



butt welding

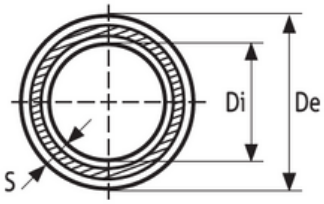
electrofusion



saddle welding

DIMENSIONS

SDR	Article	De mm	Di mm	Thickness (S) mm	Peso kg/m
CLIMA FIBER EvO - PN20 - SDR7,4/S3,2					
7,4	TUB 20 SDR7,4 FE	20	14,4	2,8 (+0,5)	0,158
	TUB 25 SDR7,4 FE	25	18	3,5 (+0,6)	0,246
CLIMA FIBER EvO - PN16 - SDR11/S5					
11	TUB 32 SDR11 FE	32	26,2	2,9 (+0,5)	0,290
	TUB 40 SDR11 FE	40	32,6	3,7 (+0,6)	0,440
	TUB 50 SDR11 FE	50	40,8	4,6 (+0,7)	0,690
	TUB 63 SDR11 FE	63	51,4	5,8 (+0,8)	1,100
	TUB 75 SDR11 FE	75	61,4	6,8 (+0,9)	1,500
	TUB 90 SDR11 FE	90	76,6	8,2 (+1,1)	2,160
	TUB 110 SDR11 FE	110	90	10,0 (+1,2)	3,170
	TUB 125 SDR11 FE	125	102,2	11,4 (+1,4)	4,120
	TUB 160 SDR11 FE	160	130,8	14,6 (+1,7)	6,714
	TUB 200 SDR11 FE	200	163,6	18,2 (+2,1)	10,670
	TUB 250 SDR11 FE	250	204,6	22,7 (+2,5)	16,450
	TUB 315 SDR11 FE	315	257,8	28,6 (+3,1)	25,800
	TUB 355 SDR11 FE	355	290,6	32,2 (+3,6)	32,200
CLIMA FIBER EvO - PN10 - SDR17/S8					
17	TUB 160 SDR17 FE	160	141	9,5 (+1,2)	4,500
	TUB 200 SDR17 FE	200	176,2	11,9 (+1,4)	5,900
	TUB 250 SDR17 FE	250	220,4	14,8 (+1,7)	10,800



AUTODESK REVIT

PHYSICAL-MECHANICAL CHARACTERISTICS

Hygienic compatibility:	supply of drinking water and food fluids for human consumption
Thermal transmission coefficient:	ƛ = 0,15 W/m°C
Coefficient of thermal expansion:	α = 0,04 mm/m°C
Fire resistance classification:	E (UNI-EN ISO 13501-1:2007)
Internal roughness:	μ= 0,0050 mm
Welding system:	thermofusion; electrofusion
Pipe structure:	three-layer
Material:	PP-R EvO + GF
Finish:	matt
Color:	light green with four blue coextruded lines
Supply:	4 m rods in sacks
Compatibility with all TORO 25 PP-R fittings	

For technical and installation warnings, please consult the official catalogue

STANDARD

DIN 8077 / 8078 / 16962
DVS 2207 / 2208
EN ISO 15874-2-3-5
EN ISO 15494
SGBP 2018-1968

RINA-ASTM D 635:2010
UNI EN 11861-15:2003
ISO 8795:2001
ASTM D 2444:2010
NSF / ANSI / CAN 61

CERTIFICATIONS

001/007482