

## Pipe system for hydro-sanitary networks with new built-in-pipe electrofusion joint

### APPLICATION FIELDS

- Distribution systems for cold water, ACS, heating, air-conditioning,
- liquid installations with high and low temperature,
- fire-protection networks,
- civil and industrial networks,
- installations of compressed air networks,
- fluid transport for agriculture and industry.

### DIFFERENTIATING FEATURES

- **Classification of fireproof B,s1-d0,**
- free of halogen,
- resistant of disinfection processes,
- antimicrobial protection,
- anti-expansion micro-fibres,
- UV protection,
- anti-incrustation protection.

### NEW JOINT SYSTEM FEATURES

- **Reduces installation times by 75%,**
- joint reliability and safety across all elements,
- Simplified joint-connection process,
- Pre-installation assembly,
- Does not affect the size of the section.

### REGULATION

The ABN//INSTAL ELECPIPE CT system fulfill the following regulation:

• **UNE EN 15874:** Supply systems made with plastic materials for cold and hot water installations. Polypropylene (PP).

• **DIN 8077:** Polypropylene pipes. Dimensions.

• **DIN 8078:** Polypropylene pipes. General requirements for quality and trials.

• **RP 01.00:** Special regulation for the brand AENOR for plastic materials. Common requirements.

• **RP 01.78:** Special regulation for the compliance AENOR certification for the supply systems in polypropylene random with modified crystalline (PP-RCT) and fiberglass (FV) for the installations in the indoor of buildings for hot and cold water.

• **RD 140/2003,** which establishes the health criteria of the quality of water for human consumption.

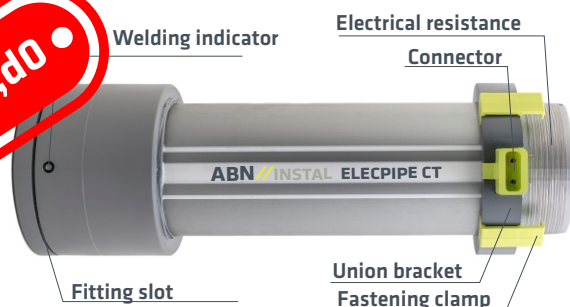
• **Certification of compliance by AENOR.**

**ABN//INSTAL ELECPIPE CT is a pipe system in PPR CT RP resistant to disinfection processes and with antimicrobial protection, B,s1-d0 classified**

### Text for tenders

#### POLYPROPYLENE PIPE ABN//INSTAL ELECPIPE CT

ABN//INSTAL ELECPIPE CT, B,s1-d0 classification of fireproof, halogen free, fabricated in PPR CT RP multilayer, for cold water, A.C.S., heating and air-conditioning, with disinfection resistance, anti-microbial additive, anti-incrustation resistance, anti-expansion resistance and UV protection. Series ---, SDR ---, from external diameter - mm and thickness --- mm, white inner layer and grey external layer with white strips, i/p.p. bends, branches and other fittings, installed in accordance to UNE ENV 12108.



### Three-layer ABN//INSTAL CT FASER RD pipe systems:

#### 1. PPR CT RP external grey layer with white strips, resistant to UV.

The additives with antioxidants that are used for the external layer minimized the degradation of sun exposure.

#### 2. PPR CT middle layer with micro-fibre anti-expansion.

Ensures high mechanical strength resistance and impact resistance with a less thick wall of the pipe, allowing the installation of lesser diameters in comparison to traditional PPR.

#### 3. Internal white layer with additive resistant to the disinfection, anti-incrustation and anti-microbial.

With a high resistance to the disinfection process, anti-microbial protection, anti-incrustation, also provides a 100% protection against the legionella, according to the microbial analysis performed by AQM laboratories.

## TECHNICAL FEATURES

Material	PPR CT RP + FV
Density	905 kg/m <sup>3</sup> according to ISO 1183
Melt Mass Flow Rate	0,30 g/10 min according to ISO 1133
Coefficient of linear thermal expansion	0,04 mm/m °C
Modulus of elasticity	900 Mpa according to ISO 527
Thermal conduction coefficient	0.24 w/mk according to DIN 52612
Production	EN ISO 15874/DIN 8077/DIN 8078

50 years operating pressures in accordance to DIN 8077 (SF:1,25)

Series	20°C	60°C	70°C	80°C*
5	20.3	11.3	9.5	8.1
Series	10°C	20°C	50°C	70°C
8	14.6	12.7	8.3	6.0

\*25 years for this temperature.

## Product range

### ABN//INSTAL ELEMPIPE CT RD

CODE	DIAMETER (mm)	THICKNESS (mm)	Series/SDR	LENGTH (m)
00000000000000	75		8/17	3,0
00000000000000	90		8/17	3,0
00000000000000	110		8/17	3,0
00000000000000	125		8/17	5,8
00000000000000	160		8/17	5,8
00000000000000	200		8/17	5,8
00000000000000	250		8/17	5,8
00000000000000	315		8/17	5,8
00000000000000	75		5/11	3,0
00000000000000	90		5/11	3,0
00000000000000	110		5/11	3,0
00000000000000	125		5/11	5,8
00000000000000	160		5/11	5,8
00000000000000	200		5/11	5,8
00000000000000	250		5/11	5,8
00000000000000	315		5/11	5,8



The welding is also:



Easier



Faster



Safer



Cost-effective

Distributor

**abn**  
PIPE SYSTEMS

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PYMEINNOVADORA

Válida hasta el 31 de diciembre de 2019

