



Air conditioning at the Lanzarote CACT | 2026



Why was this system chosen?

The **CACTs (Lanzarote Centres for Art, Culture and Tourism)**, recognised internationally for their integration of art, architecture and the natural environment, continue to upgrade their facilities to improve energy efficiency and the comfort of their spaces.

These centres, conceived under the vision of César Manrique, stand out for their commitment to sustainability and respect for the island's volcanic environment.

In this context, ABN Pipe Systems has contributed to the modernisation of the air-conditioning systems by **supplying the ABN // PPR CT INSU-PE system**. The solution has been custom-designed and configured to meet the technical requirements of the installation and the climatic conditions of Lanzarote. **Its design optimises energy efficiency, enhances the durability of the thermal fluid transport network and ensures integration that respects the environment.**

- The factory-pre-insulated system **was chosen primarily for its speed of installation**, eliminating the need for intermediate steps when applying the insulation. Furthermore, **it delivered greater thermal efficiency, as well as resistance to corrosion and weathering.**
- **As it was made to measure, it could be adapted to the project's technical and climatic requirements**, minimising the impact on the environment.

IMAGE GALLERY



Technical specifications

Type of installation

- Overhead air conditioning network

Location

- Lanzarote

Date of completion:

- March 2026

Diameters

- 125 mm internal (225 mm external)
- 160 mm internal (225 mm external)

Technical specifications

Internal pipe material

- Multilayer PPR CT + FV

Density

- 905 kg/m³ in accordance with ISO 1183

Oxygen permeability (40°C)

- <0.004 mg/m²

Insulation

- HFO polyurethane (PUR) foam

Thermal conductivity of the insulation (10°C)

- 0.02 W/mk

External protection:

- PE polyethylene sheath (black)



Fabricación
nacional

CENTRAL

Estrada Baños de Arteixo, 28
Parque Empresarial Agrela
15008 A Coruña

PLANTA DE PRODUCCIÓN

(Certificada)

Parque Empresarial Medina On
Autovía A6, km 152
47400 Medina del Campo
Valladolid

POLYMELT PIPE SYSTEMS

Planta de producción
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