

POLO-KLIMA

PP-R PIPE SYSTEM FOR HVAC APPLICATIONS



**MADE IN
GERMANY**

As a specialist with more than 60 years of experience in the production of plastic pipes, POLOPLAST finds innovative answers to technological questions.

POLO-KLIMA is a plastic pipe system specially designed and developed for your air-conditioning applications. Thanks to the innovative technology and excellent material properties, the extremely resistant and durable system is a big step into the future of HVAC installation.

This new PP-R pipe system not only improves the quality of life and work environment for the people in the building, it also improves your workflow during the installation.

**PURE
PROGRESS / poloplast**

POLO-KLIMA AFTER MANY YEARS, STILL AS GOOD AS NEW

POLO-KLIMA renders brittle pipes and corrosion a thing of the past. Boasting an extremely long service life and a fully developed and comprehensive range of pipes and fittings from one supplier, POLO-KLIMA excels for every type of installation. Plus, POLOPLAST pipes also offer you additional innovative benefits.

Let the others age!

MAIN ADVANTAGES



corrosion resistant



increased lifetime



fibre reinforcement and
reduced linear expansion



easy, fast and safe
installation



safe and homogenous
connections



no costs for
corrosion protection

FURTHER PROPERTIES

- 75 % less linear expansion
- low weight
- higher flow rate due to thinner walls
- excellent sound and thermal insulation properties
- no problems with dew point and corrosion from outside

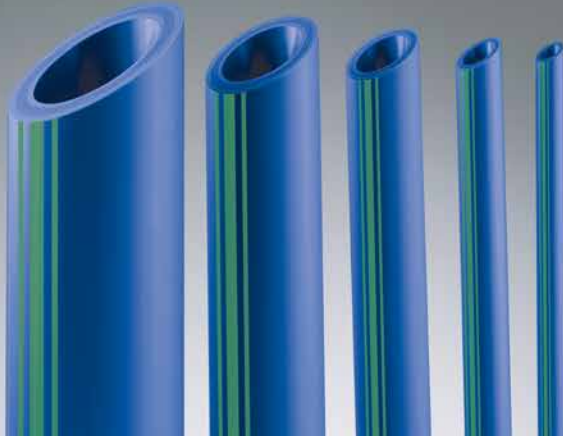


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POLO-KLIMA can be used for various applications in

- chilled water systems
- district cooling pipelines
- process water cooling
- air-conditioning system piping
- irrigation
- agricultural applications










**OD 20 mm
TO 250 mm***

* OD 1/2" to 10"

PRODUCT RANGE

The POLO-KLIMA ML5 pipe is completed with fittings from POLO-ECOSAN, a system designed for corrosion-resistant and long-lasting HVAC applications.

The POLO-KLIMA system is available in the following dimensions:

	Multi layer pipes fiber reinforced PP-R / PP-R GF		
	SDR 7.4	SDR 11	
			Corresponding fittings
			
da			
20	✓		POLO-ECOSAN socket welding fitting range
25	✓		
32		✓	
40		✓	
50		✓	
63		✓	
75		✓	
90		✓	
110		✓	
125		✓	
160		✓	Butt welding fittings, segment/injected fittings
200		✓	
250		✓	
Pipe series	S 3.2	S 5.0	
Service pressure	10 °C / 18 bar		
Thermal expansion factor	0.038 mm/mK		

The longevity and quality of POLO-KLIMA speak for themselves, and the products represent the next logical step toward the use of metal pipes. The almost maintenance-free system will not only reduce costly and time-consuming repairs but will also improve the quality of the building itself.

It's your choice!

POLO-KLIMA: the future-oriented system for HVAC/R applications.

INTERNATIONAL REFERENCES

POLOPLAST IN USE AROUND THE WORLD



Proscenium Makati City, Philippines

Construction period:
2015–2018



Echelon Tower Singapore

Construction period:
2013–2016



Sheikh Jaber Al Ahmad Cultural Centre, Kuwait

Construction period:
2015–2016



Caprice Gold Hotel Istanbul, Turkey

Construction period:
2014–2015



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Please refer to our technical instruction manuals.

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