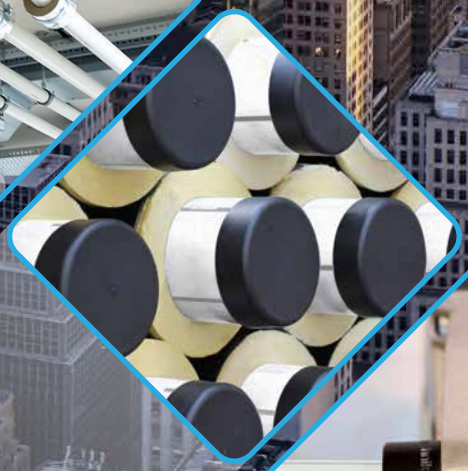
aquatechnik

Solutions for plumbing & plant-engineering



safety® plus+ System

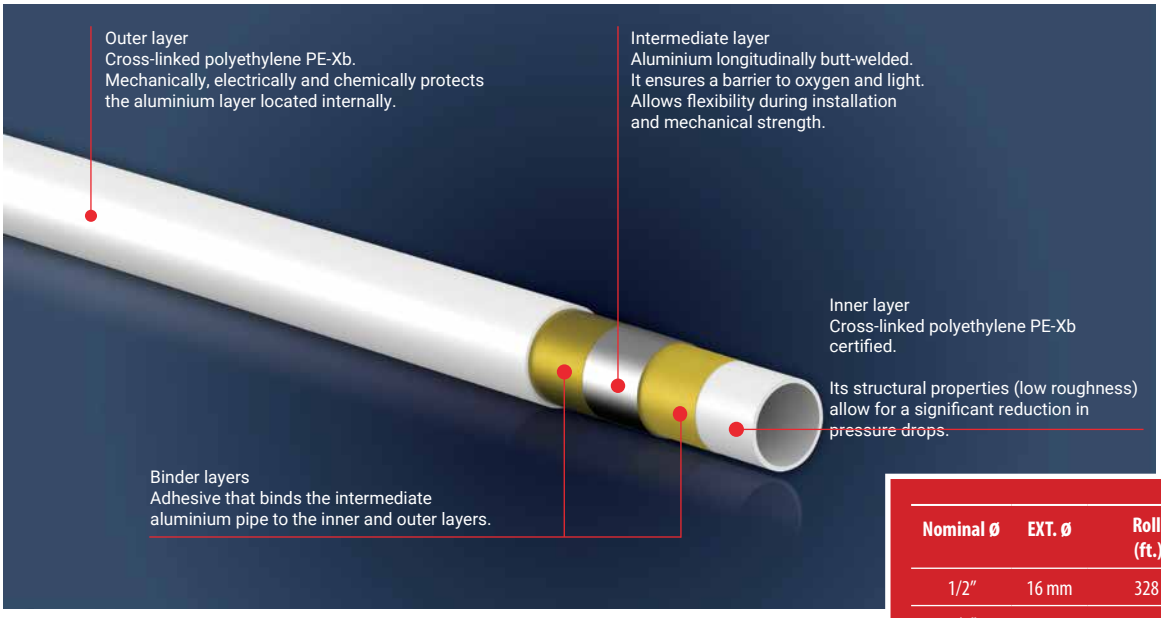
Multi-Calor multi-layer pipe (PEX-AL-PEX) & patented Safety®-Plus fittings of PPS with PA-M Caps

Range
From Ø ½" to 3"

Use
Transport of hot/cold fluids and non-potable fluids with maximum working temperature/ pressure 203°F/145psi

Advantages

- Simple and safe connections for in-wall installations
- High impact-resistant
- High flow rates/ low pressure drops
- Quick-and-easy installation
- Possibility to unlock fittings for re-use
- Resistant to lime, cement, plaster and electro-chemical reaction
- Low cost and economical dedicated tools
- Extremely flexible
- High working temperature and high pressure tolerance
- Chemically safe and stable for food-grade fluids
- Non-corrosive
- Leader in high flow rates and low pressure drops
- Economical quick-and-easy installation
- Impermeable to oxygenated fluids

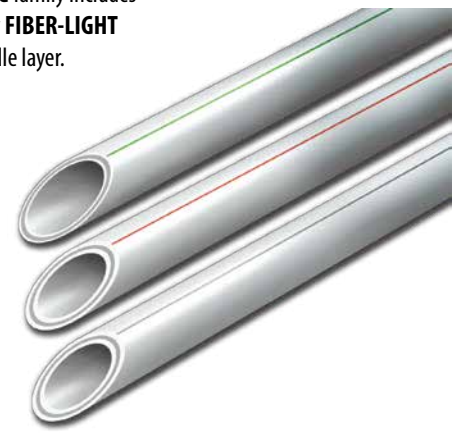


Nominal Ø	EXT. Ø	Roll (ft.)	Bundles (13 ft. Sticks)
1/2"	16 mm	328	15
5/8"	20 mm	328	10
7/8"	26 mm	164	10
1"	32 mm	164	8
1-1/4"	40 mm	N/A	5
1-1/2"	50 mm	N/A	5
2"	63 mm	N/A	3
2-1/2"	75 mm	N/A	2
3"	90 mm	N/A	1

fusio-technik®

PP-RCT 125 and PP-R Super 80 pipe and fittings for polyfusion welding

aquatechnik® has been manufacturing and distributing fusio-technik piping since the early 1980's. The **fusio-technik Pipe** family includes the faser **FIBER-T** faser **FIBER-COND** and new **FIBER-LIGHT** pipes with special reinforced fibers in the middle layer.



Range
From Ø ½" to 24"

Use
For most plant systems, hot/cold fluids, potable and non-potable fluids with a maximum working temperature of 203°F.

Applications
Sanitary systems, domestic plumbing, heating/cooling, industrial, food grade and non-food grade fluid transport.

Advantages

- The leader in high flow rate and low pressure drop
- Resistant to lime, cement, plaster and electro-chemical reaction
- Completely compatible with warm and cold fluids
- No scaling, corrosion or biological build-up
- 1/5th lighter than metal pipe
- Injection molded fittings up to 12" diameter
- Easy, safe flame-and-fumes free installation, plus low maintenance
- Approved and tested to ANSI/ ASHRAE Standard 90.1 and ULC S102.1 with approved 1/2" insulation
- **Comprehensive 30-year warranty**

The **fusio-technik**® family includes the **faser FIBER-T**, **faser FIBER-COND** and **faser FIBER-LIGHT** pipes with special reInforced fibers in the middle layer.

The **faser FIBER-T** is ideal for heating, air conditioning, domestic hot water, warm water transport, irrigation and compressed air systems.

The **faser FIBER-COND** is designed for mechanical systems such as heating/ cooling water, swimming pools, agriculture and other mechanical systems.

The **faser FIBER-LIGHT** is designed for low temperature, low pressure mechanical systems such as chilled water, irrigation and agricultural needs.

Like all the pipes in the system, the **FIBER-T, FIBER-COND** and the **FIBER-LIGHT** can be polyfused with the fusio-technik fittings. All PP-R fittings with brass are lead-free (complies with NSF 372).

aquatechnik® products comply with multiple listings and approvals including NSF 14, NSF 51, NSF 61, NSF-rw and ASTM 2389-17 on different products. Please visit the aquatechnikNA.com website to view the full listing and approvals of each individual product.

1+1=1

Heat fusion creates a homogenous union of aquatechnik PP-RCT 125 and PP-R Super 80 pipe and fittings. The fused joint is stronger than the pipe itself, ensuring a durable leak-free connection.

fusio-technik® UVRES

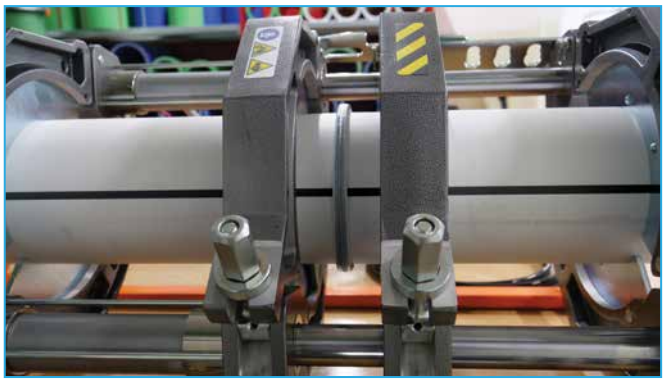
Proprietary UV resistant PP-RCT 125 pipe and fittings

Range
From Ø 1" to 4" for SDR 7.4 & Ø 6" to 12" for SDR 11
(Larger diameters availble upon request, contact for more detials)

Use
For most plant systems, hot/cold fluids, both potable and non-potable fluids with a maximum working temperature of 203°F

fusio-technik UVRES is an easy-to-install, safe and long-term outdoor piping solution offering these distinct advantages.

Advantages
- Leader in high flow rate and low pressure drop
- Resistant to lime, cement, plaster and electro-chemical reaction
- Completely compatible with warm and cold fluids
- Economical quick-and-easy installation
- UV stabilizer built into ourter layer
- Saves time, cost and risk associated with painting pipe or cutting and scraping a polyethylene jacket on the pipe
- Compatible with all other aquatechnik pipe and fittings



iso-technik

Insulated PP-RCT 125 pipe and fittings for polyfusion welding

Range
From Ø 1" to 12"

Use
For most plant systems, hot/cold fluids, potable and non-potable fluids with a maximum working temperature of 203°F.

Advantages
- Leader in high flow rate and low pressure drop
- Resistant to lime, cement, plaster and electro-chemical reaction
- Completely compatible with warm and cold fluids
- Economical quick-and-easy installation
- Pre-insulated for outdoor use
- Self-compensates for thermal expansion
- Acceptable for direct bury applications

- Suitable Use
- Possible Use
- Not Possible
- Consult Factory

	safety plus+	*fusio-technik* FIBER-T Red Striped Pipe, SDR 7.4	*fusio-technik* FIBER-COND Grey Striped Pipe, SDR 11	*fusio-technik* FIBER-LIGHT Green Striped Pipe, SDR 17.6	*fusio-technik* UVRES SDR 7.4	*fusio-technik* UVRES SDR 11	*iso-technik* FIBER-T Red Striped Pipe, SDR 7.4	*iso-technik* FIBER-COND Grey Striped Pipe, SDR 11	*iso-technik* FIBER-LIGHT Green Striped Pipe, SDR 17.6
Drinking Water at High Temperature	●	●	●	●	●	●	●	●	●
Drinking Water at Low Temperature	●	●	●	●	●	●	●	●	●
Heating	●	●	●	●	●	●	●	●	●
Conditioning/Cooling	●	●	●	●	●	●	●	●	●
Chilled Water	●	●	●	●	●	●	●	●	●
Swimming Pools	●	●	●	●	●	●	●	●	●
Heating/ Cooling for Sports Facilities	●	●	●	●	●	●	●	●	●
Conveying Chemicals*	●	●	●	●	●	●	●	●	●
Rainwater	●	●	●	●	●	●	●	●	●
Irrigation	●	●	●	●	●	●	●	●	●
Compressed Air	●	●	●	●	●	●	●	●	●
Floor Heating and Cooling	●	●	●	●	●	●	●	●	●
Naval	●	●	●	●	●	●	●	●	●
District Heating**	●	●	●	●	●	●	●	●	●
Civil Geothermal Plants	●	●	●	●	●	●	●	●	●
Industrial Geothermal Plants	●	●	●	●	●	●	●	●	●
Agriculture	●	●	●	●	●	●	●	●	●
UV Exposure	●	●	●	●	●	●	●	●	●
Sprinkler Systems	●	●	●	●	●	●	●	●	●

** Consult Factory ** Max. 194°F / 90°C*

aquatechnik

Comprehensive line of innovative pipe solutions

Wide range of high quality multilayer pipes in PE-X with oxygen barrier; as well as special UV coated 7/8" pipe

Patented system of synthetic material fittings

Pipes and fittings in PP-RCT WOR for polyfusion welding

Pre-insulated pipes and fittings in PP-RCT WOR for polyfusion welding

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