

SIMONA® PA 12-Line Pipes and Fittings for gas applications (16 bar) For safe and cost-effective installation

SIMONA® PA 12-Line Pipes and Fittings are suitable for gas pressure applications up to 16 bar. Perfectly strain-resistant welded joints enable safe installation.



Pilot project

Together with our partners Evonik, Friatec and WKT the first project using SIMONA® PA 12 was realised in the North Rhine-Westphalian town of Beckum, Germany. During renewal of the gas pipeline in town centre a wide range of risk factors had to be taken into account. The new gas pipeline had to meet particularly demanding requirements. For example, it had to withstand the maximum service pressures of 16 bar. The pipeline with fittings from the same system was installed in d 160 mm, SDR 11.

Laying and joining methods

Owing to their high level of crack and pressure resistance, the pipes and fittings made of SIMONA® PA 12 can be laid quickly and safely even in sensitive areas, e.g. residential locations. Installation can take place using either open methods or trenchless methods.

Open laying

- With and without sand bed

Trenchless laying

- Ploughing
- Pipe bursting

PA 12 Pipes and Fittings can be connected using conventional joining methods such as heated-tool butt welding and electrofusion welding.

Special Properties








- Notch resistance
- Light weight
- Low incrustation
- High flexibility
- No corrosion
- High resistance to slow crack propagation
- Excellent weldability



SIMONA® PA 12-Line Fittings

Product range

SIMONA® PA 12, SDR 11

		d (mm)
Fittings		
	Elbows, 45°	90; 110; 125; 160
	Elbows, 90°	90; 110; 125; 160
	Stub flanges	90; 110; 125; 160
	Tees, standard	90; 110; 125; 160
	Tees, reduced	90/63; 110/63; 110/90; 160/63; 160/90; 160/110
	Reducers, concentric	90/63; 110/63; 110/90; 125/63; 125/90; 125/110; 160/90; 160/110; 160/125
	End caps	90; 110; 125; 160

Other dimensions on request.
Pressure pipes on request.

SIMONA® PA 12-Line Fittings

- PA 12 injection-moulded fittings for gas supply with operating pressure up to 16 bar
- Fittings according to DIN ISO 16486 and DVGW GW 335-A6 (P)
- Processing (welding) according to DVS 2207-16



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