

AMD



Pipe
Systems



Fitting
Systems



Valve &
Flow Control
Systems



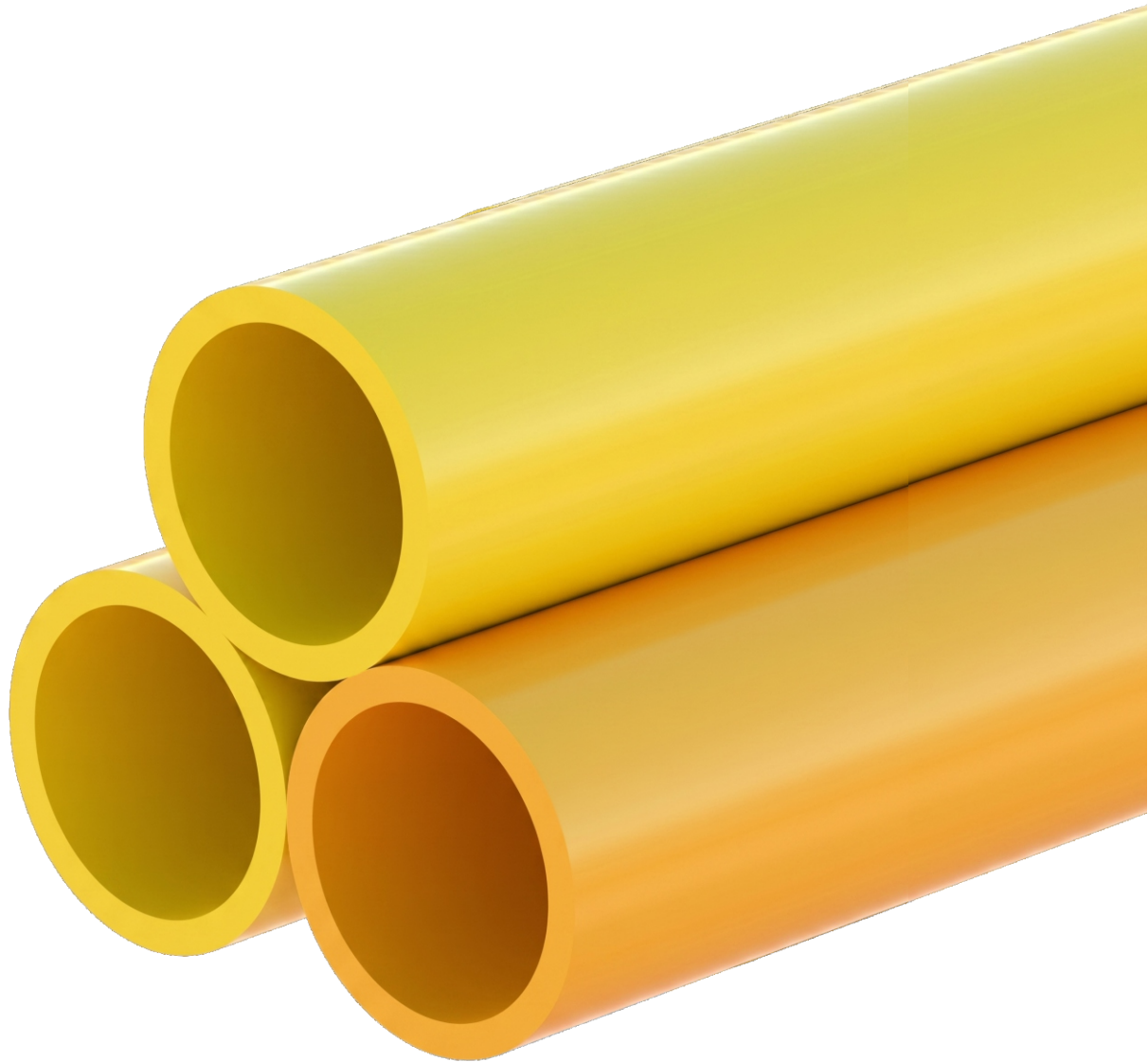
Flange &
Connection
Systems



Cable
Management
Systems



Plastic
Welding
Systems



CATALOG | 2026

PE GAS PIPE

PT. Golden Piping Indonesia

AMD



Public Utility
Infrastructure



Building
& Industry



Energy & Natural
Resources



Digital
Infrastructure

PT. Golden Piping Indonesia

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INTEGRATED PIPING SYSTEM

- Pipe Systems
- Fitting Systems
- Valve & Flow Control Systems
- Flange & Connection Systems
- Cable Management Systems
- Plastic Welding Systems

TENTANG PERUSAHAAN

PT. Golden Piping Indonesia adalah perusahaan yang fokus pada penyediaan solusi sistem perpipaan terintegrasi untuk memenuhi kebutuhan infrastruktur dan industri modern.

GPI menghadirkan portofolio produk yang lengkap dan komprehensif, mencakup Pipe Systems, Fitting Systems, Valve & Flow Control Systems, Flange & Connection Systems, Cable Management Systems, serta Plastic Welding Systems.

Produk dan solusi GPI dirancang untuk mendukung berbagai sektor strategis, antara lain Public Utility Infrastructure, Building & Industry, Energy & Natural Resources, dan Digital Infrastructure.

Dengan komitmen terhadap kualitas, efisiensi, dan pertumbuhan jangka panjang, GPI tidak hanya berperan sebagai penyedia produk, tetapi juga sebagai mitra strategis yang menghadirkan solusi sistem perpipaan terintegrasi sesuai kebutuhan pelanggan.

Didukung oleh produk berkualitas tinggi, layanan profesional, serta dukungan teknis yang andal, GPI berkomitmen untuk memberikan nilai tambah, meningkatkan efisiensi operasional, dan menghadirkan keandalan jangka panjang bagi setiap pelanggan.

ABOUT COMPANY

PT. Golden Piping Indonesia is a company specializing in the provision of integrated piping system solutions to meet the demands of modern infrastructure and industrial development.

GPI offers a comprehensive portfolio of products, including Pipe Systems, Fitting Systems, Valve & Flow Control Systems, Flange & Connection Systems, Cable Management Systems, and Plastic Welding Systems.

GPI's products and solutions are designed to support a wide range of strategic sectors, including Public Utility Infrastructure, Building & Industry, Energy & Natural Resources, and Digital Infrastructure.

Committed to quality, efficiency, and long-term growth, GPI is more than just a product supplier, we are a strategic partner dedicated to delivering integrated piping system solutions tailored to our customers' specific requirements.

Supported by high-quality products, professional services, and reliable technical support, GPI is committed to creating added value, enhancing operational efficiency, and delivering long-term reliability for every customer.







Product Description

PE Gas Pipe adalah pipa berbahan Polyethylene (PE80 / PE100) yang dirancang khusus untuk distribusi gas bertekanan rendah hingga menengah, seperti natural gas (gas alam) dan LPG vapor. Pipa ini dikenal dengan warna kuning atau hitam dengan garis kuning, sebagai identifikasi standar untuk jaringan gas.



Technical Specifications

Material	PE 80, PE100		
Standard	SNI 8884-2:2020		
Diameter	DN 20 - DN 630		
Color	Yellow, Orange		
Pressure Nominal	10, 12.5, 16 Bar		
SDR	17, 13.6, 11		
Length	Roll	Ø 20 - Ø 110 (50, 100, 200 m)	
Pipe	Straight	Ø 20 - Ø 630 (5.8, 6, 11.8, 12 m)	

Standards & Certifications



SNI 8884-2:2020



TKDN

Quality & Testing

- Hydrostatic pressure test
- Slow crack growth resistance (SCG test)
- Rapid crack propagation (RCP test)
- Leak tightness test (joint)
- Dimensional & visual inspection

Related Products

- PE Gas Fittings (electrofusion)
- Valve gas system
- Transition fittings (steel to PE)
- Gas meter & accessories

Summary

Solusi perpipaan bertekanan untuk distribusi gas yang mengutamakan keselamatan, keandalan, dan sambungan bebas kebocoran, menjadikannya pilihan utama untuk jaringan gas modern.

Product Concept

Solusi perpipaan modern berbasis PE yang mengutamakan safety, reliability dan leak-tight performance untuk infrastruktur distribusi gas yang aman dan efisien.

Function (Fungsi)

Menyalurkan gas bertekanan secara aman dengan sistem sambungan kedap (leak-free) dan ketahanan tinggi terhadap tekanan serta lingkungan.

System Role (Peran dalam Sistem)

Komponen kritis dalam Gas Distribution System, mencakup jaringan transmisi tekanan rendah-menengah, distribusi, hingga sambungan ke pelanggan.

Advantages

- Sambungan fusion dengan zero leakage system
- Tahan korosi (lebih aman dibanding pipa logam)
- Fleksibel & tahan pergerakan tanah
- Umur pakai panjang (>50 tahun)
- Instalasi cepat & efisien
- Maintenance rendah

Applications

- Jaringan distribusi gas kota (city gas)
- Gas rumah tangga (residential connection)
- Kawasan industri & komersial
- Jaringan gas bawah tanah

Jointing System

- Electrofusion (utama untuk gas - safety tinggi)
- Butt Fusion
- Mechanical fitting (approved system)

Installation Method

- Underground installation (buried system)
- Open trench method
- Horizontal Directional Drilling (HDD)
- Protected installation dengan marking system



Thickness PE80, PE100 Gas Pipe

DN	Wall Thickness (mm)		
(mm)	SDR 9	SDR 11	SDR 17
16	3.0	2.3 ^d	-
20	3.0	2.3 ^d	-
25	3.0	2.3 ^d	-
32	3.6	3.0	2.3 ^d
40	4.5	3.7	2.4 ^d
50	5.6	4.6	3.0
63	7.1	5.8	3.8
75	8.4	6.8	4.5
90	10.1	8.2	5.4
110	12.3	10.0	6.6
125	14.0	11.4	7.4
140	15.7	12.7	8.3
160	17.9	14.6	9.5
180	20.1	16.4	10.7
200	22.4	18.2	11.9
225	25.2	20.5	13.4
250	27.9	22.7	14.8
280	31.3	25.4	16.6
315	35.2	28.6	18.7
355	39.7	32.2	21.1
400	44.7	36.4	23.7
450	50.3	40.9	26.7
500	55.8	45.5	29.7
560	-	50.9	33.2
630	-	57.3 ^d	37.4

Standard Length PE Gas Pipe

METER / ROLL			METER / STRAIGHT			
200	100	50	12	11.8	6	5.8
•	•	•				
•	•	•				
•	•	•				
•	•	•				
•	•	•	•	•	•	•
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			•	•	•	•



Thickness PE80, PE100 Gas Pipe

DN	Wall Thickness (mm)						
(mm)	SDR 9	SDR 11 ^b	SDR 13.6	SDR 17 ^b	SDR 17.6 ^c	SDR 21	SDR 26
16	3.0	2.3 ^d	-	-	-	-	-
20	3.0	2.3 ^d	-	-	-	-	-
25	3.0	2.3 ^d	2.3 ^d	-	-	-	-
32	3.6	3.0	2.4 ^d	2.3 ^d	2.3 ^d	-	-
40	4.5	3.7	3.0	2.4 ^d	2.3 ^d	2.3 ^d	-
50	5.6	4.6	3.7	3.0	2.9 ^d	2.4 ^d	2.3 ^d
63	7.1	5.8	4.7	3.8	3.6	3.0	2.5 ^d
75	8.4	6.8	5.6	4.5	4.3	3.6	2.9 ^d
90	10.1	8.2	6.7	5.4	5.2	4.3	3.5
110	12.3	10.0	8.1	6.6	6.3	5.3	4.2
125	14.0	11.4	9.2	7.4	7.1	6.0	4.8
140	15.7	12.7	10.3	8.3	8.0	6.7	5.4
160	17.9	14.6	11.8	9.5	9.1	7.7	6.2
180	20.1	16.4	13.3	10.7	10.3	8.6	6.9
200	22.4	18.2	14.7	11.9	11.4	9.6	7.7
225	25.2	20.5	16.6	13.4	12.8	10.8	8.6
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315	35.2	28.6	23.2	18.7	17.9	15.0	12.1
355	39.7	32.2	26.1	21.1	20.2	16.9	13.6
400	44.7	36.4	29.4	23.7	22.8	19.1	15.3
450	50.3	40.9	33.1	26.7	25.6	21.5	17.2
500	55.8	45.5	36.8	29.7	28.4	23.9	19.1
560	-	50.9	41.2	33.2	31.9	26.7	21.4
630	-	57.3D	46.3	37.4	35.8	30.0	24.1

^a $e_{min} = e_n$.

^b Seri yang lebih disukai.

^c Seri SDR 17,6 dapat dihilangkan pada revisi berikutnya dari Standar ini.

^d Nilai tebal dinding minimum yang lebih besar dari 2,3 mm, 2,4 mm, 2,5 mm, dan 2,9 mm dapat ditetapkan berdasarkan alasan praktis sesuai dengan persyaratan nasional. Sebagai rujukan lihat berkas teknis pabrikan atau spesifikasi nasional.

AMD PIPING SYSTEM

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