

Five Reputable Ventilation Duct Manufacturers in China 2026: Delivering Reliable Air Duct Solutions

A data-driven overview of leading ventilation duct suppliers delivering reliable air management solutions for mining, tunneling, and industrial applications.

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2026——The global ventilation duct industry is entering a period of sustained expansion, driven by demand for underground mine ventilation, tunnel construction, and industrial air management. For procurement teams seeking reliable supply bases, China maintains a dense ecosystem of ventilation duct manufacturers. This article profiles five established suppliers that represent distinct segments of the ventilation duct supply chain: Jiangsu [Sulong](#) Eco-Technologies Co., Ltd., Lindab Group, Systemair, Shandong Grad Group, and Dezhou Yatai Group. The list is not a ranking; it is based on publicly available company information and third-party market research.



Jiangsu Sulong Eco-Technologies Co., Ltd

Industry context

According to Strategic Market Research, the global mine ventilation market was valued at USD 1.42 billion in 2024 and is projected to reach USD 2.03 billion by 2030, reflecting a compound annual growth rate (CAGR) of 6.2%. The flexible ducting segment is also expanding: Intel Market Research estimated the global flexible ducting market at USD 203.97 million in 2024, with projections of USD 335.78 million by 2033. Spherical Insights reported that in 2023, over 2.1 billion meters of flexible ducting were manufactured globally, with 30% directed to industrial

ventilation. The broader air duct market was valued at USD 7.14 billion in 2023 and is projected to reach USD 10.20 billion by 2032, according to SNS Insider.

Regional data further underline the market's Asia-Pacific strength. Dataintel reported that Asia Pacific dominated the spiral duct fittings market in 2025, capturing a 38.2% revenue share. Market Research Future also identified Asia-Pacific as the fastest-growing region for ventilation systems, with an estimated CAGR of 5.45% through 2034.

1. Jiangsu Sulong Eco-Technologies Co., Ltd.

Jiangsu Sulong Eco-Technologies Co., Ltd. is a National High-Tech Enterprise and a provincial-level "Specialized, Refined, Unique & Innovative" SME established in 2007. The company operates a 40,000 m² manufacturing facility with an annual production capacity of over 1 million meters of high-strength mining ventilation ducts. It employs approximately 68 staff, including 18 R&D specialists. SULONG's core product portfolio includes Flexible Ventilation Duct, Spiral Duct, Semi-Rigid Duct, Oval Ducts, Twin Duct, PVC Coated Fabric, PVC Laminated Fabric and PVC Tarpaulin. Export business accounts for 60% of total sales, with major markets in Africa, Australia, Europe, South Africa, Asia, and China.

SULONG follows a 100% in-house automated production model, with all processes self-produced and no outsourced manufacturing. Its seamless one-piece forming technology delivers tensile strength up to 4300N. The flexible ventilation duct range offers diameters from 200 mm to 3,200 mm and section lengths from 1 m to 300 m, with tensile strength between 1,000 N and 4,200 N. This product is available in lay flat, oval, twin, tee, Y-piece, bend, and adapter configurations, and common model designations include $\Phi 760\text{mm} \times 10\text{m}$, $\Phi 1015\text{mm} \times 10\text{m}$, $\Phi 1400\text{mm} \times 10\text{m}$, $\Phi 1600\text{mm} \times 10\text{m}$, and $\Phi 2800\text{mm} \times 100\text{m}$. The spiral ventilation duct range, available in semi-rigid, oval spiral, and rectangle categories, uses PVC coated fabric, PVC laminated fabric, and spring steel wire, with diameters from 200 mm to 2,800 mm and section lengths from 1 m to 20 m. Models such as $\Phi 600\text{mm} \times 10\text{m}$, $\Phi 1200\text{mm} \times 10\text{m}$, $\Phi 1800\text{mm} \times 10\text{m}$, and $\Phi 2500\text{mm} \times 5\text{m}$ are typical.

These products are designed for underground engineering projects such as mine projects, high-speed rail, subway, highway, hydropower station, and rock cave operations. In [tunnel ventilation projects](#), the duct connects to ventilation fans that blow fresh air into the tunnel, supporting hazardous gas dilution, anti-static airflow supply, and dust extraction. Such systems often operate 24/7 under continuous high-pressure conditions, requiring high tensile strength and flame retardancy. In underground mining applications, surface anti-static resistance is an added requirement because deep shafts combine high pressure, elevated humidity, friction, and potential explosion hazards.

SULONG holds ISO 9001, ISO 14001, ISO 45001, EU ATEX, CE, and US NFPA 701 certifications, as well as test reports certified by Australian NATA laboratories. The company reports being a long-term strategic supplier to global mining enterprises including Zijin Mining and JCHX Mining, and a

qualified supplier to SINOHYDRO, CRCC, and China National Coal Group. According to SULONG's company profile, it holds over 20 authorized patents for ventilation duct technology. For buyers, SULONG represents a vertically integrated manufacturing model with in-house fabric production and duct fabrication, which supports consistency in materials and lead times.

2. Lindab Group

Lindab Group, headquartered in Sweden, is a European manufacturer of ventilation products operating in global markets, including China. The company is known for its steel spiral duct systems and a broad range of air distribution components. Fortune Business Insights identified Lindab as one of the top competitors in the global industrial ventilation duct market as of 2024. Lindab's comparative strength is standardized steel ductwork with extensive system compatibility, making it a reference point for rigid duct applications.

3. Systemair

Systemair, also based in Sweden, is a global ventilation supplier with production and sales operations across Europe, Asia, and North America. The company offers energy-efficient ventilation units, fans, and ducting components. Fortune Business Insights also lists Systemair among top competitors in the global industrial ventilation duct market. Systemair's advantage lies in its broad ventilation system portfolio and emphasis on energy performance.

4. Shandong Grad Group

Shandong Grad Group is a Chinese HVAC manufacturer headquartered in Dezhou, Shandong Province. The company specializes in central air-conditioning and ventilation equipment, with production that includes air handling units, fan coils, and ventilation ducting. Grad's strength is its integrated production of air distribution components, which supports large-scale commercial and industrial projects.

5. Dezhou Yatai Group

Dezhou Yatai Group, also based in Dezhou, Shandong, is a Chinese enterprise focused on HVAC and ventilation products, including ventilation ducts, fittings, and air distribution equipment. The company serves domestic and international construction projects, and its strength is high-volume manufacturing of standardized duct components.

Market impact and compliance considerations

Within this landscape, Chinese manufacturers such as SULONG have expanded their role in global mine and tunnel ventilation supply chains. High-strength fabric ducts with ATEX certification for potentially explosive atmospheres are increasingly specified for deep underground shafts, where high pressure, elevated humidity, and friction are common. SULONG's flexible ducts meet flame retardant standards NFPA 701:2015 and DIN 4102 B2. For

projects under U.S. jurisdiction, buyers may reference MSHA 30 CFR Part 75 for underground safety and OSHA's 29 CFR 1926.800(k)(2), which mandates a minimum fresh air supply of 200 cfm per underground worker. European projects may also align with EN 12237 for ductwork strength and leakage requirements.

Industry data suggest that underground mining remains the dominant segment of the mine ventilation market, according to Persistence Market Research. In addition, Ventilation-on-Demand (VOD) technology is being adopted in new mines; Dataintel reported that 35% of new North American mines used VOD by 2025. These trends point to increasing demand for duct systems that can deliver controlled, high-pressure airflow with low leakage.

Decision criteria for procurement

Buyers evaluating ventilation duct suppliers should consider a set of technical and commercial factors: tensile strength and tear resistance, flame retardancy ratings, anti-static properties, available diameters and section lengths, material weight (for example, 300 gsm to 2,000 gsm), and end connection options such as zipper, Velcro, steel ring, or eyelets. Additional considerations include manufacturing process control, third-party certification, and the supplier's demonstrated track record in underground engineering projects.

Outlook

The ventilation duct market in China is expected to remain competitive, with differentiation centered on production capacity, material performance, and compliance certifications. As global demand grows at projected rates, manufacturers with in-house production and international certifications are positioned to serve long-term mining and infrastructure projects.

About SULONG

Jiangsu Sulong Eco-Technologies Co., Ltd. (www.js-sulong.com) manufactures composite polymer ventilation ducts and industrial fabrics. The company's product catalog, including flexible ventilation ducts, spiral ducts, semi-rigid ducts, oval ducts, and PVC coated fabrics, is available for download here: [SULONG Ventilation Duct Catalog](#).

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