



An OEM & Custom Engineered Manufacturer

SINO AMPLE

Air Duct Series Product Catalogue

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COMPANY PROFILE

As a professional supplier of air conditioning vents, valves, and ducts, Sino Ample Group is committed to providing customers with comprehensive air conditioning solutions. The company's products cover residential, commercial, and industrial air conditioning fields, including central air conditioning, fresh air systems, fire smoke exhaust, and server room air conditioning among others.

Whether it's for homes, office buildings, shopping malls, or factories, Sino Ample Group can provide suitable products and services to meet the diverse needs of customers. Our company boasts an experienced and skilled R&D team that continuously launches innovative and competitive new products. Additionally, we emphasize product quality management, introducing advanced production processes and a strict quality control system to ensure that every product meets high quality standards.

To better serve customers, we've established a comprehensive sales network. Whether it's product inquiries, installation guidance, or post-sale maintenance, Sino Ample Group can timely respond to customer needs and provide professional solutions and technical support.

YF401-Double-sided aluminum foil hose

The double side insulation hose is mainly suitable for high, medium, and low pressure central air conditioning and ventilation systems. Double-sided aluminum foil hose is mainly made from high-strength steel wire wrapped in aluminum foil composite film. It is widely used in medium and low-pressure central air conditioning ventilation and industrial ventilation as well as fresh air exchange projects. It does not produce toxic gases when exposed to high temperatures or fire.



	Product	Inner Diameter (Inch)	Inner Diameter (mm)	Wire Spacing (mm)	Technical Data
1	Aluminum foil hose	2	50	17	Material: fiberglass cloth, aluminum foil, PET, steel wire Product color: bright silver on both sides Flame retardant level: B1 Temperature range: -20 to 120°C Bending radius: 0.54*D Maximum pressure: 2000PA Steel wire diameter: 0.8mm-1.4mm Duct length: each hose extends to 10 m (50mm when compressed)
2	Aluminum foil hose	2.5	63	17	
3	Aluminum foil hose	3	75	27	
4	Aluminum foil hose	4	105	27	
5	Aluminum foil hose	4.5	115	30	
6	Aluminum foil hose	5	125	30	
7	Aluminum foil hose	6	155	35	
8	Aluminum foil hose	6.5	165	35	
9	Aluminum foil hose	7	175	40	
10	Aluminum foil hose	8	205	40	
11	Aluminum foil hose	9	225	40	
12	Aluminum foil hose	10	255	40	
13	Aluminum foil hose	12	305	40	
14	Aluminum foil hose	14	355	40	
15	Aluminum foil hose	16	405	40	
16	Aluminum foil hose	18	455	40	
17	Aluminum foil hose	20	510	40	

YF 402 - Glass fiber reinforced composite hose

The aluminum foil fiberglass cloth composite hose is made of aluminum foil composite film and aluminum foil fiberglass cloth wrapped around high-strength steel wire. It is mainly suitable for medium and low-pressure central air conditioning ventilation and is widely used in industrial ventilation and fresh air ventilation projects. It does not emit toxic gases when exposed to high temperatures and fire.



YF 402 Size Chart

	Product	Inner Diameter (Inch)	Inner Diameter (mm)	Wire Spacing (mm)	Technical Data
1	Glass Fiber Composite Hose	2	50	30	Material: Fiberglass cloth, aluminum foil, PET, steel wire Product color: Silver Flame retardant level: B1 Temperature range: -20 to 130°C Bending radius: 0.54*D Maximum pressure: 2000PA Steel wire diameter: 0.8mm-1.4mm Duct length: Each hose extends to 10 meters (Compressed to 60CM)
2	Glass Fiber Composite Hose	2.5	63	30	
3	Glass Fiber Composite Hose	3	75	30	
4	Glass Fiber Composite Hose	4	105	30	
5	Glass Fiber Composite Hose	4.5	115	30	
6	Glass Fiber Composite Hose	5	125	40	
7	Glass Fiber Composite Hose	6	155	50	
8	Glass Fiber Composite Hose	6.5	165	50	
9	Glass Fiber Composite Hose	7	175	65	
10	Glass Fiber Composite Hose	8	205	65	
11	Glass Fiber Composite Hose	9	225	65	
12	Glass Fiber Composite Hose	10	255	65	
13	Glass Fiber Composite Hose	12	305	70	
14	Glass Fiber Composite Hose	14	355	70	
15	Glass Fiber Composite Hose	16	405	70	
16	Glass Fiber Composite Hose	18	455	70	
17	Glass Fiber Composite Hose	20	510	70	

YF403-PVC aluminum foil composite hose

The aluminum foil composite film for PVC aluminum foil composite hoses is made of aluminum foil and high-strength steel wire wrapped with PVC. It is mainly suitable for widespread use in medium and low-pressure central air conditioning ventilation and industrial ventilation as well as fresh air exchange projects. It does not produce toxic gases when exposed to high temperatures and fire.



YF 403 Size Chart

	Product	Inner Diameter (inch)	Inner Diameter (mm)	Wire spacing (mm)	Technical Data
1	PVC Double-Sided Hose	2	50	14	Product Color: Silver Grey Material Composition: Mylar Aluminum Foil, Steel Wire Flame Retardant Level: B2 Level Temperature Range: -30 to 100 °C Bending Radius: 0.54*D Maximum Pressure: 2000PA Steel Wire Diameter: 0.8MM-1.4mm Hose Length: Each hose extends to 10 meters (compressed length 55CM)
2	PVC Double-Sided Hose	2.5	63	14	
3	PVC Double-Sided Hose	3	75	20	
4	PVC Double-Sided Hose	4	105	30	
5	PVC Double-Sided Hose	4.5	115	30	
6	PVC Double-Sided Hose	5	125	35	
7	PVC Double-Sided Hose	6	155	35	
8	PVC Double-Sided Hose	6.5	165	35	
9	PVC Double-Sided Hose	7	175	40	
10	PVC Double-Sided Hose	8	205	40	
11	PVC Double-Sided Hose	9	225	40	
12	PVC Double-Sided Hose	10	255	40	
13	PVC Double-Sided Hose	12	305	40	
14	PVC Double-Sided Hose	14	355	40	
15	PVC Double-Sided Hose	16	405	40	
16	PVC Double-Sided Hose	18	455	40	
17	PVC Double-Sided Hose	20	510	40	

YF 404 - Nylon fabric retractable hose

Nylon fabric hoses are suitable for the suction and transfer of smoke, gas, light dust, and air in air conditioning and ventilation equipment; as hose connectors for radiators, blowers, and other air transfer equipment; for the discharge of flue gases, blower exhaust devices, and monitoring devices for engine testing. Duct features: flame retardant, shock-resistant, tear-resistant, tensile strength, lightweight, excellent bending compression, and temperature resistance from -20 to 120 °C.



YF 404 Size Chart (Temperature resistant up to 80°C)

	Product	Inner Diameter (Inch)	Inner Diameter (mm)	Technical Data
1	Nylon fabric hose	2	50	Product Color: Gray Material Composition: Aluminum foil, Steel wire Flame Retardant Level: B2 Temperature Range: -30 to 80°C Bending Radius: 0.54*D Maximum Pressure: 2000PASteel Wire Diameter: 0.8mm-1.4mm Duct Length: Each hose extends to 10 meters (compressed to 60CM)
2	Nylon fabric hose	2.5	63	
3	Nylon fabric hose	3	75	
4	Nylon fabric hose	4	105	
5	Nylon fabric hose	4.5	115	
6	Nylon fabric hose	5	125	
7	Nylon fabric hose	6	155	
8	Nylon fabric hose	6.5	165	
9	Nylon fabric hose	7	175	
10	Nylon fabric hose	8	205	
11	Nylon fabric hose	9	225	
12	Nylon fabric hose	10	255	
13	Nylon fabric hose	12	305	
14	Nylon fabric hose	14	355	
15	Nylon fabric hose	16	405	
16	Nylon fabric hose	24	605	

YF 404A - Nylon fabric retractable hose



YF 404A Size Chart (Temperature resistant up to 120°C)

	Product	Inner Diameter (Inch)	Inner Diameter (mm)	Technical Data
1	Nylon fabric hose	2	50	Product Color: Deep Gray Material Composition: Aluminum foil, Steel wire Flame Retardant Level: B2 Temperature Range: -30 to +120°C Bending Radius: 0.54*D Maximum Pressure: 2000PASteel Wire Diameter: 0.8mm-1.4mm Duct Length: Each hose extends to 10 meters (compressed to 75CM)
2	Nylon fabric hose	2.5	63	
3	Nylon fabric hose	3	75	
4	Nylon fabric hose	4	105	
5	Nylon fabric hose	4.5	115	
6	Nylon fabric hose	5	125	
7	Nylon fabric hose	6	155	
8	Nylon fabric hose	6.5	165	
9	Nylon fabric hose	7	175	
10	Nylon fabric hose	8	205	
11	Nylon fabric hose	9	225	
12	Nylon fabric hose	10	255	
13	Nylon fabric hose	12	305	
14	Nylon fabric hose	14	355	
15	Nylon fabric hose	16	405	
16	Nylon fabric hose	24	605	

YF405 - Aluminum Metal Hose

Aluminum foil metal hoses are suitable for the suction and air transfer of smoke, gas, light dust, etc. in air conditioning and ventilation equipment; as hose connectors for radiators, blowers, and other air transfer devices; for the discharge of flue gases, exhaust devices of furnaces, and monitoring devices for engine testing.

Duct Features: flame retardant, shockproof, tear-resistant, tensile strength, lightweight, excellent bending and compression performance, and temperature resistant from -30 to 300 °C.



YF 405 Size Chart

	Product	Inner Diameter (Inch)	Inner Diameter (mm)	Technical Data
1	Aluminum Metal Hose	2	50	Hose diameter size: 2 inches ~ 10 inches Product color: silver Material composition: aluminum alloy Flame retardant grade: Class A Temperature range: -30 ~ 300°C Bending radius: 0.54*D Maximum pressure: 2000 PA Wire diameter: 0.8mm-1.4mm Duct length: each hose is 6 meters when extended (2 meters when compressed)
2	Aluminum Metal Hose	2.5	63	
3	Aluminum Metal Hose	3	75	
4	Aluminum Metal Hose	4	105	
5	Aluminum Metal Hose	4.5	115	
6	Aluminum Metal Hose	5	125	
7	Aluminum Metal Hose	6	155	
8	Aluminum Metal Hose	6.5	165	
9	Aluminum Metal Hose	7	175	
10	Aluminum Metal Hose	8	205	
11	Aluminum Metal Hose	9	225	
12	Aluminum Metal Hose	10	255	

YF406A-Flexible Insulation Stretch Hose

The insulation hose is mainly suitable for high, medium, and low pressure central air conditioning and ventilation systems. The inner tube is made of flexible aluminum foil, and it is wrapped with 25mm thick 16KG/cubic meter glass wool (white silk cotton). The outer layer is moisture-proof, made of aluminum foil and fiberglass cloth composite. This insulation hose has good fire resistance, excellent compressive strength, great thermal insulation performance, high elasticity, and is convenient for installation.



YF 406A Size Chart

	Product	Inner Diameter (Inch)	Inner Diameter (mm)	Technical Data
1	Insulation Stretch Hose	2	50	Diameter sizes: 4 inches to 16 inches Fire resistance level: Class A Temperature range: -30 to 120°C Insulation density: 16 kg Maximum airflow velocity: 25-30 m/s Thickness: 25-50 mm Bending radius: $0.54 * D$ Maximum working pressure: 2500 PA Thermal conductivity coefficient: 0.034 w/mk Combustion performance: Class B2
2	Insulation Stretch Hose	2.5	63	
3	Insulation Stretch Hose	3	75	
4	Insulation Stretch Hose	4	105	
5	Insulation Stretch Hose	4.5	115	
6	Insulation Stretch Hose	5	125	
7	Insulation Stretch Hose	6	155	
8	Insulation Stretch Hose	6.5	165	

YF407 - Silicone high-temperature air duct

The silicone high-temperature duct is mainly suitable for the transportation of hot air, cold air, chemical gases, and industrial gases, as well as for printing machinery, blower and compressor gas emissions, and engine manufacturing. Features: High-temperature resistant, acid and alkali resistant, leak-proof. The inner wall is smooth with low wind resistance. Temperature range: -70 to 300 °C.



YF 407 Size Chart

	Product	Inner Diameter (Inch)	Inner Diameter (mm)	Technical Data
1	Silicone High Temp Duct	1	25	Hose diameter size: 1 inches to 10 inches Temperature range: -70 to 300°C Maximum air flow speed: 25-30 m/s Maximum working pressure: 2500 PA Thermal conductivity: 0.034 W/MK Combustion performance: B1 level
2	Silicone High Temp Duct	1.5	38	
3	Silicone High Temp Duct	2	50	
4	Silicone High Temp Duct	2.5	63	
5	Silicone High Temp Duct	3	75	
6	Silicone High Temp Duct	3.5	85	
7	Silicone High Temp Duct	4	104	
8	Silicone High Temp Duct	5	127	
9	Silicone High Temp Duct	6	155	
10	Silicone High Temp Duct	8	205	
11	Silicone High Temp Duct	10	355	

YF408 - External Clamped Tunnel Ventilation Duct

The duct is mainly suitable for the transportation of hot air, cold air, chemical gases, and industrial gases, the exhaust of printing machinery, blowers, and compressors, as well as engine manufacturing. Characteristics: high-temperature resistant, acid and alkali resistant, leak-proof. The inner wall is smooth with low airflow resistance. Temperature range: -20 to 100 °C.

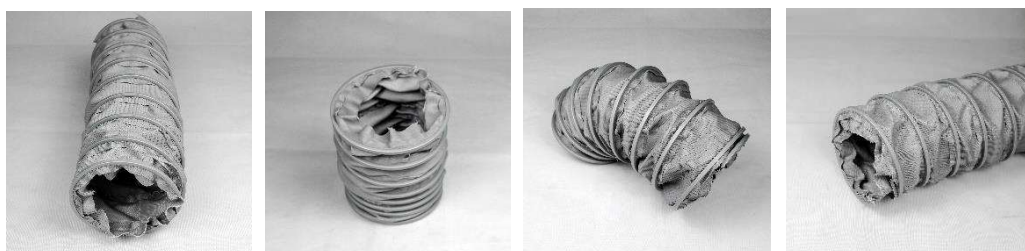


YF 408 Size Chart

	Product	Inner Diameter (Inch)	Inner Diameter (mm)	Technical Data
1	External Ventilation Duct	6	155	Diameter size: 6 inches to 20 inches Flame retardant grade: Class A Temperature range: -20 to 120°C Maximum air flow velocity: 25-30 m/s Maximum working pressure: 2500 PA Thermal conductivity: 0.034 W/mK Combustion performance: Class B2
2	External Ventilation Duct	6.5	165	
3	External Ventilation Duct	7	180	
4	External Ventilation Duct	8	205	
5	External Ventilation Duct	9	230	
6	External Ventilation Duct	10	255	
7	External Ventilation Duct	12	305	
8	External Ventilation Duct	14	355	
9	External Ventilation Duct	16	407	
10	External Ventilation Duct	18	455	
11	External Ventilation Duct	20	500	

YF409—Fiber Glass High Temperature Flexible Reinforced Clamped Duct

The air ducts are mainly suitable for the transport of hot air, cold air, chemical gases, and industrial gases, as well as for the exhaust of printing machinery, blowers, and compressors, and for engine manufacturing. Features: High temperature resistance, acid and alkali resistance, leak-proof. Smooth inner wall with low wind resistance. Temperature range: -70 °C to 400 °C.



YF409-Size Chart:

	Product	Inner Diameter Inch	Inner Diameter mm	Notes
1	Fiber-Glass High-temp Duct	4	105	Fiber Glass External high-temperature air duct Specification range: 4 inches - 16 inches Temperature range: -70-450 ° Maximum air velocity: 25-30 ms Maximum working pressure: 2500PA Thermal conductivity: 0.34w/MK Combustion performance: B1 grade
2	Fiber-Glass High-temp Duct	5	127	
3	Fiber-Glass High-temp Duct	6	155	
4	Fiber-Glass High-temp Duct	8	205	
5	Fiber-Glass High-temp Duct	10	256	
6	Fiber-Glass High-temp Duct	12	305	
7	Fiber-Glass High-temp Duct	14	355	
8	Fiber-Glass High-temp Duct	16	406	
9	Fiber-Glass High-temp Duct	18	450	
10	Fiber-Glass High-temp Duct	20	500	
11	Fiber-Glass High-temp Duct	24	600	

YF410-PVC Flexible Hose (Dehumidification)

The PVC Flexible duct is mainly suitable for the transportation of hot air, cold air, chemical gases, and industrial gases, as well as for the discharge of gases from printing machinery, blowers, and compressors, and in engine manufacturing. Characteristics: high temperature resistance, acid and alkali resistance, leak-proof. The inner wall is smooth with low wind resistance. Temperature range: -70 to 90 °C.



YF 410 Size Chart

	Product	Inner Diameter (Inch)	Inner Diameter (mm)	Technical Data
1	PVC Flexible Hose	4	105	Hose diameter size: 4 inches to 14 inches Temperature range: -10 to 70°C Maximum air flow speed: 25-30 m/s Maximum working pressure: 2500 PA Thermal conductivity: 0.034 W/MK Combustion performance: B1 level
2	PVC Flexible Hose	5	127	
3	PVC Flexible Hose	6	155	
4	PVC Flexible Hose	8	205	
5	PVC Flexible Hose	10	256	
6	PVC Flexible Hose	12	305	
7	PVC Flexible Hose	14	355	