

Ventilation Solutions



LEADERS IN VENTILATION

About Sangir

At Sangir, we strive to provide the most effective and cost-optimized solutions to our customers. We associate and collaborate with them to provide end-to-end solutions. We benchmark ourselves with the best in the international market and produce products conforming to global standards in manufacturing and quality. Accredited with ISO 9001:2016, ISO 14001:2015 & ISO 45001:2018 Certifications, we pride ourselves As a quality manufacturer of specialty thermoplastic products and a complete solution provider across the entire spectrum of Industries.

Sangir produces a broad array and a wide range of thermoplastic products, which includes Piping Systems, Sheets, Liners, Profiles, and specialties in diverse thermoplastics such as PP, PPH, HDPE, PVDF, CPVC, PVC, and special anti-static, fire-retardant, higher-temperature and Conductive Thermoplastic Grades.

Manufacturing
4
Locations

45
Acres Factory
Area

Capacity
40000
MT Per Annum



About HOKA

With over 35 years experience in Ventilation System, Germany based company was established in 1986 by Karl-Josef & Horst Severyns. HoKa are market leaders in many countries and now in Association with Sangir Plastics Pvt. Ltd, India.



Range Of Materials



PPs

Flame retardant
DIN 410 2- 1 B1

Working Temperature:
0° to +90° C

Chemical resistance:
Solvents and Alcohols

Application:
Inside



HDPE

Flame retardant

Working Temperature:
0° to +90° C

Chemical resistance:
Acids and Alkalis

Application:
Inside



PP - EL-s

Flame retardant

Working Temperature:
0° to +90° C

Chemical resistance:
Acids and Alkalis

Application:
Inside / Outside



PVDF

Flame retardant
DIN 4102-1 B1

Working Temperature :
-30° to +145° C

Chemical resistance:
Halogens

Application:
Inside / Outside

WHY Sangir Thermoplastics

SanVent® piping is specifically designed and manufactured for ventilation and exhaust systems that transport corrosive fumes. It is superior in performance to PVC, fiberglass, and sheet metal systems due to its chemical resistance, mechanical properties, solid construction, and ease of installation. It is perfect for applications as diverse as Chlorination, Water & Waste-Water facilities, electro-plating and electro-coating shops, Pickling Lines and cold-roll-mills, Non-Ferrous metals Extraction plants, pharmaceuticals & bulk drug industries, Cleanrooms, Semi-conductor and Solar Cell Manufacturing Industries



No Condensation of Moisture Like
in Case of GI or Metallic Ducts



No Internal & External Corrosion
Like in case of GI or Metallic Ducts



No Free-Form Ferric-Oxide or
Ferric-Hydroxide Ions floating in
Air, which could affect product quality



No Noise induced by vibration
propagated through the Duct, due
to rotary equipment such as Blowers



Vibration is absorbed locally at
source by Thermoplastic Ducting,
ensuring Noise-Free operation



No Micro-Fibers in the Air, caused by
Leaching of FRP or composite ducting,
which could affect product quality



No Embrittlement Caused by UV
Radiation, present in the Sunlight,
like in case of FRP or Composite Ducting



Thermoplastic Ducting are perfectly
inert to Acids, alkali and solvents
present in the contaminated Exhaust or Fumes



APPLICATIONS



Cleanrooms



Laboratories



Chemical Industry



Sewage Plants



Biogas



Solar Cell Manufacturing



Steel-Plant Pickling Lines



Non-Ferrous Metals Extraction Plant



Chip industry (Semiconductor)

Pre-made Polymer Ventilation Duct & Fittings Eliminate
The Need For Customised Fabrication



Bends



Branch outlets
(T-Piece) 90°



Branch outlets
(T-Piece) 45°



Double sockets



Reducers



Flanges



Flexible
connectors



Damper valves
with handle



Damper valves
with control knob



Outlet with grilles
30° angled



End caps



Breach
90° Outlets

Complete Ventilation System



Pipe & Fittings are produced in wide range of sizes with dimensions ranging from 50 to 1000 mm diameter.



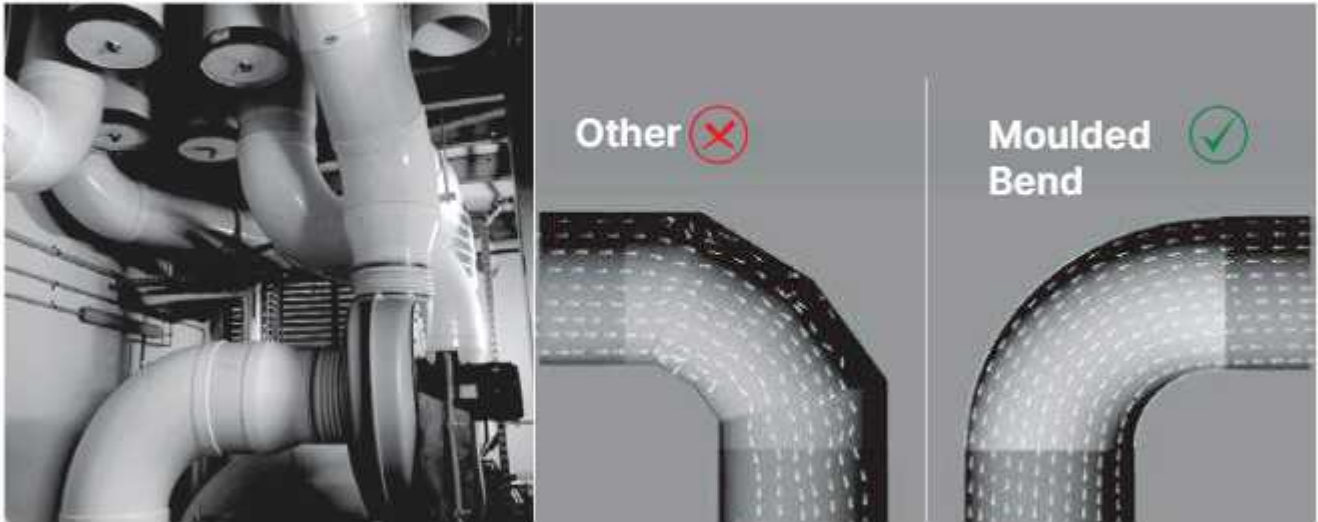
Extensive range of fittings such as bends, branches, couplers and reducers, virtually eliminates the need for custom fabrication.



Pipe & Fittings are manufactured using a controlled process that guarantees dimensional accuracy. Each fitting is produced with joining collars on all openings to further simplify the assembly process.



Pipe & Fittings are suitable for all exhaust and ventilation systems, including the extraction of corrosive and volatile fumes.



Energy Savings via Improving Air Flow



Smooth internal surfaces that reduce pressure drops



Elimination of internal welds and spirals



Elimination of leaks common in sheet metal systems



Elimination of segmented bends



Lightweight Materials



Chemical & Corrosion resistant



Environmentally Safe



Quick and Easy installation with light weight supports & Hangers



Low Maintenance & Operation costs

		20°C / 68°F		30°C / 86°F		40°C / 104°F		50°C / 122°F	
		10 Year	25 Year	10 Year	25 Year	10 Year	25 Year	10 Year	25 Year
OD x wall thickness	Material	Inch WC		Inch WC		Inch WC		Inch WC	
110 x 3.0	PVDF	78.7	75.6	-	-	59.8	56.7	-	-
110 x 2.7	PP, PPs	24.0	22.0	22.0	20.0	20.0	18.0	18.0	
110 x 2.7	HDPE	16.4	14.4	14.4	13.2	12.4	11.6	11.2	10.0
200 x 3.0	PVDF	12.6	12.1	-	-	9.6	9.1	-	
200 x 3.0	PP, PPs	5.6	5.0	4.8	4.6	4.4	4.2	4.0	3.6
200 x 4.9	HDPE	16.4	14.4	14.4	13.2	12.4	11.6	11.2	
315 x 4.0	PVDF	7.6	7.3	-	-	5.8	5.5	-	-
315 x 5.0	PP, PPs	6.6	6.0	5.8	5.4	5.2	5.0	4.6	
315 x 7.7	HDPE	16.4	14.4	14.4	13.2	12.4	11.6	11.2	10.0
400 x 5.0	PVDF	7.2	7.0	-	-	5.5	5.2	-	
400 x 6.0	PP, PPs	5.6	5.0	4.8	4.6	4.4	4.2	4.0	3.6
400 x 8.0	HDPE	8.1	7.3	6.8	6.2	5.5	5.1	4.4	
500 x 8.0	PP, PPs	6.8	6.2	6.0	5.6	5.4	5.0	4.8	4.0
500 x 8.0	HDPE	4.0	3.7	3.3	3.1	2.6	2.4	2.2	
630 x 10.0	PP, PPs	6.6	6.0	5.8	5.4	5.2	5.0	4.6	4.4
630 x 10.0	HDPE	4.0	3.5	3.3	2.9	2.6	2.4	2.2	

Installations



Tack



Weld



Complete

- All SanVent fittings are supplied with socket ends.
- Wall thickness up to and including 3mm joined by single pass hot air welding using 5mm X 3mm triangle welding rod.
- Wall thickness 5mm and greater requires hot air or extrusion welding.
- Fittings can be tack welded during installation to ensure proper alignment, then hot air welded to seal all joints.
- When fully cooled, SanVent welds do not require an additional cure time and are ready for service.



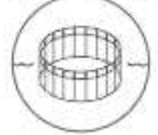
Piping Systems



Sheet & Profile Solutions



Marine Solutions



SanVent

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