SACVIN®
PIPES & TANKS

Product Catalogue



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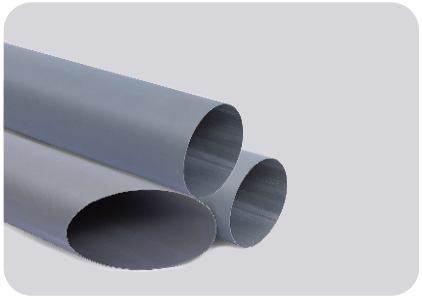
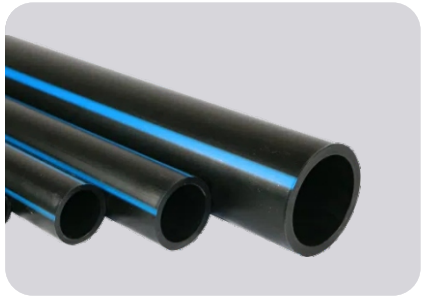
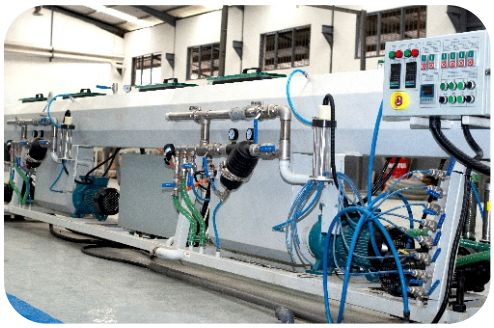






Making world-class plastics in Nigeria possible






BSV Industries Limited is part of the SACVIN Group of Companies and operates as SACVIN Pipes & Tanks.

The SACVIN Group is a leading manufacturer of plastics in Nigeria whose mission since inception has been clear: **Making world-class plastics in Nigeria possible.**

Our technology and expertise ensure high standards of production consistency, quality and efficiency across all five plants offering a variety of SKUs in homewares, coolers, industrial packaging, and plumbing essentials.

BSV's role is to become the one-stop-shop solution of reference for requirements of PVC, HDPE and PPR pipes, fittings, valves and water storage tanks.

Product quality

- Manufacturing according to SON standards (or higher) using 100% virgin US-grade PVC material.
- Consistent quality thanks to our fully automated processes and plants.

Product range

- Pipes - PVC, HDPE, and PPR from 20mm to 250mm diameters, and from 1.0mm to 14.5mm thickness.
- Fittings & Valves - Wide range of competitive imported fittings and valves.
- Tanks - Multiple designs ranging from 500 litres to 10,000 litres.

Capacity and availability

- Our installed capacity of over 1,500 metric tonnes per month enables us to meet our customer requirements as well as demand spikes.
- Our factories and depots in Lagos, Kano, Onitsha, and Abuja, with over 1,000 tonnes of inventory, ensure quick and easy access to our products nationwide.

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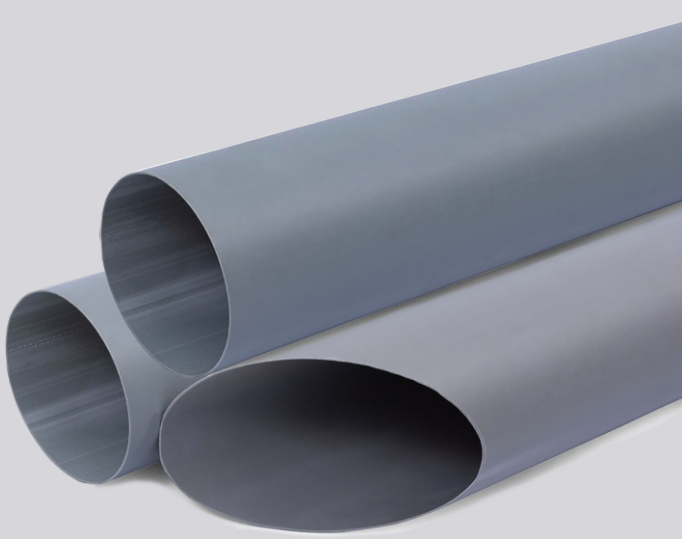
PVC Plumbing and Electrical



Description

PVC or polyvinyl chloride pipes have diverse applications because of their properties and can be used in both commercial and residential sectors. The application of PVC pipes includes their use in plumbing, drinking water distribution, irrigation systems, chemical handling, electrical systems, sewage and drainage systems.

Application

- Pressurised cold water networks
- Drainage systems
- Bore wells
- Irrigation networks
- Cable conduits (Electrical)

Manufacturing process

Extrusion of polyvinyl chloride resin

Features

- Lightweight
- Flexibility
- Durability

PVC Classification										
	PN 4	PN 5	PN 6	PN 6.3	PN 8	PN 10	PN 12.5	PN 16	PN 20	PN 25
OD (MN)	Internal Wall Thickness (MM)									
20								1.50	1.80	2.80
25							1.50	1.80	2.30	2.80
32						1.50	1.80	2.40	2.80	3.00
40				1.50	1.60	1.90	2.40	2.80	3.00	
50				1.50	2.00	2.50	3.00		4.00	
63		1.50	1.90	2.00	2.40	3.00		4.00		
75	1.50	1.80	2.00	2.20	2.50	3.00	4.00			
90	1.90	2.10			3.50	4.30	5.00			
110	2.00	2.20	2.50	3.00	3.50	4.20	5.30			
113			3.00	3.50	4.00	5.00				
125				3.50	3.90	5.20	6.50	7.50		
140			3.50	4.00	4.50	5.00	6.50			
160	2.00	2.50	3.00	4.50	5.50	6.50	7.70			
200		3.00	4.50	5.50	6.20	7.70	9.60			
225						7.70	10.70	13.30		
250		4.50	5.50	6.50	8.50	9.20	12.00	14.50		

Notes

Maximum length 6 metres (customisable on request)

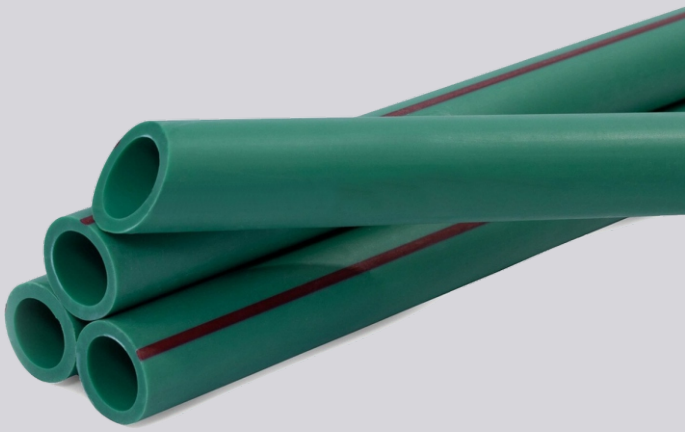
Three types of socketing available

- Solvent Cement (SC)
- Rubber Ring Joint (RRJ)
- Threading

Electrical Conduit pipes available

- Outside Diameter 20mm & 25mm
- Thickness from 1.0mm to 1.2mm and further customisable on request
- Standard length 2.8 meters (customisable on request)

PPR



Description

PPR pipes are straight and rigid cylindrical pipes, made from Polypropylene Random Copolymer resin, produced through a continuous extrusion process. The thermal conductivity of PPR is very low, meaning temperature cannot easily be conducted from the outside environment to the liquid in the pipe, and vice versa. This factor reduces heat loss or gain during transfer of hot or cold fluids respectively, resulting in energy-efficient systems and lower insulation costs for PPR piping. PPR pipes can be used for residential, industrial and public installations.

Application

- Pressurised water networks
- Temperature-controlled water networks

Manufacturing process

Extrusion of polypropylene random copolymer

Features

- High-temperature resistance
- Durability
- Corrosion resistance

PPR Classification			
OD(MM)	PN 16 1.6 Mpa	PN 20 2.0 Mpa	Length (M)
20	2.80	3.40	4.00
25	3.50	4.20	4.00
32	4.50	5.40	4.00
40	5.50	6.70	4.00
50	6.90	8.40	4.00
63	8.70	10.50	4.00

Notes

Maximum length 4 metres (customisable on request)

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HDPE



Description

HDPE is a flexible plastic pipe used for fluid and gas transfer and is often used to replace ageing concrete or steel pipelines. HDPE pipes are also increasingly used to house fiber optic cables underground. Made from thermoplastic, HDPE pipes have multiple applications, such as water and gas mains, sewer mains, rural irrigation, fire system supply lines and drainage. These pipes are flexible, rugged, and long-lasting.

Application

- Water and gas mains
- Fibre Optic Cabling
- Irrigation networks
- Drainage systems
- Fire prevention

Manufacturing process

Extrusion of high density poly ethylene

Features

- Flexibility
- Durability
- Chemical resistance

HDPE Classification				
OD	PN 10	PN 12.5	PN 16	PN 20
	SDR 17	SDR 13.5	SDR 11	SDR 9
20			2.0	2.3
25			2.3	3.0
32	4.50	5.40	3.0	3.6
40		6.70	3.7	4.5
50	6.90	8.40	4.6	5.6
63	8.70	10.50	5.8	7.1
75	8.70	10.50	6.8	8.4
90	8.70	10.50	8.2	10.1
110	8.70	10.50	10.0	12.3

Notes

- Straight pipes maximum length 6 metres (customisable on request)
- Coiled pipes available up to 40 mm outside diameter in maximum length of 250 metres

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Fittings



Preferred Partner of

SACVIN - An Aliaxis Preferred Partner

SACVIN and Aliaxis Group have formed a partnership whereby SACVIN is the 'Preferred Partner' for distribution across Nigeria. The main goal of this partnership is to provide their high-end fittings and valves for use with SACVIN pipes, offering end-to-end piping solutions. At the same time, this partnership considerably cuts lead times by holding stocks locally and fulfilling orders with a 'Just-In-Time' approach.

About Aliaxis

Aliaxis is a leading worldwide manufacturer and supplier of high-quality plastic products, used within civil engineering and other industries. The companies within the Group are well positioned in their respective markets and SACVIN has commenced the relationship with the REDI brand. REDI has been in the plastic fittings market for over 60 years, with a portfolio of pressure PVC fittings manufactured in Italy.













Tanks



Description

Water storage tanks can be used for both residential and industrial uses and their application can vary from storing drinking water, irrigation, fire suppression, farming, chemical manufacturing and many other uses. They are made of Polyethylene to prevent corrosion and facilitate transportation and installation.

Application

- Water storage
- Irrigation

Manufacturing process

Rotational moulding using polyethylene

Features

- Corrosion resistance
- Durability & Low Maintenance
- Lightweight

Design	Name	Diameter (M)	Shoulder Height (M)	Volume (L)
BSV	BSV 1000	1.020	1.235	1.009
	BSV 1200	1.100	1.460	1.387
	BSV 1350	1.195	1.420	1.592
	BSV 1500	1.250	1.390	1.705
	BSV 2000	1.310	1.640	2.209
	BSV 2500	1.370	1.880	2.770
	BSV 2800	1.450	1.810	2.987
	BSV 3000	1.480	1.890	3.250
	BSV 4000	1.620	2.120	4.368
	BSV 500	0.840	1.055	0.584
	BSV 750	1.020	1.080	0.882
	BSV 7500	2.025	2.450	7.887
	BSV 8500	2.055	2.770	9.183
	BSV 10000	2.200	2.840	10.790
SACVIN	SACVIN 3000	1.480	1.890	3.250
	SACVIN 5000	1.730	2.345	5.509
	SACVIN 6500	1.830	2.430	6.388
SACVIN WAVE	SACVIN WAVE 1350	1.240	1.340	1.617
	SACVIN WAVE 1800	1.300	1.500	1.990
	SACVIN WAVE 3500	1.400	2.250	3.462
	SACVIN WAVE 4500	1.635	2.250	4.722
	SACVIN WAVE 5500	1.700	2.400	5.445

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