

Nircon[®]

TANKS • PIPES • FITTINGS



विश्वास
का एक ही नाम



We are committed
to trade our entire product range to
meet customer satisfaction by
ensuring consistent high quality
with timely delivery in
competitive price.

- Wide Variety of Products
- Quality is our Priority
- Fast Delivery
- Quality Control Check
- Growth & Innovation

About the Company:

Since 2003, **Nircon Polymers Pvt. Ltd.** has developed, redefined & innovated a wide range of home, agricultural & industrial plastic products, primarily in the business of manufacturing water storage tanks & piping systems. Relentlessly innovating to create better products, tackle practical issues with installation & improve user experience, Nircon has not just kept up with times but has set new benchmarks for others to follow.

Nircon established its framework with the manufacturing variety of Rotational Molded Water Storage Tanks and gradually entered into the Piping Systems market with a variety of PVC, CPVC and HDPE Pipes & Fittings for plumbing, drainage, agricultural & industrial use.

With a strong emphasis on world-class quality standards using cutting-edge technology and continuous research & development to innovate new products, Nircon has emerged as one of the leading players in the industry. Over the years, the group has developed a wide variety of products with an exhaustive range of sizes and specifications.

At Nircon, we understand your need for Quality. That is why we adhere to the most stringent quality norms. While Nircon is an ISO 9001:2015 certified company, we have been awarded with the **"Udyog Ratna 2022"** Award organised by Laghu Udyog Bharti and the **"Rajasthan Industrial Icon 2022"** Award organised by The Times of India, recognising entrepreneurial excellence. Our products are ISI certified that offers the highest standards of quality and great value for money.



Milestone:

Started
Manufacturing
Rotational
Moulded Tanks

2003

2006

Introduced
PVC Piping
System

Added PVC
Fittings and
HDPE Coils &
Sprinkler Pipes

2010

2019

Introduced
Garden Pipes
& Ghamela

Started
Manufacturing
Underground
Water Tanks

2020

2021

Launched
CPVC Piping
System

we build
TRUST
forever



WIDE RANGE OF PRODUCTS

- ◆ WATER STORAGE TANKS
- ◆ UNDERGROUND TANK
- ◆ LOFT TANKS & DRUMS
- ◆ TANK PALLETS
- ◆ GHAMELA & DUSTBIN
- ◆ GARDEN PIPES
- ◆ CPVC PIPES & FITTINGS
- ◆ SWR PIPES & FITTINGS
- ◆ CONDUIT PIPES & BENDS
- ◆ AGRICULTURE PIPES & FITTINGS
- ◆ HDPE COIL PIPES
- ◆ HDPE SPRINKLER PIPES
- ◆ PLUMB PIPES
- ◆ SOLVENTS

WATER STORAGE TANKS

SIZES: 200L | 300L | 500/550L | 750L
1000/ 1100L | 1500L | 2000L
3000L | 5000L

Nircon Plastic water storage tanks are the most reliable and convenient way to store water for later use, be it for everyday household use, agricultural use or industrial use. Nircon is one of the best water tank company that offers wide range of black & colour LLDPE water storage tanks with UV in 200Ltr to 5000Ltr from single layer to 6 layer tanks.

WATER STORAGE TANKS



Dimensions of Water Storage Tanks

Code	Capacity (Ltrs)	Overall Diameter (mm)	Overall Height (mm)	Diameter Manhole (mm)
NHWT/200	200	700	590	280
NECO/200	200	680	630	280
NHWT/300	300	725	840	280
NECO/300	300	730	800	280
NECO/400	400	795	860	400
NHWT/500	550	900	965	400
NECO/500	500	880	900	400
NHWT/750	750	910	1170	400
NECO/750	750	980	1085	400
NHWT/1100	1100	1060	1280	400
NECO/1000	1000	1050	1225	400
NHWT/1500	1500	1225	1400	400
NCWT/2000	2000	1400	1620	400
NHWT/2000	2000	1370	1545	450
NHWT/3000	3000	1470	1900	450
NCWT/5000	5000	1880	2130	400
NHWT/5000	5000	1930	1900	450

IS: 12701



Era

Era means a long span of time. Long Lasting Triple Layer Coloured Tank

COLORS: ○

Force

Force represents strength & energy, Extra Heavy Duty. Coloured Triple Layer Tank

COLORS: ○ ●

Lotus

Lotus remains pure & enlightened in sunlight just like the flower lotus.

Highly Durable Premium Quality Coloured Triple Layer Tank

COLORS: ○ ●

Forever

Forever means for all times usage. Highly Durable Superior Quality Coloured Four Layer Tank

COLORS: ○ ●

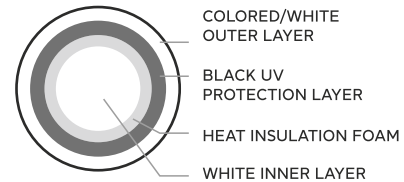


WATER STORAGE TANKS



Forever Foam

Forever Foam means tank for all times. This range has attractive design. These tanks are made of 4 Layers including a foam layer, every layer has a specific purpose.



THREADED LID



UVSP PROTECTOR



FOOD GRADE MATERIAL



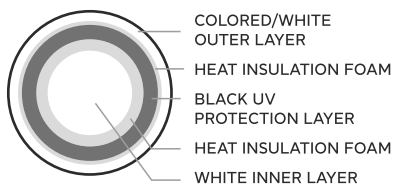
100% VIRGIN MATERIAL

COLORS:  

SIZES: 550L | 750L | 1100L | 1500L | 2000L | 3000L | 5000L

Elephanta Foam

Elephanta Foam symbolises stability & durability. This tank is specially designed to keep your water pure, safe & cool. These tanks are made of 5 Layers including double foam layer.



SUITABLE FOR ALL WEATHER



THREADED LID



UVSP PROTECTOR



FOOD GRADE MATERIAL



100% VIRGIN MATERIAL

COLORS:  

SIZES: 550L | 750L | 1100L | 1500L | 2000L | 3000L | 5000L





Nircon®
TANKS • PIPES • FITTINGS

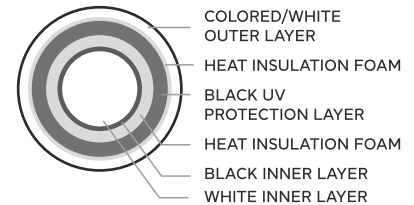
Durable Threaded Lid



Coral

Coral signifies toughness and strong built. This tank is specially designed to keep your water safe & cool. These tanks are made of 6 Layers including double foam layer. Highly durable premium six layer colour tank with foam & UVSP.

6 SIX
LAYER
WITH
DOUBLE
FOAM



COLORS:

SIZES: 550L | 1100L | 2000L

TANK PALLETS

- Easy to Move & Maintain
- Durable & Light Weight
- Quick Installation
- Cost - Effective



SIZES: 550L | 750L | 1100L

UNDERGROUND WATER TANK

SIZE: 2000L

Our Underground Water Storage Tank is a sturdy single moulded piece built to withstand underground pressure. Especially designed for Rain Water Harvesting & Water Storage.

Features

- 100% Virgin Material
- Multi Ribbed Design
- Roto Moulding Manufacturing Design
- 100% UV Stabilised Tank
- Threaded Lid
- Lightweight & Durable
- Maintenance Free
- Rustproof & Hygienic
- Food Grade Plastics



For Installation, guide scan the QR Code

Dimensions for Underground Water Tank:

Capacity (Ltrs)	Diameter (mm)	Height (mm)	Manhole Extension (mm)	Total Height (mm)	Diameter of Manhole (mm)	Number of Manhole
2000	1400	1650	200	1850	400	01

Note: All Dimensions are in mm with process variation of +2.5%





LOFT TANK

Loft tanks are meant for indoor use, where it is normally installed on the loft of the kitchen or bathroom as an emergency water storage tanks.

COLORS: ☐ ☒

SIZES: 125L | 270L | 400L | 500L

Dimensions of Loft Tank:

Capacity (Ltrs)	Length (mm)	Width (mm)	Height (mm)
125	580	580	450
270	1020	710	470
400	1225	960	450
500	1440	990	430

HOUSEHOLD DRUM

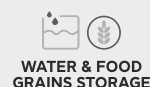
Economic Single Moulded Cylindrical Vertical Water Storage Containers.

COLORS: ☐ ☒

SIZES: 100L | 150L

Dimensions of Household Drum:

Capacity (Ltrs)	Overall Diameter (mm)	Overall Height (mm)	Diameter Manhole (mm)
100	440	730	300
150	500	825	300



GHAMELA

Ghamelas are frequently used in various purpose like: Home, Agriculture, Storage, Construction Sites etc.

SIZES: INCH : 16" | 17" | 18"

Features:



DUSTBINS

Nircon Dustbins especially designed for
Hotel, Offices, Shopping Complex
Multiplex Hall, Shops, Restaurants
Park, Building etc ...

SIZES: 80L | 100L | 120L

Features:



GARDEN PIPES

Nircon Garden Pipe is a flexible tube used for gardening, organic farming at home, constructions sites, industries, & also for cleaning pets, equipment etc.

SIZES: INCH: $\frac{1}{2}$ " | $\frac{3}{4}$ " | 1" | 1 $\frac{1}{4}$ " | 1 $\frac{1}{2}$ "
MM: 15 | 20 | 25 | 32 | 40

LENGTH: 15M | 30M

RANGE: DELTA | AQUA | FORCE

VARIANT: PLAIN | MILKY | TRANSLUCENT | ZEBRA

Features:



KINK & CRACKS
FREE



NO HARMFUL
CHEMICALS



FLEXIBLE &
LEAK PROOF



EASY
HANDLING



DURABLE



CPVC

Advanced Plumbing System for Hot and Cold Water



CPVC PIPES & FITTINGS

Nircon CPVC plumbing system is designed for Hot and Cold water which is suitable for all plumbing and potable water application. It has a proven tolerance for Hot and Cold water performance. Its corrosion resistance property makes it usable in all weather & ensures constant flow over lifetime. This system is used in industrial, residential, commercial and public complexes.

Dimensions for CPVC PIPES:

Nominal Size		SDR-11			
		Wall Thickness (t) in mm		Working Pressure at	
				27°C	82°C
mm	Inch	Min	Max	Kgf/Cm ²	
15	1/2"	1.70	2.20	27.60	6.80
20	3/4"	2.00	2.50	27.60	6.80
25	1"	2.60	3.10	27.60	6.80
32	1 1/4"	3.20	3.70	27.60	6.80
40	1 1/2"	3.80	4.30	27.60	6.80
50	2"	4.90	5.50	27.60	6.80

IS: 15778



Applications:



HOT & COLD
PLUMBING



RESIDENTIAL
PURPOSES



TRANSFERENCE OF
DRINKING WATER



CARRYING
CORROSIVE FLUIDS



INDUSTRIAL
USE

Nircon[®]
TANKS • PIPES • FITTINGS

Features:



CORROSION
RESISTANT



HIGH
STRENGTH



UV
RESISTANT



MAINTENANCE
FREE



SELF
EXTINGUISHING



ELBOW 90°



TEE



COUPLER



RED. COUPLER



BALL VALVE



MAPT



FAPT



END CAP



REDUCING ELBOW



REDUCING TEE



TANK NIPPLE



END PLUG



REDUCING BUSH



UNION



RED. BRASS ELBOW



RED. BRASS TEE



MABT



FABT



REDUCING MABT



REDUCING FABT



SHOE



STEP OVER BEND



SOLVENT

SWR PIPES & FITTINGS

Nircon SWR piping system is an effective solution for Soil, Waste and Rainwater. They have varied application across commercial, industrial, housing & public sector. Our continuous focus towards quality and customer feedback helps us provide innovative SWR solutions in the market. Nircon ensures a leak proof joint and long lasting performance.

O-Ring-Socket (Grooved Socket): Ring type socket at one end. Available in 75mm to 160mm sizes

Selfit SWR PVC Pipes: Available in 75mm to 160mm sizes

Features:



CHEMICAL
RESISTANT



HIGH
STRENGTH



DURABLE



EASY TO
INSTALL



LIGHT
WEIGHT





Dimensions of Ringfit SWR Pipes (All Dimensions in mm) as per IS: 13592

	Mean Outside Diameter		Outside Diameter at any Point		Wall Thickness		Inside Diameter of Socket D		Inside Diameter of Beading	
	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
75 A	75.0	75.3	74.1	75.9	1.8	2.2	75.3	76.4	84.5	85.5
75 B	75.0	75.3	74.1	75.9	3.2	3.8	75.3	76.4	84.5	85.5
110 A	110.0	110.4	108.6	111.4	2.2	2.7	110.4	111.6	120.3	121.3
110 B	110.0	110.4	108.6	111.4	3.2	3.8	110.4	111.6	120.3	121.3
160 A	160.0	160.5	158.0	162.0	3.2	3.8	160.5	161.5	173.8	175.0
160 B	160.0	160.5	158.0	162.0	4.0	4.6	160.5	161.5	173.8	175.0

Dimensions of Selfit SWR Pipes (All Dimensions in mm) as per IS: 13592

	Mean Outside Diameter		Outside Diameter at any Point		Wall Thickness	
	Min	Max	Min	Max	Min	Max
75 A	75.0	75.3	74.1	75.9	1.8	2.2
75 B	75.0	75.3	74.1	75.9	3.2	3.8
110 A	110.0	110.4	108.6	111.4	2.2	2.7
110 B	110.0	110.4	108.6	111.4	3.2	3.8
160 A	160.0	160.5	158.0	162.0	3.2	3.8
160 B	160.0	160.5	158.0	162.0	4.0	4.6

IS: 13592



RING FIT:



PLAIN BEND



DOOR BEND



PLAIN TEE



DOOR TEE



CLEANSING PIPE



PLAIN Y TEE



DOOR Y TEE



SHOE 45°



SOCKET



PLAIN DOOR TEE



DOUBLE DOOR TEE



REDUCER SOCKET



RED. PLAIN TEE



RED. DOOR TEE



RINGS

SELF FIT:



PLAIN BEND



DOOR BEND



PLAIN TEE



DOOR TEE



SHOE 45°



SOCKET



PLAIN Y TEE



DOOR Y TEE



VENT COWL



PIPE CLIP



DOOR CAP



RED. PLAIN TEE



RED. DOOR TEE



RED. SOCKET



NAHANI TRAP



P TRAP



S TRAP



SOLVENT



CONDUIT PIPES & BENDS

Nircon offers high quality uPVC Conduit Pipes that cater to the requirements of numerous sectors and industries. Its smooth interior finish facilitates easy drawing of wires in electrical systems and a host of features that make them an excellent choice for concealed as well as visible wiring.

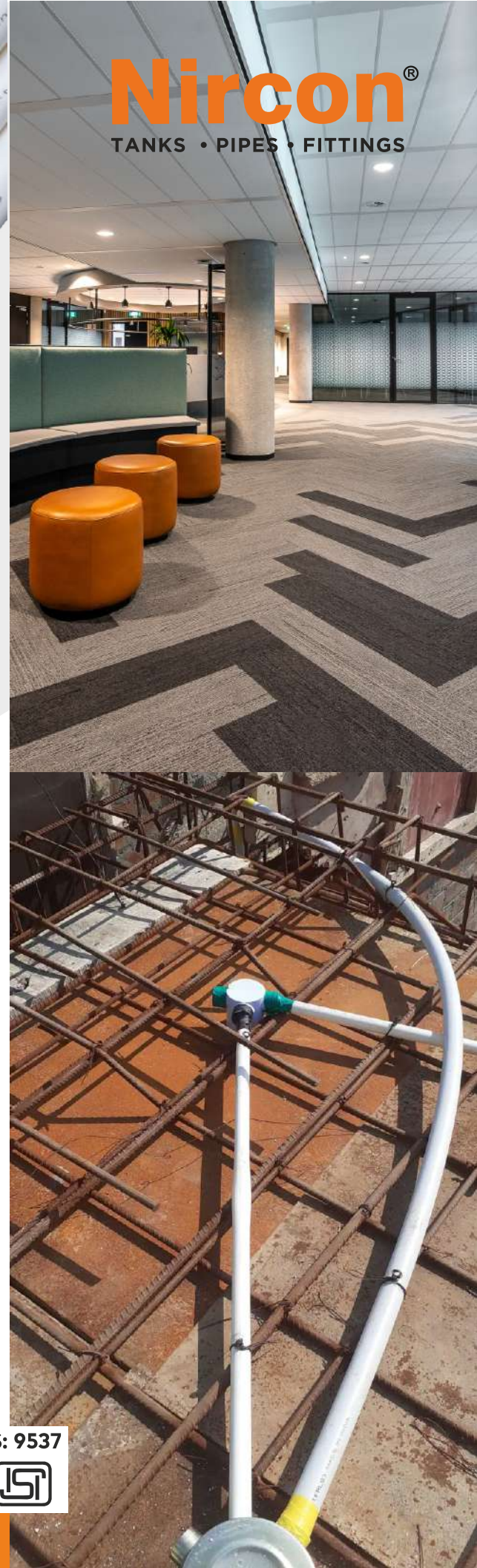
Features:



Dimensions of Conduit Pipes (All Dimensions in mm) as per IS: 9537: 1983 (Part-3)

Nominal Size	Outside Diameter	Tolerance on OD	Inside Diameter (Min)		
			LIGHT	MEDIUM	HEAVY
20	20	-0.3	17.4	16.9	15.8
25	25	-0.4	22.1	21.4	20.6
32	32	-0.4	28.6	27.8	26.6

IS: 9537





AGRICULTURE PIPES & FITTINGS

Agriculture or Rigid Piping Systems are made from highest grade quality resin. These pipes & fittings are mainly used for water supply in agriculture, drip irrigation & sprinkler lines as well as for drinking water distribution. However, these can also be used in cable ducting, ventilation pipe lines & slurry lines etc.



Available in sizes of outer diameter 63 mm to 200 mm in pressure rating of 2.5kg/cm² to 6.0 kg/cm².

Features:



Dimensions of Agriculture Pipes (All Dimensions in mm) as per IS: 4985 : 2021

Nominal Outside Diameter	Mean Outside Diameter		Wall Thickness					
			Class 1 (0.25 Mpa)		Class 2 (0.40 Mpa)		Class 3 (0.60 Mpa)	
	Min	Max	Min	Max	Min	Max	Min	Max
40	40.0	40.3	-	-	-	-	1.4	1.8
50	50.0	50.3	-	-	-	-	1.7	2.1
63	63.0	63.3	-	-	1.5	1.9	2.2	2.7
75	75.0	75.3	-	-	1.8	2.2	2.6	3.1
90	90.0	90.3	1.3	1.7	2.1	2.6	3.1	3.7
110	110.0	110.4	1.6	2.0	2.5	3.0	3.7	4.3
140	140.0	140.5	2.0	2.4	3.2	3.8	4.8	5.5
160	160.0	160.5	2.3	2.8	3.7	4.3	5.4	6.2
180	180.0	180.5	2.6	3.1	4.2	4.9	6.1	7.1
200	200.0	200.6	2.9	3.4	4.6	5.3	6.8	7.9



PLAIN TEE



ELBOW



COUPLER



SHOE 45°



RED. SOCKET



RED. TEE



END CAP



FABRICATED COUPLER

IS: 4985



HDPE COILS & SPRINKLER PIPES

IS: 17425
(Part-2)



Nircon manufactures high quality HDPE Coil Pipes. These pipes are made of high density Poly Ethylene Polymers and offer many advantages over traditional pipes. Nircon HDPE Pipes are available in PE-63, PE-80 and PE-100 and range 20mm to 100mm sizes in pressure ratings of PN-2.5, PN-4.0, PN-6, PN-8 and PN-10.

Nircon also manufactures premium quality HDPE Sprinkler Pipes with various unique advantages as compared to traditional pipes. These are low maintenance, high durability pipes which allow efficient, hassle-free sprinkler set ups.

Features:



CORROSION
RESISTANT



HIGH
STRENGTH



UV
RESISTANT



EASY TO
INSTALL



CHEMICAL
RESISTANT



NON CONDUCTOR
OF HEAT & ELECTRICITY



EASY TO
REPAIR & REPLACE



Dimensions of HDPE Sprinkler Pipe (All Dimensions in mm)

Nominal Size	Outside Diameter	Nominal Tolerance on Outside Diameter	Class 1		Class 2	
			Min.	Max.	Min.	Max.
63	63	+0.6	-	-	2.00	2.40
75	75	+0.7	2.00	2.40	2.50	2.90
90	90	+0.8	2.20	2.60	2.90	3.40
110	110	+1.0	2.70	3.20	3.40	3.90

Application

- Waste Water Distribution
- Portable Water Supply
- Irrigation & Agriculture
- Industrial Effluents
- Sprinkler System
- Tubewells

SPECIFICATION OF HDPE COIL PIPES

Wall Thickness of HDPE Pipes (PE-63) for pressure ratings of IS: 4984-2016 (All Dimensions in mm)

Diameter DN	SDR 33		SDR 21		SDR 13.6		SDR 11	
	PN 2.5		PN 4		PN 6		PN 8	
	Min	Max	Min	Max	Min	Max	Min	Max
20	-	-	-	-	-	-	2.0	2.3
25	-	-	-	-	2.0	2.3	2.3	2.7
32	-	-	-	-	2.4	2.8	3.0	3.4
40	-	-	2.0	2.3	3.0	3.4	3.7	4.2
50	-	-	2.4	2.7	3.7	4.2	4.6	5.2
63	-	-	3.0	3.4	4.7	5.3	5.8	6.5
75	2.3	2.7	3.6	4.1	5.6	6.3	6.9	7.7
90	2.8	3.2	4.3	4.9	6.7	7.5	8.2	9.2
110	3.4	3.9	5.3	6.0	8.1	9.1	10.0	11.1

Wall Thickness of HDPE Pipes (PE-80) for pressure ratings of IS: 4984-2016 (All Dimensions in mm)

Diameter DN	SDR 41		SDR 26		SDR 17		SDR 13.6		SDR 11	
	PN 2.5		PN 4		PN 6		PN 8		PN 10	
	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
16	-	-	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-	2.0	2.3
25	-	-	-	-	-	-	2.0	2.3	2.3	2.7
32	-	-	-	-	2.0	2.3	2.4	2.8	3.0	3.4
40	-	-	-	-	2.4	2.8	3.0	3.4	3.7	4.2
50	-	-	2.0	2.3	3.0	3.4	3.7	4.2	4.6	5.2
63	-	-	2.5	2.9	3.8	4.3	4.7	5.3	5.8	6.5
75	2.0	2.3	2.9	3.3	4.5	5.1	5.6	6.3	6.9	7.7
90	2.2	2.6	3.5	4.0	5.3	6.0	6.7	7.5	8.2	9.2
110	2.7	3.1	4.3	4.9	6.5	7.3	8.1	9.1	10.0	11.1

Wall Thickness of HDPE Pipes (PE-100) for pressure ratings of IS: 4984-2016 (All Dimensions in mm)

Diameter DN	SDR21		SDR 17		SDR 13.6	
	PN 6		PN 8		PN 10	
	Min	Max	Min	Max	Min	Max
16	-	-	-	-	-	-
20	-	-	-	-	-	-
25	-	-	-	-	2.0	2.3
32	-	-	2.0	2.3	2.4	2.8
40	-	-	2.4	2.8	3.0	3.4
50	-	-	3.0	3.4	3.7	4.2
63	-	-	3.8	4.3	4.7	5.3
75	3.6	4.1	4.5	5.1	5.6	6.3
90	4.3	4.9	5.3	6.0	6.7	7.5
110	5.3	6.0	6.5	7.3	8.0	9.1



IS: 4984



PLUMB PIPES

Nircon uPVC Plumbing Pipes are an excellent alternative to GI pipes for water supply. Their smooth bores and non-corrosive constitution allow for quick and continuous supply of water and minimal maintenance costs. These can withstand high pressure and ensure proper hygiene.

Features:

CORROSION
RESISTANT

DURABLE

INERT TO
CHEMICAL

MOISTURE
PROOF

SELF
EXTINGUISHING

WEATHER
RESISTANT



Dimensions of ASTM Heavy Pressure Pipes

Nominal Outside Diameter	Mean Outside Diameter	SCHEDULE 40		SCHEDULE 80	
		Wall Thickness		Wall Thickness	
		Min	Max	Min	Max
1/2	21.24	2.77	3.28	3.73	4.24
3/4	26.57	2.87	3.38	3.91	4.42
1	33.27	3.38	3.89	4.55	5.08
1 1/4	42.03	3.56	4.07	4.85	5.43
1 1/2	48.11	3.68	4.19	5.08	5.69
2	60.17	3.91	4.42	5.54	6.20

Applications:

- uPVC cold water plumbing
- Vertical riser lines and ring lines
- Mainlines for water distribution
- Piping for swimming pools
- Industrial plumbing for chemical (for specified chemicals and cold temp. liquids only)
- RO water systems and DM plants



Quality Control Check

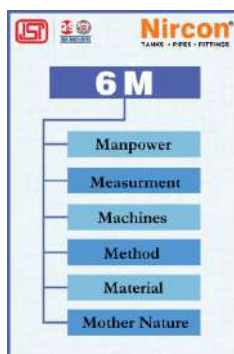


The consistent quality of Nircon products are made possible by an advanced manufacturing facility, equipped with the latest machinery. Nircon has been awarded the ISO 9001:2015 certification for its efficient, streamlined operation and great quality control.

Multi-Level Quality Control Mechanism:

Nircon assures that every product has undergone exhaustive quality analysis at every step of production, to maintain the same world-class quality each time. Some of the mandatory production tests are:

- Visual Appearance
- Dimension
- MFR Test
- Density Test
- CBC & CBD Test
- OIT Test
- Reversion Test
- Tensile Strength & Elongation at break test
- Overall Migration Test
- VST Test
- Opacity Test
- Burning Test
- Resistance to external blow at 0°C (Impact Test)
- Ash Content Test
- Stress Relief Test
- Hydraulic Characteristics (Pressure Test)
- Bending Test
- Compression Test
- Collapse Test
- Heat Resistance Test
- Electrical Characteristics Test
- Flattening Test
- Malfunction Temperature Test



Vision:

To be the most valued and connected company to our customers, partners, co-workers & community & create impact, growth & opportunity for everyone.

Mission:

To constantly improve, build & provide plastic-based plumbing, drainage and water storage solutions to the society for better quality of life.

Our Morals:

Provide positive solutions to our customers by giving high-quality products & services.

Team Work: Our ability to work together as a team is the best way to move towards a common goal. We all are humans & we respect our customers, partners & co-workers .

Integrity: The strength of the company derives from the integrity of its people. We are admired and respected for our commitment, honesty, trust and transparency.

Excellence: Perfection is not attainable, but if we chase perfection, we can catch excellence. Everyday, everything we do, challenge ourselves and work hard.

Relationship: Relationships are the fertile soil from which all advancement, all achievement, all success in real life grows. We build strong partnerships while interacting at all levels.

Sustainability: We practice to increase our environmental responsibilities, concentrating and bringing change for a reasonable future.

हरदम तैयार



Note:

The information in this catalogue is intended to provide general notes on our products and their uses. It should not be constructed as guaranteeing specific properties of the products described or their suitability for a particular application. This statement does not affect the statutory rights of a customer. Due to continuous product development, The specification mentioned in this brochure are subject to change without notice. All sizes and volumes mentioned herein are approximate.

Nircon®
TANKS • PIPES • FITTINGS

Nircon Polymers Pvt. Ltd.

📍 G-681, 692-93, RIICO Ind. Area, Sitapura,

Tonk Road, Jaipur-302022, Rajasthan, INDIA

✉ info@nirconpolymers.com 🌐 www.nirconpolymers.com

📱 /Nirconpolymers

