



RIGID PVC ELECTRICAL CONDUITS,
UPVC PIPES & FITTINGS

SINCE 1991

RIGID PVC CONDUITS & FITTINGS | uPVC PIPES & FITTINGS | CPVC PIPES & FITTINGS | FLEXIBLE CONDUITS
SOLVENT CEMENT | GARDEN & SUCTION HOSES | WATER TANKS



Kerala's 1st ISI certified
Rigid PVC Conduits Manufacturer!



Solve Plastic Products Ltd.
An ISO 9001:2015 Company



South India's 1st ZED Gold
Certified PVC Pipe Brand

MD's Message

At Balco, our core ideology is to deliver the highest quality products that prioritize both safety and sustainability of our valued customers. Our dedicated R&D team works relentlessly to develop solutions that not only meet industry standards but also uphold the social and environmental values we stand for.

We are committed to creating products that symbolize trust, innovation, and responsibility toward future generations. The prestigious ZED recognition we received marks a significant milestone in our journey of setting new benchmarks in the industry. As we move forward, we remain dedicated to excellence, sustainability, and the well-being of our customers and the planet.



Sudheer Kumar B
Managing Director

At BALCO, we are dedicated to delivering the highest quality products that drive success and growth for our partners. As we expand our reach, we invite you to be a part of our journey through distribution partnerships. Together, we can build a future of excellence and contribute to shaping a better tomorrow. With BALCO, you can trust in superior products, innovation, and a commitment to sustainable growth. Let's build a prosperous future together!



Our Mission & Vision

MISSION

Create value and make a positive impact in the lives of our stakeholders by being a responsible corporate entity consistently achieving organisational excellence mirroring Nation's progress and prominence.

VISION

BALCO Brand becomes the benchmark in Plastic Products and secures the pinnacle position in every customer's order of preference.



Listed company

In 2024, BALCO marked a historic milestone by becoming an NSE-listed company, reinforcing our commitment to growth, excellence, and industry leadership. This achievement reflects the trust of our customers and stakeholders in our high-quality electrical and plumbing solutions. As we continue to innovate and uphold transparency, our three-decade legacy drives us to set new benchmarks in the market.


Solve Plastic Products Ltd.

An ISO 9001 : 2015 Company



NSE | Emerge

LISTED COMPANY

The background of the entire page is a photograph of a city skyline, likely Mumbai, India, with several prominent skyscrapers. A large, thick, blue 3D arrow is superimposed over the image, starting from the bottom left and pointing towards the top right, indicating growth and upward movement.

BALCO was listed on the National Stock Exchange on August 21, 2024.

Shaping Excellence for Generations



**South India's
1st ZED Gold
Certified
PVC Pipe
Brand**

BALCO is one among the six ZED Gold certified brands in India's PVC pipe manufacturing sector.



The Trusted Electrical & Plumbing Solutions

BALCO offers a diverse range of electrical and plumbing solutions for residential, commercial, and industrial projects. Our portfolio includes rigid electrical conduits, uPVC and CPVC plumbing pipes, and durable fittings designed for reliability and safety. Manufactured using virgin materials and adhering to industry-leading standards, BALCO products ensure unmatched performance and longevity.

Health-Friendly and Efficient Systems

Our plumbing solutions feature lead-free, health-friendly piping for clean and safe water, while our electrical conduits protect and organize wiring systems with accuracy. Trusted by contractors and builders nationwide, BALCO products stand out for their quality, ease of installation, and environmental compliance.

Innovation, Quality, and Sustainability

As South India's first ZED Gold Certified PVC Pipe brand, BALCO leads in quality and eco-friendly practices. Our future-ready products deliver efficiency, long-term cost savings, and reduced environmental impact. Continuous investment in R&D drives innovation in sustainable materials and specialized high-durability conduits for extreme conditions.

Choose BALCO for trusted solutions that meet today's needs while building a sustainable future.

35+ No.1 In Quality*

Years of Excellence



Unmatched Durability & Safety in Rigid PVC Electric Conduits



SPECIAL FEATURES



Electrical resistance



High Mechanical Strength



Fire retardant



Simple Installation



No plastisizer used



Various Diameters & Grades



Flexible and durable



To avoid duplication
Every pipe is printed
With barcoding technology



Maintenance-Free

Rigid PVC Electric conduits

IS 9537: PART-3
HSN : 39172310



LMS(Light)



MMS(Medium)



HMS(Heavy)



RANGE OF PRODUCTS

(16 mm, 20 mm, 25mm, 32mm, 40 mm, 50 mm, 63 mm)

- 16 mm to 63 mm light mechanical stress conduits
- 16 mm to 50 mm medium mechanical stress conduits
- 16 mm to 50 mm heavy mechanical stress conduits

BALCO electrical conduits and fittings are available in Black & Ivory colours. Other colours are available on request.

Understand our products effortlessly
with our color-coded system.

Conduit Color		LMS Color Code	MMS Color Code	HMS Color Code
Black				
Ivory				

BALCO Electrical Conduits: Unmatched Quality & Reliability

BALCO Electrical Conduits offer unmatched benefits, setting us apart from competitors. Made from high-quality virgin PVC, our conduits are highly durable and resistant to heat, moisture, and chemicals, ensuring long-lasting performance. Unlike others, our products are free from harmful additives, making them safer for both installation and use. Expertly designed bends and fittings ensure easy installation and seamless connections, reducing electrical failures.

BALCO's commitment to industry-leading standards guarantees superior strength, making our conduits the preferred choice for reliable, efficient, and safe electrical installations in any environment.

Available colors

YELLOW



BLUE



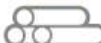
GREEN



RED



WHITE



IVORY



GREY



BLACK



T&C apply: Available Against Order

Rigid PVC

Electric conduits

IS 9537: PART-3



Sl.No	SIZE	STANDARD PACK	
	OD (mm)	Pc x Mtr	Mtr/ Bdl
	LMS (LIGHT MECHANICAL STRESS)		
1	16	100 x 3	300
2	20	100 x 3	300
3	25	50 x 3	150
4	32	25 x 3	75
5	40	20 x 3	60
6	50	10 x 3	30
7	63	10 x 3	30

LMS (Light)



Sl.No	SIZE	STANDARD PACK	
	OD (mm)	Pc x Mtr	Mtr/ Bdl
	MMS (MEDIUM MECHANICAL STRESS)		
1	16	100 x 3	300
2	20	100 x 3	300
3	25	50 x 3	150
4	32	25 x 3	75
5	40	20 x 3	60
6	50	10 x 3	30

MMS (Medium)



Sl.No	SIZE	STANDARD PACK	
	OD (mm)	Pc x Mtr	Mtr/ Bdl
	HMS (HEAVY MECHANICAL STRESS)		
1	16	100 x 3	300
2	20	100 x 3	300
3	25	50 x 3	150
4	32	25 x 3	75
5	40	20 x 3	60
6	50	10 x 3	30

HMS (Heavy)



Special sizes Non-ISI

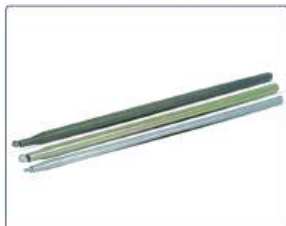
Sl.No	SIZE	STANDARD PACK	
	OD (mm)	Pc x Mtr	Mtr/ Bdl
SPECIAL SIZE CONDUITS (LMS/ MMS/ HMS)			
1	19	100x3	300



Bending spring

HSN CODE : 73201019

Sl.No	SIZE OD (mm)	COLOUR
1	LMS (LIGHT MECHANICAL STRESS)	
	20mm/ 25mm	Silver
2	MMS (MEDIUM MECHANICAL STRESS)	
	20mm/ 25mm	Golden Yellow
3	HMS (HEAVY MECHANICAL STRESS)	
	20mm/ 25mm	Green



TECHNICAL SPECIFICATION AS PER



Make Name:



Nominal Size (mm)	Tolerance on OD(mm)	Inside Diameter(mm)		Wall Thickness(mm)		Outside Diameter for Socket End (mm)	Socketing ID for Socket End (mm)		Socketing Length (mm)	Plain Ended/Socket Ended
		Min	Max	Min	Max		Min	Max		
16 mm LIGHT - LMS	-0.3	13.7	14	1	1.15					Plain Ended
16 mm MEDIUM - MMS	-0.3	13	13.3	1.35	1.5					Plain Ended
16 mm HEAVY - HMS	-0.3	12.2	12.5	1.75	1.9					Plain Ended
20 mm LIGHT - LMS	-0.3	17.4	17.7	1.15	1.3	22.58	20.23	20.28	55	Both
20 mm MEDIUM - MMS	-0.3	16.9	17.2	1.4	1.55	22.93	20.27	20.3	54	Both
20 mm HEAVY - HMS	-0.3	15.8	16.1	1.95	2.1	23.9	20.18	20.22	54	Both
25 mm LIGHT - LMS	-0.4	22.1	22.5	1.25	1.45	27.8	25.29	25.32	55	Both
25 mm MEDIUM - MMS	-0.4	21.4	21.8	1.6	1.8	28.33	25.1	25.32	54	Both
25 mm HEAVY - HMS	-0.4	20.6	21	2	2.2	29.4	25.15	25.34	53	Both
32 mm LIGHT - LMS	-0.4	28.6	29	1.5	1.7	35.34	32.14	32.32	65	Both*
32 mm MEDIUM - MMS	-0.4	27.80	28.20	1.9	2.1	36.22	32.16	32.3	64	Both*
32 mm HEAVY - HMS	-0.4	26.6	27	2.5	2.7	37.38	32.16	32.28	62	Both*
40 mm LIGHT - LMS	-0.4	35.8	36.2	1.9	2.1	44.42	40.18	40.4	74	Both*
40 mm MEDIUM - MMS	-0.4	35.4	35.8	2.1	2.3	44.8	40.16	40.38	74	Both*
40 mm HEAVY - HMS	-0.4	34.4	34.8	2.6	2.8	45.71	40.16	40.34	72	Both*
50 mm LIGHT - LMS	-0.5	45.1	45.6	2.2	2.45	55.24	50.26	50.42	76	Both*
50 mm MEDIUM - MMS	-0.5	44.3	44.8	2.6	2.85	56.02	50.22	50.38	75	Both*
50 mm HEAVY - HMS	-0.5	43.2	43.7	3.15	3.4	56.86	50.24	50.36	74	Both*
63 mm LIGHT - LMS	-0.6	57	57.6	2.7	3	69.02	63.24	63.43	75	Both*

*T&C apply:

16 mm (Light, Medium, Heavy) : We will be offering plain ended pipes only.

20 mm and 25 mm : We will offer both plain ended and socketed pipes.

32 mm, 40 mm, 50 mm, 63 mm : Production for these sizes can be carried out against specific orders.

Quality Analysis



Marking

The marking shall be indecipherable by petroleum spirit.



Dimensions

The inner diameter shall be verified by means of a GO gauge.



Uniformity of wall thickness

The maximum GO shall be measured by means of a GO gauge.



Resistance to Burning

When subject to a high-intensity flame for 30 seconds, the conduit shall not burn by itself after removing the flame.



Electrical Characteristics

The conduits are subject to 2000 V AC by means of the test apparatus. No breakdown shall occur during the test.



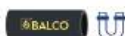
Resistance of Heat

The conduits are tested for insulation at a minimum of 500 mega ohms.



Compression Test

Force in the range of 125 N to 1250 N is applied depending on the class of conduit by means of the compression test apparatus. The dimensions should comply with the standards after the release of compression pressure.



Bending test (at room temperature)

The bending test is conducted by bending with the aid of a spring and test apparatus to 180 degrees. No cracks should appear after the test. Samples cooled up to -5°C are also subject to the same test.



Insulation test

The conduits are tested for insulation at a minimum of 500 mega ohms.

No.1 In Quality*



Rigid PVC Electric Conduit Fittings

HSN : 39174000

Rigid PVC electric conduit fittings are essential components in almost every residential and commercial establishment, particularly for wiring that is exposed or installed outdoors. As a critical safety feature, selecting the right material, size, and fittings based on the installation environment and wiring type is crucial. BALCO Junction Boxes enhance electrical safety and durability, offering superior protection for connections. Made from high-quality, impact-resistant materials, these boxes safeguard internal wiring even in challenging environments. Designed for easy installation and secure fittings, they comply with industry standards, ensuring reliable and long-lasting performance. Seamlessly integrating with BALCO PVC conduits, these junction boxes enhance the safety and efficiency of electrical systems, making them the trusted choice for residential and industrial applications alike.

**BALCO PVC ISI
Fittings**

BALCO®

**BALCO Speed
Non-ISI PVC Fittings**



**BALCO Deluxe
PP Fittings**

**BALCO
DELUXE**

Categories

- Slip Type Coupling Bend
(Long Bend - conforming to IS:3419)
 - Spout Type Circular Box
(Normal Junction Box - 1,2,3,4 Way - conforming to IS:3419)
 - Spout Type Circular Box
(Deep Junction Box - 1,2,3,4 WAY - conforming to IS:3419)
 - Tee
 - Elbow
 - PVC Couplers
 - Adapter
 - Slip Type Coupling Bend (Short Bend)
 - Saddle (Normal / Spacer)
-

BALCO Bend fittings are expertly crafted to deliver seamless and secure connections in electrical installations. Made from high-quality materials, they resist heat, moisture, and corrosion, ensuring long-lasting durability. These bends are designed for smooth directional changes in conduit systems without compromising performance. Easy to install and highly versatile, BALCO bends uphold the integrity of electrical circuits and minimize the risk of failures, making them the perfect choice for both residential and commercial electrical systems.



SPECIAL FEATURES



Electrical resistance



High Mechanical Strength



Fire retardant



Simple Installation



No plastisizer used



Various Diameters & Grades



Flexible and durable



To avoid duplication
Every pipe is printed
With barcoding technology



Maintenance-Free



HSN : 39172310

Rigid PVC Electrical Conduit Fittings - ISI

Terminal - One way (With Lid)



Size	Standard Qty Per Pc.
20mm	50
25mm	40

Terminal - One way Deep (With Lid)



Size	Standard Qty Per Pc.
20mm	40
25mm	30

Through - Two way (With Lid)



Size	Standard Qty Per Pc.
20mm	50
25mm	40

Through - Two way Deep (With Lid)



Size	Standard Qty Per Pc.
20mm	40
25mm	30

Angle - Two way (With Lid)



Size	Standard Qty Per Pc.
20mm	50
25mm	40

Angle - Two way Deep (With Lid)



Size	Standard Qty Per Pc.
20mm	40
25mm	30

Three way (With Lid)



Size	Standard Qty Per Pc.
20mm	50
25mm	40

Three way Deep (With Lid)



Size	Standard Qty Per Pc.
20mm	40
25mm	30

Four way Intersection (With Lid)



Size	Standard Qty Per Pc.
20mm	50
25mm	40

Four way Intersection Deep (With Lid)



Size	Standard Qty Per Pc.
20mm	40
25mm	30

Slip Type Coupling(Long Bend)



Size	Standard Qty Per Pc.
20mm	250
25mm	150

Available Colours : BLACK | IVORY

T&C apply:

Available in different colors, subject to availability and minimum order quantity (MOQ) against order.

Rigid PVC

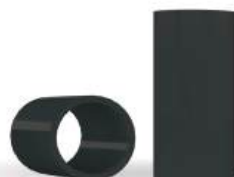
Electric Conduit Fittings - NON ISI



SLIP TYPE Coupling (Short Bend)

Light | Medium | Heavy

Size	Standard Qty Per Pc.
16mm	500
19mm	500
20mm	500
25mm	300
32mm	300
40mm	200
50mm	200



PVC COUPLER

Size	Standard Qty Per Pc.
16mm	500
20mm	250
25mm	150
32mm	100
40mm	100

3/8 PVC FANHOOK JN BOX HANGER

Size	Standard Qty Per Pc.
20mm	50



PVC FEMALE ADAPTOR

Size	Standard Qty Per Pc.
20mm	250
25mm	250
25mm X 20mm	250
25mm X 20mm Multi type Bush Adaptor	250



PVC ROUND TEE

(Coming Soon)

Size	Standard Qty Per Pc.
20mm	250
25mm	100



PVC ROUND ELBOW

(Coming Soon)

Size	Standard Qty Per Pc.
20mm	250
25mm	100



Rigid PVC

Electric Conduit Fittings - NON ISI

Terminal - One way (With Lid)



Size	Standard Qty Per Pc.
20mm	50
25mm	40

Terminal - One way Deep (With Lid)



Size	Standard Qty Per Pc.
20mm	40
25mm	30

Through - Two way (With Lid)



Size	Standard Qty Per Pc.
20mm	50
25mm	40

Through - Two way Deep (With Lid)



Size	Standard Qty Per Pc.
20mm	40
25mm	30

Angle - Two way (With Lid)



Size	Standard Qty Per Pc.
20mm	50
25mm	40

Angle - Two way Deep (With Lid)



Size	Standard Qty Per Pc.
20mm	40
25mm	30

Three way (With Lid)



Size	Standard Qty Per Pc.
20mm	50
25mm	40

Three way Deep (With Lid)



Size	Standard Qty Per Pc.
20mm	40
25mm	30

Four way Intersection (With Lid)



Size	Standard Qty Per Pc.
20mm	50
25mm	40

Four way Intersection Deep (With Lid)



Size	Standard Qty Per Pc.
20mm	40
25mm	30



SADDLE STARP
PVC/ METAL/ POWDER COATED

Size	Box Qty
20mm	144
25mm	144



SPACER SADDLE STARP
METAL POWDER COATED

Size	Box Qty
20mm	144
25mm	144



SPACER SADDLE STARP
METAL

Size	Box Qty
20mm	144
25mm	144

Rigid - Polypropylene Electric Conduit Fittings - NON ISI

Terminal - One way (With Lid)



Size	Standard Qty Per Pc.
20mm	50
25mm	40

Terminal - One way Deep (With Lid)



Size	Standard Qty Per Pc.
20mm	40
25mm	30

Through - Two way (With Lid)



Size	Standard Qty Per Pc.
20mm	50
25mm	40

Through - Two way Deep (With Lid)



Size	Standard Qty Per Pc.
20mm	40
25mm	30

Three way (With Lid)



Size	Standard Qty Per Pc.
20mm	50
25mm	40

Three way Deep (With Lid)



Size	Standard Qty Per Pc.
20mm	40
25mm	30

Angle - Two way (With Lid)



Size	Standard Qty Per Pc.
20mm	50
25mm	40

Angle - Two way Deep (With Lid)



Size	Standard Qty Per Pc.
20mm	40
25mm	30

Four way Intersection (With Lid)



Size	Standard Qty Per Pc.
20mm	50
25mm	40

Four way Intersection Deep (With Lid)



Size	Standard Qty Per Pc.
20mm	40
25mm	30

Available Colours : BLACK | IVORY

T&C apply

BALCO electrical conduits and fittings are available in Black & Ivory colours. Other colours are available on request.



CIRCULAR BOX - ANGLE 2 WAY

Size	Standard Qty Per Pc.
20mm	50
25mm	40



CIRCULAR BOX - U TYPE 2 WAY

Size	Standard Qty Per Pc.
20mm	50



CIRCULAR BOX - H TYPE 4 WAY

Size	Standard Qty Per Pc.
20mm	50



CIRCULAR BOX - Y TYPE 3 WAY

Size	Standard Qty Per Pc.
20mm	50



PP ROUND TEE

Size	Standard Qty Per Pc.
20mm	250
25mm	100













PP ROUND ELBOW

Size	Standard Qty Per Pc.
20mm	250
25mm	100

MAKE: BALCO®

MAKE: BALCO®									
ITEM	A	B	C	D	E	F		G	t
SPOUT TYPE CIRCULAR BOX	All dimensions are in mm								
ISI SPECIFICATION	20	23.0min	17.00±0.25	20.0min	25.0min	14.5 max	13.5 min	60±1.5	1.6min
20MM PVC IN BOX 1 WAY	20	24	17.00±0.1	22.2	26.06	14.2	13.8	60±0.3	2.18
20MM PVC IN BOX 2 WAY	20	24	17.00±0.2	21.98	26	14.3	13.9	60±0.1	2.17
20MM PVC IN BOX 3 WAY	20	23.84	17.00±0.2	22.3	26.1	14.2	13.6	60±0.4	2.1
20MM PVC IN BOX 4 WAY	20	23.8	17.00±0.16	22.5	26.08	14.3	13.7	60±0.6	1.9
ISI SPECIFICATION	20	23.0min	17.00±0.25	20.0min	25.0min	14.5 max	13.5 min	60±1.5	1.6min
20MM PVC DEEP IN BOX 1 WAY	20	24	17.00±0.1	22.2	26.3	14.2	13.8	60±0.3	2.1
20MM PVC DEEP IN BOX 2 WAY	20	24	17.00±0.2	21.98	26.3	14.3	13.9	60±0.1	2.14
20MM PVC DEEP IN BOX 3 WAY	20	23.84	17.00±0.2	22.3	26.4	14.2	13.6	60±0.4	2.12
20MM PVC DEEP IN BOX 4 WAY	20	23.8	17.00±0.16	22.5	26.3	14.3	13.7	60±0.6	1.98
ISI SPECIFICATION	25	29.5min	22.75±0.25	23.0min	28.0min	17.5 max	16.5 min	60±1.5	1.6min
25MM PVC IN BOX 1 WAY	25	30.4	22.75±0.2	25.8	32.28	17.3	16.7	60±1.0	2.02
25MM PVC IN BOX 2 WAY	25	30.3	22.75±0.21	25.9	32.26	17.2	16.6	60±1.0	1.98
25MM PVC IN BOX 3 WAY	25	30.1	22.75±0.2	25.6	32.2	17.2	16.8	60±1.0	1.96
25MM PVC IN BOX 4 WAY	25	29.7	22.75±0.2	25.4	32.2	17.2	16.7	60±0.6	2.04
ISI SPECIFICATION	25	29.5min	22.75±0.25	23.0min	28.0min	17.5 max	16.5 min	60±1.5	1.6min
25MM PVC DEEP IN BOX 1 WAY	25	30.4	22.75±0.2	25.8	35.9	17.3	16.7	60±1.0	2.02
25MM PVC DEEP IN BOX 2 WAY	25	30.3	22.75±0.21	25.9	35.6	17.2	16.6	60±1.0	1.98
25MM PVC DEEP IN BOX 3 WAY	25	30.1	22.75±0.2	25.6	35.8	17.2	16.8	60±1.0	1.96
25MM PVC DEEP IN BOX 4 WAY	25	29.7	22.75±0.2	25.4	35.7	17.2	16.7	60±0.6	2.04
ITEM SLIP TYPE COUPLING BEND		Outside Diameter OF Bend	Minimum Inside Diameter of Bend	Inside Diameter of Bend	R	R	L		
ISI SPECIFICATION	20	20±0.3	16.9	20.1±0.2	65	115	35		
20MM MEDIUM PVC LONG BEND	20	20±0.28	17	20.1±0.1	65	115	36		
ISI SPECIFICATION	25	25±0.3	21.3	25.1±0.3	90	160	35		
25MM MEDIUM PVC LONG BEND	25	25±0.27	21.4	25.1±0.2	90	160	36		

Quality analysis

 <p>Visual examination</p>	 <p>Resistance to impact</p>	 <p>Checking of dimensions</p>	 <p>Resistance to oil</p>
 <p>Copper test</p>	 <p>Resistance to chemical action</p>	 <p>Resistance to heat</p>	 <p>Moisture absorption test</p>
 <p>Resistance to burning</p>	 <p>Electrical characteristics</p>		



UPVC PIPES (Water Pipes)

BALCO uPVC Water Pipes are designed for superior durability and performance in water distribution systems. Made from high-quality virgin materials, these pipes offer resistance to corrosion, chemicals, and extreme weather conditions.

With their smooth inner surface, they ensure minimal friction, enhancing the flow of water. Easy to install and maintenance-free, BALCO uPVC pipes provide a long-lasting, reliable solution for residential, commercial, and industrial applications, ensuring safe and efficient water supply systems.

Marking color

Class of Pipe Color		
2.5 Kg/CM ²	(Class 1)	Red
4 Kg/CM ²	(Class 2)	Blue
6 Kg/CM ²	(Class 3)	Green
8 Kg/CM ²	(Class 4)	Brown
10 Kg/CM ²	(Class 5)	Yellow
12.5 Kg/CM ²	(Class 6)	Black
Plumbing Pipe		Pink



SPECIAL FEATURES



Easy to install



Non-toxic



High thermal stability



Time-Tested
Reliability



Excellent for portable
water management



Hygienic
Supply



Versatile
Size Options



UV stabilized and
maximum flow rate



Zero Lead



Exceptional quality
and durability



Health
friendly

BALCO uPVC WATER PIPES

- BALCO uPVC pipes meet all the requirements as per IS:4985:2021
- Manufactured from virgin raw materials.
- Offers entire range of plain and socketed pipes of classes 1, 2, 3, 4, 5, 6, and plumbing pipes.
- Prevents bacterial growth inside the pipe.
- BALCO uPVC pipes have been proved to maintain the natural purity of water as provided by mother nature.
- The lead content in BALCO pipes is much less than the limit prescribed by the Bureau of Indian Standards and one of the lowest when compared with other brands.
- Pipes are long-lasting and have a very long life.
- High thermal stability both at low and high temperatures.
- High strength-to-weight ratio.
- Resistance to Corrosion
- High Impact Strength
- Excellent tensile strength.

BALCO uPVC Pipes As per IS 4985:2021							
Outside Diameter (mm)	Class 1 2.5 Kg/cm ²	Class 2 4 Kg/cm ²	Class 3 6 Kg/cm ²	Class 4 8 Kg/cm ²	Class 5 10 Kg/cm ²	Class 6 12.5 Kg/cm ²	Plumbing
20					✓	✓	✓
25				✓	✓	✓	✓
32				✓	✓	✓	✓
40			✓	✓	✓	✓	✓
50			✓	✓	✓	✓	✓
63		✓	✓	✓	✓	✓	
75		✓	✓	✓	✓	✓	
90	✓	✓	✓	✓	✓	✓	
110	✓	✓	✓	✓	✓	✓	
140	✓	✓	✓				
160	✓	✓	✓				
180	✓	✓	✓				
200	✓	✓	✓				

*We also provide BALCO Non-ISI pipes, and Sanilight pipes, available in all sizes to meet all your plumbing requirements. The marking colour will be in white.

Dimensions of unplasticized PVC Pipes as per IS 4985: 2021 (All dimensions are in mm)

Nominal Outside Diameter	Tolerance on Outside Diameter	Class 1 (2.5 kg/cm ²)		Class 2 (4 kg/cm ²)		Class 3 (6 kg/cm ²)		Class 4 (8 kg/cm ²)		Class 5 (10 kg/cm ²)		Class 6 (12.5 kg/cm ²)		Plumbing Pipes	
		Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
20	+0.3									1.1	1.5	1.4	1.8	2.8	3.3
25	+0.3							1.2	1.6	1.4	1.8	1.7	2.1	2.9	3.4
32	+0.3							1.5	1.9	1.8	2.2	2.2	2.7	3.4	3.9
40	+0.3					1.4	1.8	1.8	2.2	2.2	2.7	2.8	3.3	3.6	4.2
50	+0.3					1.7	2.1	2.3	2.8	2.8	3.3	3.4	4.0	3.7	4.3
63	+0.3			1.5	1.9	2.2	2.7	2.8	3.3	3.5	4.1	4.3	5.0		
75	+0.3			1.8	2.2	2.6	3.1	3.4	4.0	4.2	4.9	5.1	5.9		
90	+0.3	1.3	1.7	2.1	2.6	3.1	3.7	4.0	4.6	5.0	5.7	6.1	7.1		
110	+0.4	1.6	2.0	2.5	3.0	3.7	4.3	4.9	5.6	6.1	7.1	7.5	8.7		
140	+0.5	2.0	2.4	3.2	3.8	4.8	5.5								
160	+0.5	2.3	2.8	3.7	4.3	5.4	6.2								
180	+0.6	2.6	3.1	4.2	4.9	6.1	7.1								
200	+0.6	2.9	3.4	4.6	5.3	6.8	7.9								

Quality Analysis



Visual Appearance

Color Light grey. Both inner and outer surfaces shall be smooth.



Dimensions Check

Wall thickness, length, outside diameter, mean outside diameter, bell-end dimensions, etc., should comply with IS standards (IS 4985:2021).



Opacity Test

Does not pass more than 0.2% of falling light.



Effect on Water

Lead, Dieldhyl tin C4, and other toxic substances shall be within the prescribed limit.



Reversion Test

The change in length shall be $\pm 5\%$.



Vicat Softening Temperature Test

The penetration shall not exceed 1 mm at 80°C.



Internal Hydrostatic Pressure Test (Type)

The pipe shall not burst at a test pressure of 1.16 times its working pressure, applied at an elevated temperature of 60°C for 1,000 hours.



Sulphated Ash Content Test

Ash content shall be below 11%.



Internal Hydrostatic Pressure Test (Acceptance)

The pipe shall not burst at a test pressure of 4.19 times its working pressure, applied at 27°C for 1 hour.



Resistance to External Blows at 0°C

The true impact rate shall be below 10%.



Density

1.4–1.46 g/cm³.

uPVC (Unplasticized Poly Vinyl Chloride)

Water Pipes Fittings

IS 7834
HSN : 39172910



BALCO uPVC Pipe Fittings are crafted for secure, leak-proof connections in water distribution systems. Made from high-quality, corrosion-resistant materials, they ensure longevity and optimal performance. With precise engineering, these fittings offer easy installation and maintenance, providing a reliable solution for both residential and industrial plumbing needs. Their durability and seamless compatibility with uPVC pipes make them ideal for ensuring efficient water flow and enhancing the overall system's safety and performance.

uPVC - Unplasticized Poly Vinyl Chloride

PVC Water Pipe Fittings

They are used in just about every residential and commercial establishment, especially for wiring that is either exposed, or fitted outdoors. Since they are essentially a safety feature, you should select the material, size and fittings based on the environment of the installation and the type of wiring it'll be housing.

Advantages of BALCO uPVC Pipe Fittings

- **High Durability** – Made from premium virgin materials for long-lasting performance.
- **Leak-Proof Joints** – Precision-engineered fittings for a secure and reliable connection.
- **Easy to Install** – Simplifies handling and installation, reducing labor costs.
- **Chemical & UV Resistant** – Withstands harsh environments for superior longevity.
- **Smooth Internal Surface** – Ensures better flow efficiency and minimizes friction loss.
- **Eco-Friendly & Non-Toxic** – Safe for potable water and sustainable for the environment.
- **Cost-Effective** – Low maintenance and long service life save costs in the long run.
- **Industry-Standard Certified** – Meets rigorous quality and safety standards.
- **Versatile Applications** – Suitable for plumbing, irrigation, and industrial use.

SPECIAL FEATURES



Easy to install



Non-toxic



High thermal stability



Time-Tested
Reliability



Excellent for portable
water management



Hygienic
Supply



Versatile
Size Options



UV stabilized and
maximum flow rate



Zero Lead



Exceptional quality
and durability



Health
friendly



BALCO uPVC ELBOW



Size	Pressure Class	Standard Qty Per Pc.
25MM	Class 5 (10 Kg/cm ²)	100
32MM	Class 5 (10 Kg/cm ²)	70
75MM	Class 3 (6 Kg/cm ²)	80
90MM	Class 3 (6 Kg/cm ²)	45
110MM	Class 3 (6 Kg/cm ²)	38

BALCO uPVC TEE



Size	Pressure Class	Standard Qty Per Pc.
25MM	Class 5 (10 Kg/cm ²)	70
32MM	Class 5 (10 Kg/cm ²)	40
75MM	Class 3 (6 Kg/cm ²)	50
90MM	Class 3 (6 Kg/cm ²)	46
110MM	Class 3 (6 Kg/cm ²)	26

BALCO uPVC END CAP



Size	Pressure Class	Standard Qty Per Pc.
25MM	Class 5 (10 Kg/cm ²)	200
32MM	Class 5 (10 Kg/cm ²)	150

BALCO uPVC COUPLER



Size	Pressure Class	Standard Qty Per Pc.
25MM	Class 5 (10 Kg/cm ²)	100
32MM	Class 5 (10 Kg/cm ²)	100

BALCO uPVC REDUCER (NON ISI)



Size	Pressure Class	Standard Qty Per Pc.
25 X 20 MM	Class 5 (10 Kg/cm ²)	150
32 X 25 MM	Class 5 (10 Kg/cm ²)	100

Quality
Analysis



visual examination



Dimensions



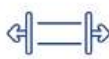
Opacity



Effect on Water



Short-term
Hydraulic Test



Stress Relief Test

CPVC

Water Pipes & Fittings

BALCO CPVC Pipes & Fittings – Durable, Reliable, and Efficient

BALCO CPVC pipes and fittings are engineered to deliver superior performance for both hot and cold water applications. Designed to withstand temperatures ranging from 0°C to 95°C, they ensure durability and long-term reliability in all weather conditions.

Advantages of BALCO CPVC Pipe Fittings

- High Temperature Resistance – Can withstand hot water up to 93°C, making it ideal for plumbing applications.
- Superior Durability – Made from premium CPVC material for long-lasting performance.
- Corrosion & Chemical Resistant – Does not rust, scale, or react with harsh chemicals.
- Leak-Proof Joints – Engineered for secure and reliable connections, preventing water wastage.
- Smooth Internal Surface – Ensures better water flow with minimal pressure loss.
- Fire Retardant – Self-extinguishing properties add extra safety.
- Lightweight & Easy to Install – Reduces labor costs and installation time.
- Safe for Drinking Water – Certified non-toxic and free from harmful substances.
- Low Maintenance & Cost-Effective – Long service life reduces overall costs.
- Industry-Certified Quality – Meets rigorous safety and performance standards.

SPECIAL FEATURES



Corrosion
Resistance



Unaffected By
Chlorine In Water



Lowerbacterial
Growth



Hot water
Compatible



Np Scale, Pit Or
Leach Formation



Low Thermal
Expansion



Easy Plumbing
Process



Fire Safety



Strong &
Durable Material



Approved
World Wide

CPVC Cold & Hot water Pipes

(Chlorinated Polyvinyl Chloride)

IS:15778



HSN : 39172390

cPVC Pipes SDR 13.5			
N.B.	N.B.	Standard Pack	
mm.	Inch	In 3Mtr	Mtr/Bdl
20	3/4"	50 X 3	150
25	1"	30 X 3	90



cPVC Pipes SDR -11			
N.B.	N.B.	Standard Pack	
mm.	Inch	Pc XMtr	Mtr/Bdl
20	3/4"	50 X 3	150
25	1"	30 X 3	90



CPVC Cold & Hot water Pipes Fittings

As per ASTM D 2846 (SDR 11)

HSN : 39172910

Reducer Brass Elbow		
mm	Inch	Standard Qty Per Pc
20X15	3/4"x1/2"	60
25X15	1"x1/2"	25



Reducer Brass Tee		
mm	Inch	Standard Qty Per Pc
20X15	3/4"x1/2"	30
25X15	1"x1/2"	25



Brass FTA		
mm	Inch	Standard Qty Per Pc
20X15	3/4"x1/2"	50
25X15	1"x1/2"	40



Brass MTA		
mm	Inch	Standard Qty Per Pc
20X15	3/4"x1/2"	30
25X15	1"x1/2"	30



Coupler		
mm	Inch	Standard Qty Per Pc
20	3/4"	100
25	1"	70



Elbow 90°		
mm	Inch	Standard Qty Per Pc
20	3/4"	100
25	1"	40



Tee		
mm	Inch	Standard Qty Per Pc
20	3/4"	50
25	1"	35



FTA (Female threaded adaptor)

N.B.	N.B.	Standard Qty Per Pc.
mm.	Inch	
20	¾"	100
25	1"	60

**MTA (Male threaded adaptor)**

N.B.	N.B.	Standard Qty Per Pc.
mm.	Inch	
20	¾"	100
25	1"	75

**Elbow 45°**

N.B.	N.B.	Standard Qty Per Pc.
mm.	Inch	
20	¾"	100
25	1"	40

**End Cap**

N.B.	N.B.	Standard Qty Per Pc.
mm.	Inch	
20	¾"	150
25	1"	100





Quality Matters for Healthy Water, Store Well, Stay Well

HDPE 3 layer Water Tanks

BALCO Water Tanks are built for durability and reliability, providing efficient storage solutions for both residential and industrial applications. Made from high-quality, UV-resistant materials, they are designed to withstand harsh environmental conditions and prevent contamination. These tanks offer long-lasting performance, ensuring a clean, and safe water supply. Easy to install and maintain, BALCO Water Tanks are available in various sizes to suit diverse needs, making them a trusted choice for secure water storage.

We understand the importance of clean and pure water for your daily needs. And we are proud to present our range of high-quality water tanks, designed to keep your water safe and pure for extended period. We prioritize your well-being and have carefully chosen materials that do not pose any harm to your health.

Our water tanks are built with care, and expertise, offering exceptional quality and reliability. With a focus on durability and safety, we ensure that your water remains pure and untainted. Our water tanks are engineered to be algae-free, preventing the growth of harmful microorganisms. The advanced anti-algae technology keeps your water fresh and clean. Additionally, our tanks are corrosion-resistant, ensuring the longevity of the tank even in harsh environments. you can trust that your water will remain at an optimal temperature regardless of the climate. Our tanks are designed to withstand extreme heat, ensuring that the stored water remains cool and refreshing. we prioritize your health and well-being. Our water tanks have undergone rigorous testing to ensure they meet the highest safety standards. We use materials that are free from any harmful substances, guaranteeing that the water stored in our tanks remains safe for consumption.

Algae-Free

Our water tanks are specifically engineered to prevent the growth of algae, ensuring crystal-clear water at all times.



Keeps water fresh for Long Days



Reduces Odour formation

Corrosion-Resistant

With superior corrosion resistance, our tanks are built to withstand the test of time, ensuring durability and longevity.



Highly UV Stabilized to retard the sunlight



Heat resistance

Heat-Resistant

Our tanks are designed to withstand extreme temperatures, making them suitable for all climates, from scorching summers to freezing winters.



Virgin Food Grade



Three Layer Super Strong



Anti-algae layer



Air tight Threaded Lid

Tested and Proven

Our products have gone through rigorous testing, guaranteeing their reliability and performance.

Choose from a range of capacities to suit your specific requirements

500 Liters

Perfect for smaller households or as an additional storage unit.

750 Liters

Ideal for medium-sized households, providing ample water storage.

1000 Liters

Designed for larger households or commercial use, ensuring an abundant water supply.

1500 Liters

Designed for larger households or commercial use, ensuring an abundant water supply.

2000 Liters

Designed for larger households or commercial use, ensuring an abundant water supply.

We believe in offering versatility along with functionality. Our water tanks are available in three attractive options to match your aesthetic preferences



Pearl White

Add a touch of elegance and sophistication with our pearl white option, bringing a touch of modernity to your space.



Standard Black

A classic and timeless choice that blends seamlessly with any surroundings.



Balco Blue

Make a statement with our vibrant Balco blue, creating a visually appealing focal point.

Solvent Cement

HSN : 35061000

BALCO Solvent Cement is specifically formulated for strong, reliable bonds in uPVC and other piping systems. It ensures quick and durable connections, creating a leak-proof seal between pipes and fittings. Easy to apply, this solvent cement is designed to withstand pressure and temperature variations, making it ideal for both residential and industrial plumbing applications. With its high bonding strength and resistance to chemicals, BALCO Solvent Cement guarantees the integrity and longevity of plumbing systems.



BALCO BOND	
Quantity	Packing Qty
50 ml	30/60
100 ml	20
250 ml	10

*Custom Quantity available based on requirement



BALCO Garden & Suction Hoses

HSN : 39173000

BALCO Hoses are designed for superior flexibility and durability in various applications. Made from high-quality materials, they provide resistance to wear, pressure, and environmental factors, ensuring long-lasting performance. Ideal for both industrial and domestic uses, BALCO hoses are reliable for fluid transfer, irrigation, and other tasks that require a robust, flexible solution. Their ease of use, coupled with excellent resistance to chemicals and extreme temperatures, makes them a reliable choice for trusted and efficient performance.



Garden Hose	
Nominal Sizes (Inch)	Length
1/2"	30 Mtr
3/4"	30 Mtr

Suction Hose	
	Length
1"	30 Mtr



HDPE CORRUGATED FLEXIBLE CONDUITS

HSN : 39173100

BALCO Corrugated Pipes are available in two elegant color options: Black and Ivory, catering to both functional and aesthetic requirements. The Black option offers a sleek, modern look, ideal for installations where durability and a clean appearance are paramount. The Ivory variant provides a subtle, sophisticated finish, making it perfect for applications requiring a seamless blend with light-colored interiors. These options reflect BALCO's commitment to combining quality and style, ensuring customers have the versatility to choose pipes that meet their specific needs while maintaining industry-leading standards.



CORRUGATED FLEXIBLE CONDUIT PIPES

Size	16 mm	20 mm	25 mm	32 mm	50 mm
Length	50 Mtr	50 Mtr	25 Mtr	25 Mtr	10 Mtr

Colour Options Available : Ivory | White | Grey | Black

Our clients | Our impact

At BALCO, our clients range from residential to industrial sectors, each benefiting from our high-quality, durable products. We have made a significant impact by providing reliable solutions for electrical, plumbing, and water systems, ensuring efficiency, safety, and long-lasting performance. Our commitment to industry-leading standards has earned the trust of professionals across India, reinforcing BALCO's reputation for excellence and innovation. We continue to drive positive change by meeting the needs of our clients and enhancing their operations with superior products.



Achievements & Certifications of BALCO Pipes



Achievements:

30+ Years of Excellence:

Trusted by professionals across the industry for over three decades.

National Expansion:

Successful distribution network spanning Karnataka, Tamil Nadu, Kerala, Telangana, and more states across India.

Innovative Product Range:

Introduction of health-friendly, lead-free uPVC potable water pipes, setting a benchmark in safety and reliability.

Recognition in Quality:

Consistently appreciated by BIS India and other regulatory bodies for maintaining exceptional quality standards.

Expo Participation:

Regular participant in national expos, showcasing cutting-edge piping solutions and expanding brand presence.

Certifications:

BIS Certification:

Recognized by the Bureau of Indian Standards for adherence to stringent quality benchmarks.

ZED Certification:

Four manufacturing units certified Gold under the Zero Effect Zero Defect scheme, ensuring sustainable and efficient production practices. BALCO is one among the six ZED Gold certified brands in India's PVC pipe manufacturing sector.

ISO Standards:

ISO-certified for manufacturing and management practices, reflecting global quality and reliability.

Eco-Friendly Commitment:

Certifications for using virgin materials, minimal fillers, and avoiding harmful substances like plasticizers.





Let's Build Together!

BALCO is offering exciting Distribution Partnerships as part of our expansion plans across India. We are looking for reliable and motivated partners who share our commitment to providing high-quality products in the electrical and plumbing sectors. This partnership opportunity will enable distributors to offer top-tier BALCO products, backed by our industry-leading standards and certifications. Join us in creating strong, lasting connections with customers and contributing to a successful business growth journey. Let's grow together with BALCO!

As part of our expansion, we are seeking dedicated partners to join us in providing high-quality electrical and plumbing solutions. This partnership presents a unique opportunity to grow with BALCO, offering industry-leading products and excellent support. Let's collaborate to build a successful future together. Terms and conditions apply.

Join hands with us through our distribution partnership and pave the way for a quality-driven future. With our superior products and promising growth prospects, let's work together to strengthen your business and contribute to the nation's progress.

Partner With Us





RIGID PVC ELECTRICAL CONDUITS,
UPVC PIPES & FITTINGS

SINCE 1991

Kerala's 1st ISI certified
Rigid PVC Conduits Manufacturer



Solve Plastic Products Ltd.
An ISO 9001 : 2015 Company



South India's 1st ZED Gold
Certified PVC Pipe Brand



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No.1 In Quality*



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FACTORIES AT : PUNALUR | EDAMON | KANNUR | SHENKOTTAI

CIN : U25209KL1994PLC008231