

# PARAS<sup>®</sup>

*Complete Solution of*

- ▲ *Plumbing System*
  - ▲ *Drainage System*
  - ▲ *Water Management*
- Under One Roof*



# About **PARAS GROUP**

A dynamic, professional & progressive group established in 1968 & having a legacy of more than 56 years. The group believes in empowering & delegating to scale new heights. It has a presence throughout India with a strong, dedicated & loyal chain of distributors & dealers. It is managed by a team rich with 3 generations - experienced as well as flexible & open to modern technology & management skills.

We believe in offering solutions under one roof with continued focus on customer & proactive initiatives. We believe in long term healthy & mutually beneficial association with all business associates and a open, transparent & conducive working environment for all.

Expansion, Diversification, Upgradation is an ongoing process focused at optimum utilisation of resources, generating & conserving power and striving to be the first choice to the customers.



**56** Years of Legacy



**9** Plants with 21 Lacs sq.feet production area



**1000+** Employees



**500+** Distributors



**35000+** Retailers



**1900+** Product Range



**10+** Countries Export



**7500+** MT Per/Month Polymer Processing Capacity



Maharashtra Mahabrand 2022 Business Excellence Award



**PAN INDIA** Presence



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**PARAS**<sup>®</sup>

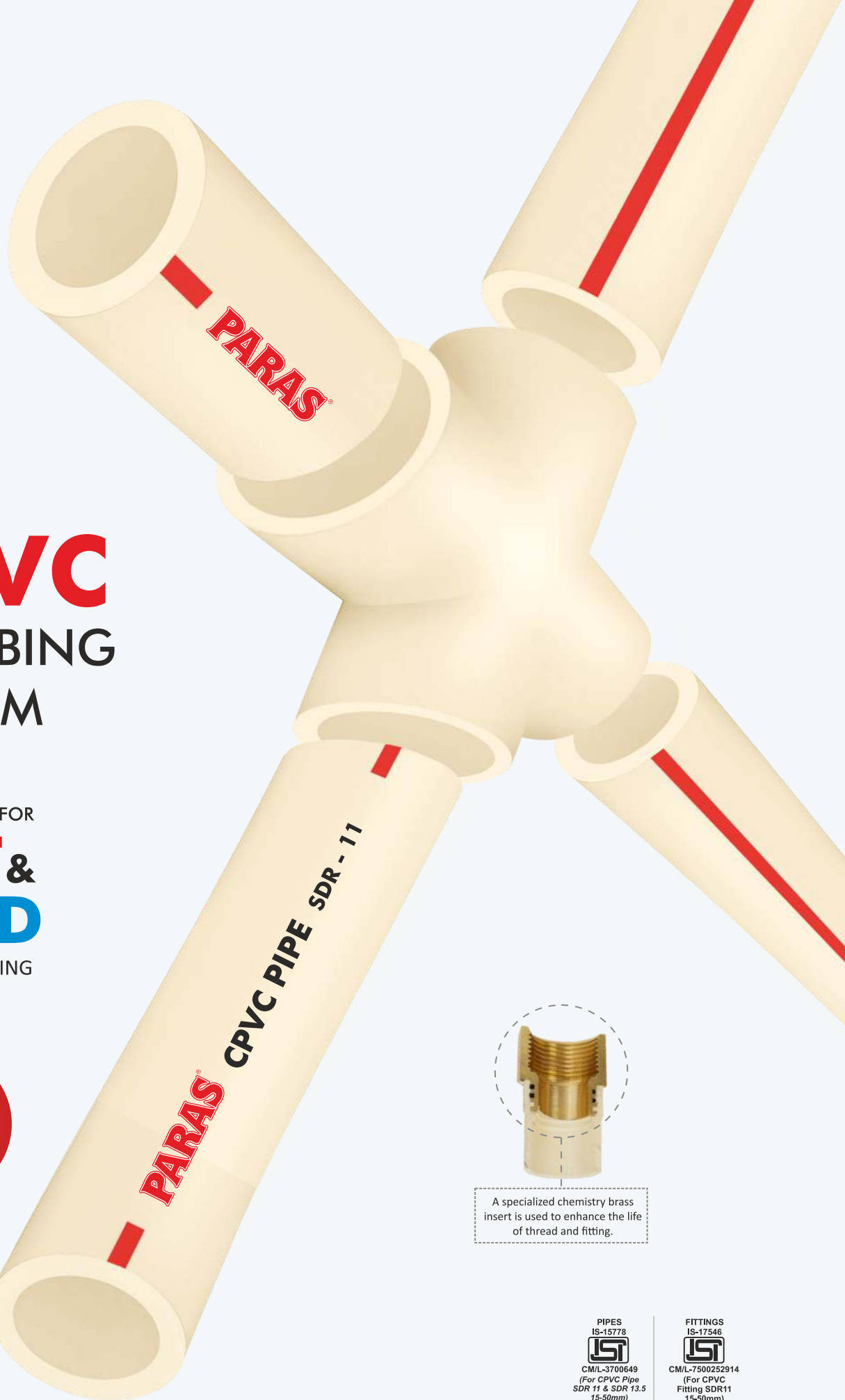
# CPVC PLUMBING SYSTEM

RIGHT CHOICE FOR

**HOT &  
COLD**

WATER PLUMBING  
SYSTEM

Higher  
Temperature  
Resistance  
up to 95°C



A specialized chemistry brass insert is used to enhance the life of thread and fitting.

PIPES  
IS-15778  
  
CM/L-3700649  
(For CPVC Pipe  
SDR 11 & SDR 13.5  
15-50mm)

FITTINGS  
IS-17546  
  
CM/L-7500252914  
(For CPVC  
Fitting SDR11  
15-50mm)



# PERFORMANCE BENEFITS



- CPVC Pipe in SDR-11 & SDR 13.5 Conform to IS 15778
- CPVC Pipe in Sch. 40& 80 as per ASTM F 441
- CPVC Fitting is 17546 & Sch. 80 as per ASTM D 2846 / ASTM F 439



## TEST CONDUCTED FOR THE PIPE :

- Dimensional Test :**  
To ensure that all dimensions confirm to appropriate standards.
- Flattening Test :**  
Sample pipes are compressed to check that despite compression, pipes do not crack.
- Burst Pressure Test :**  
Ensure maximum internal pressure to be over three times normal pressure rating for the pipes
- Drop Impact Test :**  
Ensures rated weights are dropped on to the pipes, without cracks or failures.
- Heat Reversion Test :**  
Ensures permitted residual stresses are only left in pipes after the pipe is produced.

## TEST CONDUCTED FOR THE FITTINGS :

- Dimensional Test :**  
Ensures Correctness of dimensions for wall thickness, socket diameters and sockets depths as per relevant standards.
- Burst Pressure Test :**  
Ensures maximum burst pressure of fitting must be over three times the normal pressure rating.

## AREAS OF APPLICATIONS :

- Residential Apartments
- Villas and Individual Homes
- Office Complexes
- Hotels
- Hospitals

**DIMENSIONS AND WATER PRESSURE RATING AT 27°C & 82°C FOR CPVC PIPES AS PER IS : 15778**

Nominal Size		Outside Diameter (mm)	SDR 11				SDR 13.5					
			Wall Thickness (mm)	Pressure Rating. PSI (kg/cm <sup>2</sup> )				Wall Thickness (mm)	Pressure Rating. PSI (kg/cm <sup>2</sup> )			
				80.6°F (27.0°C)	(179.6°F)	(82°C)	80.6°F (27.0°C)		(179.6°F)	(82°C)		
½ (inch)	(15)	15.9 ± 0.08	1.73 + 0.51	392.56 (27.6)	96.71 (6.8)	1.40 + 0.51	310.06 (21.8)	78.22 (5.5)				
¾ (inch)	(20)	22.2 ± 0.08	2.03 + 0.51	392.56 (27.6)	96.71 (6.8)	1.65 + 0.51	310.06 (21.8)	78.22 (5.5)				
1 (inch)	(25)	28.6 ± 0.08	2.59 + 0.51	392.56 (27.6)	96.71 (6.8)	2.12 + 0.51	310.06 (21.8)	78.22 (5.5)				
1¼ (inch)	(32)	34.9 ± 0.08	3.18 + 0.51	392.56 (27.6)	96.71 (6.8)	2.59 + 0.51	310.06 (21.8)	78.22 (5.5)				
1½ (inch)	(40)	41.3 ± 0.10	3.76 + 0.51	392.56 (27.6)	96.71 (6.8)	3.06 + 0.51	310.06 (21.8)	78.22 (5.5)				
2 (inch)	(50)	54.0 ± 0.10	4.90 + 0.58	392.56 (27.6)	96.71 (6.8)	4.00 + 0.58	310.06 (21.8)	78.22 (5.5)				

\* For ½" wall thickness minimum is not a function of SDR.

**DIMENSIONS AND WATER PRESSURE RATING AT 23°C & 82°C FOR CPVC PIPES AS PER ASTM F 441**

Nominal Size		Outside Diameter (mm)	SCH. 40				SCH. 80					
			Wall Thickness (mm)	Pressure Rating. PSI (kg/cm <sup>2</sup> )				Wall Thickness (mm)	Pressure Rating. PSI (kg/cm <sup>2</sup> )			
				73.4°F (23°C)	180°F (82°C)	73.4°F (23°C)	180°F (82°C)					
2½ (inch)	(65)	73.0 ± 0.18	5.16 + 0.61	300 (20.0)	75 (5.17)	7.01 + 0.84	420 (29.0)	105 (7.24)				
3 (inch)	(80)	88.9 ± 0.20	5.49 + 0.66	260 (17.9)	65 (4.48)	7.62 + 0.91	370 (25.5)	90 (6.20)				
4 (inch)	(100)	114.3 ± 0.23	6.02 + 0.71	220 (15.2)	55 (3.79)	8.56 + 1.02	320 (22.1)	80 (5.51)				

### Consumption of Solvent Cement

Pipe Size (Inch)	½	¾	1	1¼	1½	2	3	4
Pipe Size (mm)	15	20	25	32	40	50	80	100
No. of Fitting Joints per Litre	1200	750	500	450	325	225	50	40

# uPVC

## PLUMBING SYSTEM

ULTIMATE PLUMBING  
SOLUTION FOR

# COLD

WATER



A specialized chemistry brass insert is used to enhance the life of thread and fitting.

# PERFORMANCE BENEFITS



- uPVC Pipe is Sch. 40 & 80 as per ASTM D 1785
- uPVC Fitting in Sch. 80 as per ASTM D 2467



## TEST CONDUCTED FOR THE PIPE :

- Dimensional Test :**  
To ensure that all dimensions confirm to appropriate standards.
- Flattening Test :**  
Sample pipes are compressed to check that despite compression, pipes do not crack.
- Burst Pressure Test :**  
Ensure maximum internal pressure to be over three times normal pressure rating for the pipes
- Drop Impact Test :**  
Ensures rated weights are dropped on to the pipes, without cracks or failures.
- Heat Reversion Test :**  
Ensures permitted residual stresses are only left in pipes after the pipe is produced.

## TEST CONDUCTED FOR THE FITTINGS :

- Dimensional Test :**  
Ensures Correctness of dimensions for wall thickness, socket diameters and sockets depths as per relevant standards.
- Burst Pressure Test :**  
Ensures maximum burst pressure of fitting must be over three times the normal pressure rating.

## AREAS OF APPLICATIONS :

- Residential Apartments
- Villas and Individual Homes
- Office Complexes
- Hotels
- Hospitals

### DIMENSIONS AND WATER PRESSURE RATING AT 23°C FOR UNTHREADED PIPES AS PER ASTM - D 1785

Nominal Bore (Inch)	Size (mm)	Outside Diameter (mm)	Schedule 40 (Standard)			Schedule 80 (Heavy)			Schedule 120		
			Wall Thickness (mm)	Working Pressure		Wall Thickness (mm)	Working Pressure		Wall Thickness (mm)	Working Pressure	
				Mpa	psi		Mpa	psi		Mpa	psi
½	15	21.34 ± 0.10	2.77+0.51	4.14	600	3.73+0.51	5.86	850	3.73+0.51	6.69	950
¾	20	26.67 ± 0.10	2.87+0.51	3.31	480	3.91+0.51	4.76	690	3.91+0.51	5.31	754
1	25	33.40 ± 0.13	3.38+0.51	3.10	450	4.55+0.53	4.34	630	4.55+0.53	4.96	704
1¼	32	42.16 ± 0.13	3.56+0.51	2.55	370	4.85+0.58	3.59	520	4.85+0.58	4.14	588
1½	40	48.26 ± 0.15	3.68+0.51	2.28	330	5.08+0.61	3.24	470	5.08+0.61	3.72	528
2	50	60.32 ± 0.15	3.91+0.51	1.93	280	5.54+0.66	2.76	400	5.54+0.66	3.24	460
2½	65	73.02 ± 0.18	5.16+0.61	2.07	300	7.01+0.84	2.90	420	7.01+0.84	3.24	460
3	80	88.90 ± 0.20	5.49+0.66	1.79	260	7.62+0.91	2.55	370	7.62+0.91	3.03	430
4	100	114.30 ± 0.23	6.02+0.71	1.52	220	8.56+1.02	2.21	320	8.56+1.02	2.96	420

Mpa =Mega Pascal 1Mpa=10Kg/cm<sup>2</sup> 1Kgf/cm<sup>2</sup> =14.20psi

Specification are Subject to Change without prior Notice for Continuous Technical Improvement.

### CONSUMPTION OF SOLVENT CEMENT

Pipe Size (Inch)	½	¾	1	1¼	1½	2	3	4	6
Pipe Size (mm)	15	20	25	32	40	50	80	100	150
No. of Fitting Joints per Litre	274	169	148	106	74	42	32	21	6

**PARAS**

# SWR

## DRAINAGE SYSTEM

BEST SOLUTION FOR

# DRAINAGE

## SYSTEM



CM/L - 7354474  
Pipes



CM/L - 7438177  
Fittings



# PERFORMANCE BENEFITS

**PARAS SUPERFIT, PARAS INDIA & PARAS AQUA  
SWR 'O' RING & SELFIT FITTINGS**

PVC Pipes Compound Grade Equivalent to PVC 1120 / 2120

### STANDARDS & SPECIFICATIONS

IS 14735 - Specification for SWR Fittings

IS 13592 - Specification for SWR Pipes

### SIZES

Pipes : 50mm, 75mm, 90mm, 110mm & 160mm

Fittings : 50mm, 75mm, 90mm, 110mm & 160mm

### COLOUR

Tint Blue

### FEATURES AND BENEFITS

- ▶ UV Stabilized
- ▶ High Chemical & Corrosion Resistance
- ▶ Stronger, Resilient and Long Lasting
- ▶ Environment Friendly

### AREAS OF APPLICATIONS :

- ▶ Drain & Sewer systems in Residences, Commercial Complexes, Resorts, Hospitals, Academic Institutes and Industries etc.

### ADVANTAGES

- ▶ High Flow Rate - No Chocking
- ▶ Quick, Easy & Aesthetic Installation
- ▶ Cost Effective
- ▶ Elegant & Versatile
- ▶ 100% Leak Proof Joints



**Fire  
Retardant**



### DIMENSIONS FOR SELFIT SOCKET

Nominal Outside Diameter	Socket Depth	Mean ID of Socket at Mid Point	
		Min	Max
50	30.0	50.1	50.3
75	40.0	75.1	75.3
90	46.0	90.1	90.3
110	48.0	110.1	110.4
160	58.0	160.2	160.5

### SWR PIPE - HSN CODE - 39172390

### DIMENSIONS FOR RINGFIT SOCKET

Nominal Outside Diameter	Inside Dia of Socket		Length of Beading & Neck	Length Beyond Beading
	Min	Max	Max	Min
50	50.3	51.1	18	20
75	75.3	76.2	20	25
90	90.3	91.2	23	28
110	110.4	111.3	26	32
160	160.5	161.5	32	42

### DIMENSIONS OF SWR PIPES

Nominal Outside Diameter	Tolerance on Outside Diameter		WALL THICKNESS			
			Type - A		Type - B	
	Min	Max	Min	Max	Min	Max
50	50.0	50.3	1.8	2.2	3.2	3.8
75	75.0	75.3	1.8	2.2	3.2	3.8
90	90.0	90.3	1.9	2.3	3.2	3.8
110	110.0	110.4	2.2	2.7	3.2	3.8
160	160.0	160.5	3.2	3.8	4.0	4.6

**PARAS**<sup>®</sup>

# PVC

## PIPES & FITTINGS

**PARAS** PVC PIPE

BEST  
SOLUTION FOR  
**AGRICULTURAL**  
USE

IS-4985  
  
CM/L - 7200346  
PIPES

IS-7834  
  
CM/L - 7402156  
FITTINGS

IS-14182  
  
CM/L-7645081  
PVC SOLVENT

 **MAHA HOUSING**  
CORPORATION

 **CIDCO**  
WE MAKE CITIES



# PERFORMANCE BENEFITS

PVC Compound Grade Equivalent to PVC 1120 / 2120

## STANDARDS & SPECIFICATIONS

IS 4985 : 2000 Specification For PVC Pipe

IS 7834 (Pt - 3 & Pt - 4) Specification for Fittings

## SIZES

Pipes : 20 mm to 315 mm

Fittings : 20 mm to 200 mm

## COLOUR

Gray

## LENGTH

6 m



## ADVANTAGES

- Self sockets are formed with high precision on specially developed sophisticated machines.
- 50% saving in installation time, as compared with plain ended pipes and loose couplers.
- The number of joints is reduced by 50% resulting in substantial saving in labour costs.
- More Economical than conventional plain ended pipes with loose couplers.
- Good hydraulic properties due to smooth interior pipe surfaces.

## AREAS OF APPLICATIONS

Agriculture Pipe Lines, Main & Submain Line for Drip Irrigation System

## FEATURES AND BENEFITS

- No Corrosion
- High Flow Rates - No Chocking
- UV Stabilized
- Long Life
- Light Weight
- Cost Effective

## uPVC AGRICULTURE PIPES - HSN CODE - 39172390

### DIMENSIONS OF uPVC PIPE FOR POTABLE WATER SUPPLIES AS PER IS 4985

Nominal Outside Diameter (Nominal Size)	Mean Outside Diameter		WALL THICKNESS												
			Class 1 0.25 MPa		Class 2 0.4 MPa		Class 3 0.6 MPa		Class 4 0.8 MPa		Class 5 1.0 MPa		Class 6 1.25 MPa		
	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	
20	20.0	20.3	-	-	-	-	-	-	-	-	-	1.1	1.5	1.4	1.8
25	25.0	25.3	-	-	-	-	-	-	1.2	1.6	1.4	1.8	1.7	2.1	
32	32.0	32.3	-	-	-	-	-	-	1.5	1.9	1.8	2.2	2.2	2.7	
40	40.0	40.3	-	-	-	-	1.4	1.8	1.8	2.2	2.2	2.7	2.8	3.3	
50	50.0	50.3	-	-	-	-	1.7	2.1	2.3	2.8	2.8	3.3	3.4	4.0	
63	63.0	63.3	-	-	1.5	1.9	2.2	2.7	2.8	3.3	3.5	4.1	4.3	5.0	
75	75.0	75.3	-	-	1.8	2.2	2.6	3.1	3.4	4.0	4.2	4.9	5.1	5.9	
90	90.0	90.3	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	110.0	110.4	1.6	2.0	2.5	3.0	3.7	4.3	4.9	5.6	6.1	7.1	7.5	8.7	
125	125.0	125.4	1.8	2.2	2.9	3.4	4.3	5.0	5.6	6.4	6.9	8.0	8.5	9.8	
140	140.0	140.5	2.0	2.4	3.2	3.8	4.8	5.5	6.3	7.3	7.7	8.9	9.5	11.0	
160	160.0	160.5	2.3	2.8	3.7	4.3	5.4	6.2	7.2	8.3	8.8	10.2	10.9	12.6	
180	180.0	180.6	2.6	3.1	4.2	4.9	6.1	7.1	8.0	9.2	9.9	11.4	12.2	14.1	
200	200.0	200.6	2.9	3.4	4.6	5.3	6.8	7.9	8.9	10.3	11.0	12.7	13.6	15.7	

#### Note :

\* The wall thickness of pipe is based on a safe working stress of 8.6 Mpa at 27°C. The working pressure gets reduced at sustained higher temperatures. Occasional rise in temperature, as in summer, with concurrent corresponding reduction in temperature during nights has no deleterious effect on the working pressure of the pipes considering the total life of pipe.

# ECO-DRAIN

## UNDERGROUND DRAINAGE SYSTEM

Special HI-TECH Compound

**SIZES**

- 110mm
- 160mm
- 200mm

**DIMENSION**

3 m & 6 m

**COLOUR**

Brown



### ECO DRAIN UNDERGROUND DRAINAGE

#### FITTING - HSN CODE - 3917

**DIMENSIONS OF ECO - DRAIN PIPE**

Size in mm	Nominal Outside Diameter (Nominal Size)	Mean Outside Diameter		WALL THICKNESS			
				Class 2 0.4 MPa		Class 3 0.6 MPa	
		Min	Max	Min	Max	Min	Max
4	110	110.0	110.4	2.5	3.0	3.7	4.3
6	160	160.0	160.5	3.7	4.3	5.4	6.2
8	200	200.0	200.6	4.6	5.3	6.8	7.9

#### ECO DRAIN UNDERGROUND DRAINAGE PIPE - HSN CODE - 3917

**Eco Drain Pipe Brown Colour**

	3m			6m		
Size in mm						
Eco Drain Pipe	110mm	160mm	200mm	110mm	160mm	200mm
<b>New</b> Cavity Hole Pipe						



**FEATURES AND BENEFITS**

- Great Flexibility
- High Compression Strength
- High Tensile Strength
- High Impact Strength
- Hygienic & Safe
- Excellent Resistance to Corrosion and Chemical Attack.

**AREAS OF APPLICATION**

Hospitals, Complexes,  
Commercial Building, Residence & Industries.

**ADVANTAGES**

- Joint do not get affected due to soil settlements.
- Suitable for all types of soil.
- No concrete bedding is required.
- Longer lengths of pipes and hence less number of joints simple and fast installation.
- Trouble free long life and overall economy.



# WATER STORAGE TANK

Blow Moulding Technology  
 HDPE Material Meet the requirement IS : 10146  
 IDEAL For Drinking Water

## CAPACITY

100 I/(L) to 5000 I(L)  
**Loft Tanks** - 200 / 300 / 500 I/(L)

## COLOURS

Yellow | White | Blue | Golden Yellow

## ADVANTAGES

- Safe for Drinking Water
- Adaptability
- Heat Resistance
- Cost Effective



**Strong**



**Quality Product**



**Easy Installation**

## FEATURES AND BENEFITS

- Triple Layer & Six Layer
- 100% Virgin Material
- Strong, Durable & Attractive Design
- Uniform Wall Thickness
- Plumber Friendly
- Two Sided Inlet & Outlet for Convenience.
- Double Layer Threaded Lid



**HIGHER STRENGTH & UNBREAKABLE**



**100% VIRGIN RAW MATERIAL**



**UV STABILIZED**



**FOOD GRADE Material**

## WATER TANK - 100-300 I(L) - HSN CODE - 39259090

### DIMENSIONS OF BLOW MOULDED WATER TANK IN INCHES

Size	Diameter	Height	Main Hole Dia
100 I/(L)	21"	22"	16"
200 I/(L)	21"	39"	16"
300 I/(L)	28"	34"	16"
500 I/(L)	32"	40"	16"
750 I/(L)	39"	45.5"	16"
1000 I/(L)	43"	50.5"	16"
1500 I/(L)	47"	57"	16"
2000 I/(L)	49"	70"	16"

### DIMENSIONS OF ROTO MOULDED WATER TANK IN INCHES

Size	Diameter	Height	Main Hole Dia
3000 I/(L)	61"	68"	16"
5000 I/(L)	72"	79"	16"

### DIMENSIONS OF LOFT TANK IN INCHES

Size	Length (In Inch)	Width (In Inch)	Hight (In Inch)	Weight (In kg)	Main Hole Dia
200 I/(L)	41"	29.5"	11.5"	6.50kg	11.5"
300 I/(L)	47"	36"	12"	9kg	11.5"
500 I/(L)	60"	36"	16"	13.5kg	11.5"

• Tanks Available in 3 Layer / 6 Layer

## WATER TANK - 500-5000 I(L) - HSN CODE - 39251000



# COLUMN PIPES FOR SUBMERSIBLE PUMPS

## STANDARDS & SPECIFICATIONS

Universal Standard

### SIZES

1" (25mm), 1¼" (32mm), 1½" (40mm), 2" (50mm), 2½" (65mm), 3" (80mm), 4" (100mm)

Class : V4, ECO - MEDIUM, MEDIUM, MEDIUM PLUS, STANDARD, HEAVY, SUPER HEAVY

### FEATURES AND BENEFITS

- Wire-lock System
- Bi Axial Oriented
- Water Tight Joints
- Unique Design
- High Tensile Strength
- Light in Weight
- No Rusting
- Longer Life

Type of Pipe	Size	Sub-Mersible Pump Pipes Pressure Capacity (in kg/cm <sup>2</sup> )					
		1" 25mm	1¼" 32mm	1½" 40mm	2" 50mm	2½" 65mm	3" 80mm
V4-10kg		-	10kg	-	-	-	-
V4-12.5kg		12.5kg	12.5kg	12.5kg	-	-	-
V4-15kg		15kg	15kg	15kg	-	-	-
Eco Medium Duty		-	-	-	10kg	-	8kg
Medium Duty (Coupler Type)		20kg	18kg	17kg	18kg	10kg	11kg
Medium Plus Duty		-	-	-	22kg	-	-
Standard Duty (Coupler Type)		30kg	27kg	26kg	28kg	20kg	17kg
Heavy Duty (Coupler Type)		-	-	-	32kg	28kg	26kg
Super Heavy (Coupler Type)		-	-	-	35kg	-	-

Type of Pipe	Size	Sub-Mersible Pump Pipes Chain Pully Lifting Capacity (in kgs)					
		1" 25mm	1¼" 32mm	1½" 40mm	2" 50mm	2½" 65mm	3" 80mm
V4-10kg		-	500	-	-	-	-
V4-12.5kg		500	600	700	-	-	-
V4-15kg		700	1100	1250	-	-	-
Eco Medium Duty		-	-	-	1300	-	3800
Medium Duty (Coupler Type)		770	1200	1300	1500	1900	4100
Medium Plus Duty		-	-	-	1800	-	-
Standard Duty (Coupler Type)		1300	1500	1700	2200	2700	4000
Heavy Duty (Coupler Type)		-	-	-	2850	4200	5700
Super Heavy (Coupler Type)		-	-	-	3500	-	-

## ADVANTAGES

- Higher Izod-Impact strength even at low Temperature.
- Specially designed Buttress Threaded profile gives optimum Tensile Strength.
- No formation of Algae, fungal & Scaling.
- Anti - abrasion and Anti-corrosion gives long life.
- Smooth internal surface reduces energy consumption due to friction free water flow increasing the life of the pump.
- Light weight & easy for installation.
- PARAS uPVC Column pipes are most economical than GI Pipes & MS Pipes.
- 35% More Water than GI Pipes & MS Pipes.

## AREAS OF APPLICATIONS

Water rising pipe for submersible pump & jet pumps for irrigation.



## COLUMN PIPES - HSN CODE - 39172390

Screen Printing Colour													
Size (inch)	OD in MM	No. of Length in Bundle	Eco Range Orange Screen Coupler Type	Medium Duty Blue Screen Coupler Type	Medium Duty Plus Maroon Screen Coupler Type	Standard Duty Red Screen Coupler Type	Heavy Duty Green Screen Coupler Type	Super Heavy Off White Screen Coupler Type	V4-10kg/cm <sup>2</sup> Black Screen Coupler Type	V4-12.5kg/cm <sup>2</sup> Black Screen Bell Type	V4-12.5kg/cm <sup>2</sup> Black Screen Coupler Type	V4-15kg/cm <sup>2</sup> Black Screen Bell Type	V4-15kg/cm <sup>2</sup> Black Screen Coupler Type
1	33	30	-	-	-	-	-	-	-	-	-	-	-
1¼	42	25	-	-	-	-	-	-	-	-	-	-	-
1½	48	20	-	-	-	-	-	-	-	-	-	-	-
2	60	15	-	-	-	-	-	-	-	-	-	-	-
2½	75	10	-	-	-	-	-	-	-	-	-	-	-
3	88	5	-	-	-	-	-	-	-	-	-	-	-
4	113	5	-	-	-	-	-	-	-	-	-	-	-

# RAIN-FLOW ROOF RAIN WATER HARVESTING SYSTEM

PVC Compound Grade Equivalent to PVC 1120 / 2120

**SIZES**

Gutter Size - 180mm

**DIMENSION**

Available length - 3m, 5m, 6m.


**FEATURES AND BENEFITS**

- ▶ Long life
- ▶ High chemical corrosion resistance
- ▶ U.V. stabilized
- ▶ New concept metal toggle clamps
- ▶ Light in weight
- ▶ 100% Leak proof
- ▶ Easy to Install
- ▶ No maintenance



**ROOF RAIN WATER HARVESTING PIPES**

**HSN CODE - 39172390**

		<b>HALF ROUND PIPE</b>
Size (Inch)	Size (mm)	Length (m)
7	180	3m
7	180	5m
7	180	6m



**Easy Installation**



**Leak Proof**



**Corrosion & Deposition Free**




**ROOF RAIN WATER HARVESTING FITTINGS**

**HSN CODE - 39174000**


		<b>COUPLER</b> (WITH HIPS CLAMP & RUBBER RING)
Size (Inch)	Size (mm)	Std. Pkg.
7	180	36

		<b>ELBOW 90°</b> (WITH OUT OUTLET) WITH HIPS CLAMP & RUBBER RING
Size (Inch)	Size (mm)	Std. Pkg.
7	180	24

		<b>ADJUSTABLE SIDE BRACKET (METAL)</b>
Size (Inch)	Size (mm)	Std. Pkg.
7	180	50


		<b>RUNNING OUTLET</b> (WITH HIPS CLAMP & RUBBER RING)
Size (Inch)	Size (mm)	Std. Pkg.
7	180	12


		<b>ELBOW 90°</b> (WITH OUTLET 110mm) WITH HIPS CLAMP & RUBBER RING
Size (Inch)	Size (mm)	Std. Pkg.
7	180	12

		<b>ADJUSTABLE TOP BRACKET (METAL)</b>
Size (Inch)	Size (mm)	Std. Pkg.
7	180	50


		<b>STOP END OUTLET</b> (WITH HIPS CLAMP & RUBBER RING)
Size (Inch)	Size (mm)	Std. Pkg.
7	180	15

		<b>SHORT STOP END CAP</b> (WITH RUBBER RING)
Size (Inch)	Size (mm)	Std. Pkg.
7	180	50

		<b>PIPE SUPPORT BRACKET</b>
Size (Inch)	Size (mm)	Std. Pkg.
7	180	70

		<b>PLASTIC SUPPORT BRACKET (SPARE)</b>
Size (Inch)	Size (mm)	Std. Pkg.
7	180	-

		<b>RUBBER GASKET (SPARE)</b>
Size (Inch)	Size (mm)	Std. Pkg.
7	180	50

		<b>PLASTIC CLAMP (SPARE)</b>
Size (Inch)	Size (mm)	Std. Pkg.
7	180	-

# SOFT GARDEN TUBING PIPES

PARAS PVC soft garden tubing is a non-reinforced multipurpose low pressure tube which is available in transparent, translucent and opaque colour.

**SIZES**

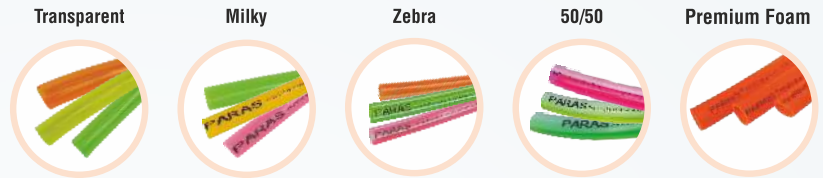
½ to 1½ inch  
12mm to 40mm

**TYPE**

- ↳ Transparent
- ↳ Milky
- ↳ Zebra
- ↳ 50-50
- ↳ Premium Foam

**COLOUR**

Yellow, Parrot Green, Pink  
White, Orange, Mango, Blue



**GARDEN PIPES - HSN CODE - 39172390**

Size (inch)	Size (mm)	Std (Pkg.)	Regular Rate (in Rs. per 30m Roll)	Heavy Rate (in Rs. per 30m Roll)	Premium Foam Rate (in Rs. per 30m Roll)	Aqua Foam Rate (in Rs. per 30m Roll)
½	12	10	-	-	-	-
¾	20	10	-	-	-	-
1	25	08	-	-	-	-
1¼	32	01	-	-	-	-
1½	40	01	-	-	-	-



LEVEL TUBE (30m Roll)			
Size (inch)	Size (mm)	Std (Pkg.)	
¼	06	50	



**PVC SUCTION PIPES - HSN CODE - 39172390**

Size (Inch)	Size (mm)	Std (Pkg.)	Length (In.m)
¾	20	05	30
1	25	05	30
1¼	32	01	30
1½	40	01	30
2	50	01	30
2½	65	01	30
3	80	01	30
4	100	01	30

# PARAS PVC SUCTION PIPES

PARAS PVC reinforced suction pipes are a challenge to the best of products in the industry. It has a rigid PVC spiral reinforcement between soft walls which makes it an ideal replacement to rubber pipes.

**SIZE**  
¾" to 4" inches  
20mm to 100mm

**COLOURS**  
Green | Gray

**FEATURES AND BENEFITS**  
↳ Strong > Durable > Flexible

**AREAS OF APPLICATION**  
↳ Suction of Water

# PVC BRAIDED & AIR PNEUMATIC PIPES

PARAS PVC braided pipes are produced using meticulously selected yarn, braided & fused between the inner & outer layers thus offering better resistance to withstand higher working pressures without the problem of bursting. A unique feature is its transparency which allows one to observe its internal functioning. It is resistant to several chemicals, alkalies, light acids & oils. It can withstand all climatic conditions thus proving a better choice than conventional rubber pipes. A wide range of PVC braided pipes are available for use in various fields.

## SIZES

5mm to 50mm

## FEATURES

- ✦ Strong
- ✦ Durable
- ✦ Flexible

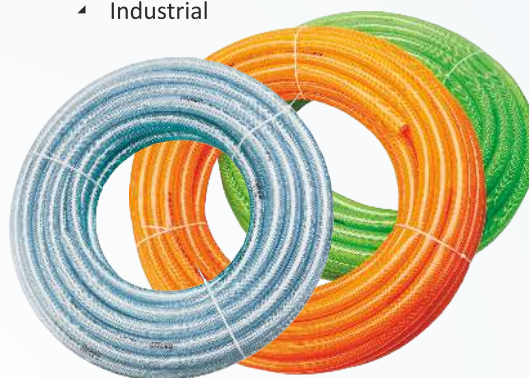
## COLOURS

- ✦ Green
- ✦ Orange
- ✦ Transparent
- ✦ Milky Yellow



## APPLICATION

- ✦ Air / Pneumatic
- ✦ Rock Drilling
- ✦ Car Wash
- ✦ Super Spray
- ✦ Welding
- ✦ Garden
- ✦ Industrial



## PVC BRAIDED PIPES - HSN CODE - 39172390

### WATER / GARDEN PIPES (GREEN / ORANGE)

Size (mm)	Size (inch)	Std. Length (in m/Pkg)	W.P. (kg/cm <sup>2</sup> )
12	1/2	30/50/100x10	6
20	3/4	30/50/100x10	6
25	1	30/50/100x08	5

### PVC AIR PNEUMATIC PIPES (TRANSPARENT)

Size (mm)	Size (inch)	Std. Length (in m/Pkg)	W.P. (kg/cm <sup>2</sup> )
5	3/16	100x1	24
6	1/4	100x1	24
7	9/32	100x1	20
8	5/16	100x1	20
10	3/8	100x1	18
12	1/2	100x1	16
15	5/8	100x1	13
20	3/4	100x1	13
25	1	100x1	12
31	1 1/4	30/50x1	10
40	1 1/2	30/50x1	09
50	2	30/50x1	08

# HDPE PIPES

PARAS HDPE Pipe pressure pipe is made from high density polyethylene which is a crystalline resin or polymer known for its flexibility, toughness and chemical resistance. These features make HDPE pressure pipe well suited for those applications or industries requiring a pipe that is strong, durable, corrosion resistant and yet flexible enough to be assembled and installed in the most in accessible and harsh environments.

## IS 4984 Specification for HDPE Pipe

### MATERIAL

HDPE Material of Grade PE 63, PE 80, PE 100

### SIZE

#### OD Pipe - ISI Mark

20mm to 315mm (½" to 12")

Class - PN 4 to PN 16 (4kg/cm<sup>2</sup> to 16kg/cm<sup>2</sup>)

#### ID Pipe

2", 2½" & 3"

50mm, 63mm & 75mm

Pressure Class - PN 4

### LENGTH

100 m to 1000 m in Coils.

**HDPE PIPES - HSN CODE - 39172110**

CERTIFIED BY



IS 4984



CML - 7823887



### PE ID PIPES

Size ID (mm)	Size (Inch)	Coil Length in Mtr.
50	2	100/200
63	2½	100/200
75	3	100

## PARAS HDPE OD PE-63 IS -4984:2016 PRESSURE KG/CM<sup>2</sup>

Size (mm)	Size (Inch)	Standard Coil Length in Mtr.	4kg/cm <sup>2</sup> (PN-4)	6kg/cm <sup>2</sup> (PN-6)	8kg/cm <sup>2</sup> (PN-8)	10kg/cm <sup>2</sup> (PN-10)	12.5kg/cm <sup>2</sup> (PN-12.5)
20	½	500/1000	-	-	-	-	-
25	¾	500/1000	-	-	-	-	-
32	1	500/1000	-	-	-	-	-
40	1¼	500/1000	-	-	-	-	-
50	1½	500/1000	-	-	-	-	-
63	2	100/200	-	-	-	-	-
75	2½	100/200	-	-	-	-	-
90	3	100	-	-	-	-	-
110	4	100	-	-	-	-	-
125	4½	-	-	-	-	-	-
140	5	-	-	-	-	-	-
160	6	-	-	-	-	-	-
180	7	-	-	-	-	-	-
200	8	-	-	-	-	-	-
225	9	-	-	-	-	-	-
250	10	-	-	-	-	-	-
280	11	-	-	-	-	-	-
315	12	-	-	-	-	-	-

## PARAS HDPE OD PE-80 IS -4984:2016 PRESSURE KG/CM<sup>2</sup>

Size (mm)	Size (Inch)	Standard Coil Length in Mtr.	4kg/cm <sup>2</sup> (PN-4)	6kg/cm <sup>2</sup> (PN-6)	8kg/cm <sup>2</sup> (PN-8)	10kg/cm <sup>2</sup> (PN-10)	12.5kg/cm <sup>2</sup> (PN-12.5)	16kg/cm <sup>2</sup> (PN-16)
20	½	500/1000	-	-	-	-	-	-
25	¾	500/1000	-	-	-	-	-	-
32	1	500/1000	-	-	-	-	-	-
40	1¼	500/1000	-	-	-	-	-	-
50	1½	500/1000	-	-	-	-	-	-
63	2	100/200	-	-	-	-	-	-
75	2½	100/200	-	-	-	-	-	-
90	3	100	-	-	-	-	-	-
110	4	100	-	-	-	-	-	-
125	4½	-	-	-	-	-	-	-
140	5	-	-	-	-	-	-	-
160	6	-	-	-	-	-	-	-
180	7	-	-	-	-	-	-	-
200	8	-	-	-	-	-	-	-
225	9	-	-	-	-	-	-	-
250	10	-	-	-	-	-	-	-
280	11	-	-	-	-	-	-	-
315	12	-	-	-	-	-	-	-

## PARAS HDPE OD PE-100 IS -4984:2016 PRESSURE KG/CM<sup>2</sup>

Size (mm)	Size (Inch)	Standard Coil Length in Mtr.	4kg/cm <sup>2</sup> (PN-4)	6kg/cm <sup>2</sup> (PN-6)	8kg/cm <sup>2</sup> (PN-8)	10kg/cm <sup>2</sup> (PN-10)	12.5kg/cm <sup>2</sup> (PN-12.5)	16kg/cm <sup>2</sup> (PN-16)
20	½	500/1000	-	-	-	-	-	-
25	¾	500/1000	-	-	-	-	-	-
32	1	500/1000	-	-	-	-	-	-
40	1¼	500/1000	-	-	-	-	-	-
50	1½	500/1000	-	-	-	-	-	-
63	2	100/200	-	-	-	-	-	-
75	2½	100/200	-	-	-	-	-	-
90	3	100	-	-	-	-	-	-
110	4	100	-	-	-	-	-	-
125	4½	-	-	-	-	-	-	-
140	5	-	-	-	-	-	-	-
160	6	-	-	-	-	-	-	-
180	7	-	-	-	-	-	-	-
200	8	-	-	-	-	-	-	-
225	9	-	-	-	-	-	-	-
250	10	-	-	-	-	-	-	-
280	11	-	-	-	-	-	-	-
315	12	-	-	-	-	-	-	-

# SOLVENT CEMENT & RUBBER LUBRICANTS

PARAS believes in providing total solutions and thus provide best quality solvent cement. The solvent cement shall be Thixotropic and consist substantially of solvents that will swell uPVC Resin & Stabilizer. Both good and pure Solvents are used for Solvent Cement. Dibutyl tin maleate is used as stabilizer for printing discolorations and for maintaining shelf stability of the cement.

IS : 14182



CM/L - 7645081



## STANDARDS & SPECIFICATIONS

IS 14182 - 1994

ASTM D 2564 - Standards Specification of uPVC Solvent Cement

ASTM F 493 - Standards Specification of CPVC Solvent Cement

## SIZES

- ✦ TIN : (CPVC) - 58ml, 118ml, 257ml.
- ✦ Tube : (CPVC) - 25ml, 50ml.
- ✦ TIN : (uPVC) - 50ml, 100ml, 250ml, 500ml, 1000ml.
- ✦ Tube : (uPVC) - 25ml, 50ml, 100ml.
- ✦ Bottle : (PVC) - 25ml, 50ml, 100ml, 250ml, 500ml, 1000ml.
- ✦ Tube : (PVC) - 10ml, 25ml, 50ml, 100ml.
- ✦ Drum : (PVC) - 5 Ltrs.
- ✦ Rubber Lubricant - 50gm, 100gm, 250gm, 500gm, 1kg.
- ✦ Cleaner - 4 OZ (118ml), 8 OZ (236ml), 16 OZ (473ml), 32 OZ (946ml)

## FEATURES

- ✦ The PVC Resin content is more than 10%
- ✦ The Viscosity of the solvent is more than 90 (cp)
- ✦ The average shear strength is more than 1.7 Mpa after 2 hours curing time.
- ✦ The hydrostatic burst strength is more than 2.8 Mpa after 2 hours curing time
- ✦ High Quality Performance with excellent installation properties.
- ✦ User Friendly, Reduced fumes and odor for the comfort and well-being of pipe installers.
- ✦ Meet ASTM Standards for solvent cements used for plastic pipe installation.

## ADVANTAGES

- ✦ Good viscosity stability of the solution.
- ✦ Excellent bonding performances specially maintaining high bonding strength
- ✦ at a high temperature
- ✦ Free from lumps, macroscopic undissolved particles and foreign particles.
- ✦ Free from gelation.

## CIRCUIT TESTING

Once an installation is completed and cured as per these recommendations, the system should be hydrostatically pressure tested at 10 bar for one hour. While pressure testing, the system should be filled with water and all air removed from the farthest and highest points in the run. If a leak is found the joint must be cut out and discarded and a new section should be installed using couplings.

CURING TIME AT DIFFERENT AMBIENT TEMPERATURE

Ambient Temp.	Pressure			
	Up to 12 kg / cm <sup>2</sup>		Above 12kg / cm <sup>2</sup>	
	Up to 1¼	1½ to 2"	Up to 1¼	1½ to 2"
17° to 48°C	1 hr	2 hr	6 hr	6 hr
5° to 17°C	3 hr	4 hr	12 hr	24 hr
-20° to 5°C	8 hr	16 hr	48 hr	96 hr



# CONDUIT PIPES & FITTINGS

**MATERIAL**

Special Fire Extinguish HI-TECH Compound

**SIZES**

20mm to 25mm

**CLASS**

LMS - Light Mechanical Stress

MMS - Medium Mechanical Stress

HMS - Heavy Mechanical Stress

**LENGTH**

3 m

**COLOUR**

White & Black



**CONDUIT PIPES - IS 9537**

**HSN CODE - 39172390**

		CONDUIT PIPE - LMS
Size (mm)		Std. Pkg.
20		50
25		50

		CONDUIT PIPE - MMS
Size (mm)		Std. Pkg.
20		50
25		50

		CONDUIT PIPE - HMS
Size (mm)		Std. Pkg.
20		50
25		50

**CONDUIT FITTINGS - IS 3419**

**HSN CODE - 39174000**

		ELBOW
Size (mm)		Std. Pkg.
20	500	500
25	500	500

		TEE
Size (mm)		Std. Pkg.
20	400	400
25	400	400

		COUPLER
Size (mm)		Std. Pkg.
20	900	900
25	900	900

		BEND 90° (FABRICATED)
Size (mm)		Std. Pkg.
20	350	-
25	200	-
25	175	Extra Long Bend (Fabricated)

**HSN CODE - 73181110**

		MS CONDUIT SCREW
Size (mm)		Std. Pkg.
M4x1/2		500
M4x1		500
M4x1 1/4		500
M4x1 1/2		500
M4x2		500

		JUNCTION BOX LID (WITH SCREW)
Size (mm)		Std. Pkg.
20	125	125
25	125	125

		DEEP JUNCTION BOX 1 WAY WITH LID
Size (mm)		Std. Pkg.
20	80	80
25	80	80

		DEEP JUNCTION BOX 2 WAY STRAIGHT WITH LID
Size (mm)		Std. Pkg.
20	80	80
25	80	80

		DEEP JUNCTION BOX 2 WAY 90° WITH LID
Size (mm)		Std. Pkg.
20	80	80
25	80	80

		DEEP JUNCTION BOX 3 WAY WITH LID
Size (mm)		Std. Pkg.
20	80	80
25	80	80

		DEEP JUNCTION BOX 4 WAY WITH LID
Size (mm)		Std. Pkg.
20	80	80
25	80	80

		JUNCTION BOX 1 WAY WITH LID
Size (mm)		Std. Pkg.
20	150	150
25	150	160

		JUNCTION BOX 2 WAY STRAIGHT WITH LID
Size (mm)		Std. Pkg.
20	150	150
25	150	120

		JUNCTION BOX 2 WAY 90° WITH LID
Size (mm)		Std. Pkg.
20	150	150
25	150	120

		JUNCTION BOX 3 WAY WITH LID
Size (mm)		Std. Pkg.
20	150	150
25	150	120

		JUNCTION BOX 4 WAY WITH LID
Size (mm)		Std. Pkg.
20	150	150
25	150	100

# DRIP IRRIGATION SYSTEM

India is an agrarian country. Water management is of critical importance to Indian agriculture. While the irrigated area in the country has almost doubled since independence it is believed that the irrigated area can not exceed 50% of the cultivable area with the conventional methods of irrigation even if the irrigation potential is fully utilized. To address this judicious and improved methods / technologies for harnessing maximum benefits from available water resources to enhance crop productivity without affecting soil health. After detailed study of inter-relationship among soil, water, crop, land terrain and agro climatic conditions. Paras design a suitable and economically viable system to deliver a measured quantity of water at the root zone of each plant at regular intervals, to ensure that the plants do not suffer from over or under watering. The system installed at the farmers field is commissioned and later training is imparted to the farmer, followed by regular service support. Through the continuous development efforts, PARAS made the drip irrigation system to suit all type of soils, crops and agro climatic conditions.

Inline



Inline Flat Drip

Online



Online Dripper

## COLOUR MODE

4 LPH - Black / 8 LPH - Blue / 14 LPH - Green

## STANDARDS & SPECIFICATIONS

IS 13488 : 2008

Specification for Emitting (Inline) Pipes

IS 13487 : 1992

Specification for Emitters (Online Drippers)

IS 12786 : 1989

Specification for Lateral Pipe (Online)

## MATERIAL

PE 25 Food Grade meeting the requirement IS : 10146

## SIZE INLINE

- 12mm : Class - 2, 2 LPH, 4 LPH
- 16mm : Class - 2, 2 LPH, 4 LPH
- 20mm : Class - 1, Class - 2, 2 LPH, 4 LPH

## SPACING

30cm, 40cm, 50cm, 60cm, 75cm, 90cm, 120cm,

150cm, 180cm, 200cm

Category : B, Unregulated.

## ONLINE EMITTERS

4 LPH , 8 LPH & 14 LPH

Category : A, Unregulated, Laminar Flow,  
NPC (Non Pressure Compensating)

## ADVANTAGES

- Saves water upto 70%. More land can be irrigated with the water thus saved.
- Has recorded increases in yield upto 210%
- Crop grows consistently, healthier and matures fast.
- Early maturity results in higher and faster returns on investment.
- Fertilizer use efficiency increases upto 30%
- Cost of fertilizers, inter - culturing and labour use gets reduced.
- Fertilizer and Chemical Treatment can be given through Drip System itself.
- Undulating terrains, Saline, water logged, Sandy & Hilly lands can also be brought under productive cultivation.

## ACCESSORIES

- Plastic Disc / Screen Filter
- Sand Media Filter
- Metal Disc / Screen Filter
- Hydrocyclone Filter
- Fertilizer Tank
- Ventury Injector
- Other Valves & Gauges
- Control Valves
- Drip Poly Fittings

# SPRINKLER IRRIGATION SYSTEM

PARAS Sprinkler System is unique irrigation system. It can also be called as an artificial rainfall. Water is pumped through a network of pipes to cover the required field area. Then with the spray heads and nozzles, water is sprayed into the air so that it breaks up into small water drops which fall on to the ground and irrigates the entire soil surface.

PARAS Sprinkler System is designed to ensure maximum water saving along with affordability and easy installation. All the products are made out of high strength & chemical resistant engineering plastics to achieve functional satisfaction and to maintain cost economics. All products not only conform to the best quality in our established labs but also are tested in the fields to ensure uniform water distribution for healthier crop keeping conservation of water in mind.



## SPRINKLER SET - HSN CODE - 84248100

### STANDARDS & SPECIFICATIONS

IS 14151 (Part - 2)

Specification for Sprinkler Pipes.

### MATERIAL

HDPE Material of grade PE 63 and as per IS : 7328

### SIZES

63mm Class - 2 (3.2kg/cm<sup>2</sup>)

75mm Class - 1 (2.5kg/cm<sup>2</sup>), 75mm Class - 2 (3.2kg/cm<sup>2</sup>)

90mm Class - 1 (2.5kg/cm<sup>2</sup>), 90mm Class - 2 (3.2kg/cm<sup>2</sup>)

110mm Class - 1 (2.5kg/cm<sup>2</sup>), 110mm Class - 2 (3.2kg/cm<sup>2</sup>)

### TYPE

Regular Fusion Welded

C Type Fusion Welded

Regular Butt Welded

C Type Butt Welded

### STANDARDS & SPECIFICATIONS

#### LENGTH

6 m excluding coupler

#### ACCESSORIES

- ✦ Sprinkler Metal Nozzle
- ✦ Coupled Tee
- ✦ Coupled Bend
- ✦ Foot Batten
- ✦ Shaddle
- ✦ PCN
- ✦ End Cap
- ✦ Riser Pipe
- ✦ Adaptor
- ✦ Rubber Ring
- ✦ Latch Clamp
- ✦ C Type Clamp



## LATERAL & SPRINKLER PIPE & SPARES - HSN CODE - 84249000

### AREAS OF APPLICATIONS

#### ✦ FIELD CROPS :

- ✦ Wheat ✦ Gram ✦ Pulses ✦ Vegetables ✦ Cotton
- ✦ Soya Bean ✦ Tea ✦ Coffee and other fodder crops.



#### ✦ OTHER APPLICATIONS :

- ✦ Residential ✦ Industrial ✦ Hotel ✦ Resorts ✦ Public
- ✦ Government Enterprises ✦ Golf links ✦ Race Courses



# P.T.M.T. BATH FITTING

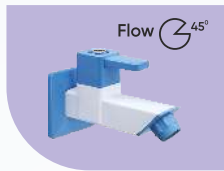
*Platina*  
SERIES

Colours Available  
 Blue+White  
 Yellow+Ivory

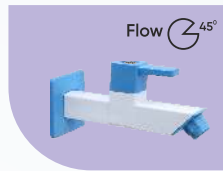
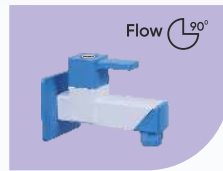
For Extra Strength Using Special design SS 304 INSERT  
**SIZE - 20MM**



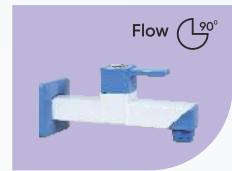
**Wall Mixer (Foam Flow)**  
M. Box - 38 pcs



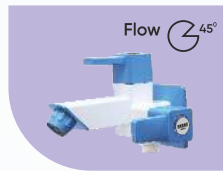
**Short Body with Flange (Foam Flow)**  
Packing - 20 pcs



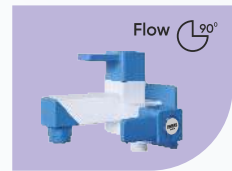
**Long Body with Flange (Foam Flow)**  
Packing - 17 pcs



**Pillar Cock (Foam Flow)**  
Packing - 13 pcs



**2 Way Bib Cock with Flange (Foam Flow)**  
Packing - 56 pcs



**Angle Cock with Flange**  
Packing - 35 pcs



**2 Way Angle Cock with Flange**  
Packing - 16 pcs





**Pillar Sink Cock (Short) (Foam Flow)**  
Packing - 13 pcs

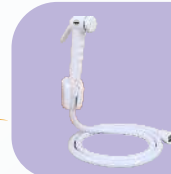


**Wall Sink Cock (Short) with Flange (Foam Flow)**  
Packing - 13 pcs

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Series

Colours Available  
 Charcol + White  
 White + White

*Health Faucet*



Length	Packing
1 mtr.	10 pcs.
1.5 mtrs.	10 pcs.
2 mtrs.	10 pcs.



**Short Body with Flange**  
Packing - 28 pcs



**Long Body with Flange**  
Packing - 18 pcs



**Machine Cock with Flange**  
Packing - 26 pcs



**Angle Cock with Flange**  
Packing - 40 pcs



**Garden Cock with Flange**  
Packing - 26 pcs



**Pillar Cock**  
Packing - 16 pcs



**2 Way Bib Cock with Flange**  
Packing - 12 pcs



**2 Way Angle Cock with Flange**  
Packing - 17 pcs



**Pillar Sink Cock (Short)**  
Packing - 12 pcs



**Pillar Sink Cock (Long)**  
Packing - 9 pcs



**Wall Sink Cock (Short) with Flange**  
Packing - 12 pcs



**Wall Sink Cock (Long) with Flange**  
Packing - 9 pcs

**Wall Mixer**  
M. Box - 38 pcs



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