

**Excellence Needs No Recognition  
But Recognition Comes Only When You are Excellent**



**Complete Solution of  
Plumbing, Drainage &  
Water Management  
Under One Roof..**

**PARAS<sup>®</sup>**  
**A Touch of Excellence**

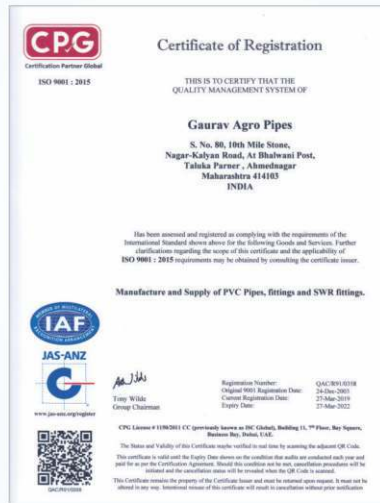
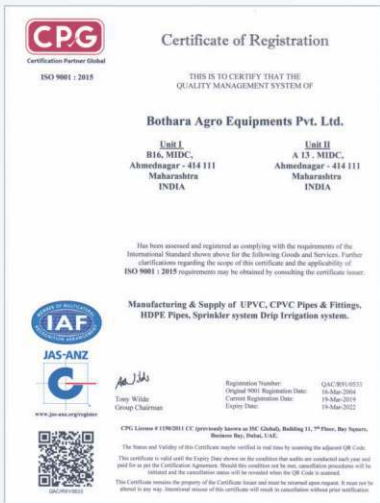


# About **PARAS GROUP**

A dynamic, professional & progressive group established in 1967 & having a legacy of more than 52 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.





# uPVC

## PLUMBING SYSTEM

ULTIMATE PLUMBING  
SOLUTION FOR

# COLD

WATER

**PARAS**<sup>®</sup> UPVC PIPE



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

CERTIFIED BY



INTERNATIONAL  
Standards ASTM D 1785  
Standards ASTM D 2467



STABILIZED



# PERFORMANCE BENEFITS



## Tests Methods for Quality Control

### TEST PROCEDURE 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 PROCEDURE 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)	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	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	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	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	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	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	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	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	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	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
No. of Fitting Joints per Litre	274	169	148	106	74	42	32	21	6



**uPVC PIPES - HSN CODE - 3917**

Pipe in Sch. 40 & 80 as per ASTM D 1785 & Fittings in Sch. 80 as per ASTM D 2467



**uPVC PIPE SCH. 40 - 3m**

Size (inch)	Size (mm)	Std. Pkg.
1/2	15	50
3/4	20	40
1	25	25
1 1/4	32	10
1 1/2	40	10
2	50	5
2 1/2	65	5
3	80	3
4	100	3

**uPVC PIPE SCH. 40 - 6m**

Size (inch)	Size (mm)	Std. Pkg.
1/2	15	40
3/4	20	30
1	25	20
1 1/4	32	10
1 1/2	40	10
2	50	5
2 1/2	65	5
3	80	3
4	100	3



**uPVC PIPE SCH. 80 - 3m**

Size (inch)	Size (mm)	Std. Pkg.
1/2	15	50
3/4	20	40
1	25	25
1 1/4	32	10
1 1/2	40	10
2	50	5
2 1/2	65	5
3	80	3
4	100	3

**uPVC PIPE SCH. 80 - 6m**

Size (inch)	Size (mm)	Std. Pkg.
1/2	15	40
3/4	20	30
1	25	20
1 1/4	32	10
1 1/2	40	10
2	50	5
2 1/2	65	5
3	80	3
4	100	3

**uPVC FITTINGS - HSN CODE - 3917**



**COUPLER**

Size (inch)	Size (mm)	Std. Pkg.
1/2	15	300
3/4	20	175
1	25	125
1 1/4	32	75
1 1/2	40	60
2	50	36
2 1/2	65	18
3	80	12
4	100	8



**REDUCING ELBOW**

Size (inch)	Size (mm)	Std. Pkg.
3/4 x 1/2	20x15	125
1 x 1/2	25x15	100
1 x 3/4	25x20	75



**UNION**

Size (inch)	Size (mm)	Std. Pkg.
1/2	15	125
3/4	20	75
1	25	50
1 1/4	32	40
1 1/2	40	27
2	50	18
2 1/2	65	6
3	80	4



**ELBOW**

Size (inch)	Size (mm)	Std. Pkg.
1/2	15	225
3/4	20	125
1	25	75
1 1/4	32	50
1 1/2	40	30
2	50	18
2 1/2	65	12
3	80	6
4	100	4

\* Warranty applicable only if PARAS Super-Flow uPVC Pipes & Fittings is used with PARAS uPVC Solvent for Jointing.



# uPVC SUPER-FLOW PLUMBING SYSTEM IDEAL FOR COLD WATER PLUMBING

## uPVC FITTINGS - HSN CODE - 3917

### ELBOW PLASTIC THREADED



Size (inch)	Size (mm)	Std. Pkg.
1/2 x 1/2	15x15	250
3/4 x 1/2	20x15	125
3/4 x 3/4	20x20	125
1 x 1	25x25	75

### TEE PLASTIC THREADED



Size (inch)	Size (mm)	Std. Pkg.
1/2 x 1/2	15x15	150
3/4 x 1/2	20x15	100
3/4 x 3/4	20x20	100
1 x 1	25x25	50

### TEE



Size (inch)	Size (mm)	Std. Pkg.
1/2	15	150
3/4	20	100
1	25	50
1 1/4	32	30
1 1/2	40	20
2	50	15
2 1/2	65	6
3	80	4
4	100	2

### FTA PLASTIC THREADED



Size (inch)	Size (mm)	Std. Pkg.
1/2	15	300
3/4	20	225
1	25	125
1 1/4	32	75
1 1/2	40	64
2	50	36
2 1/2	65	18
3	80	12
4	100	8

### REDUCING FTA PLASTIC THREADED



Size (inch)	Size (mm)	Std. Pkg.
3/4 x 1/2	20x15	100
1 x 1/2	25x15	175

### MTA PLASTIC THREADED



Size (inch)	Size (mm)	Std. Pkg.
1/2	15	400
3/4	20	275
1	25	175
1 1/4	32	100
1 1/2	40	100
2	50	60
2 1/2	65	18
3	80	18
4	100	8

### REDUCING MTA PLASTIC THREADED



Size (inch)	Size (mm)	Std. Pkg.
1 x 1/2	25x15	175

### REDUCER



Size (inch)	Size (mm)	Std. Pkg.
3/4 x 1/2	20x15	200
1 x 1/2	25x15	210
1 x 3/4	25x20	125
1 1/4 x 1/2	32x15	120
1 1/4 x 3/4	32x20	140
1 1/4 x 1	32x25	75
1 1/2 x 1/2	40x15	100
1 1/2 x 3/4	40x20	100
1 1/2 x 1	40x25	100
1 1/2 x 1 1/4	40x32	50
2 x 1/2	50x15	60
2 x 3/4	50x20	60
2 x 1	50x25	64
2 x 1 1/4	50x32	60
2 x 1 1/2	50x40	64
2 1/2 x 2	65x50	27

### REDUCING TEE



Size (inch)	Size (mm)	Std. Pkg.
3/4 x 1/2	20x15	100
1 x 1/2	25x15	50
1 x 3/4	25x20	50
1 1/4 x 1/2	32x15	30
1 1/4 x 3/4	32x20	30
1 1/4 x 1	32x25	30
1 1/2 x 1/2	40x15	24
1 1/2 x 3/4	40x20	24
1 1/2 x 1	40x25	24
1 1/2 x 1 1/4	40x32	20
2 x 1/2	50x15	18
2 x 3/4	50x20	18
2 x 1	50x25	18
2 x 1 1/4	50x32	15
2 x 1 1/2	50x40	15

### END CAP



Size (inch)	Size (mm)	Std. Pkg.
1/2	15	250
3/4	20	150
1	25	75
1 1/4	32	50
1 1/2	40	100
2	50	60
2 1/2	65	36

### THREADED PLUG



Size (inch)	Size (mm)	Std. Pkg.
1/2	15	700
3/4	20	500
1	25	300

## uPVC SUPER-FLOW PLUMBING SYSTEM IDEAL FOR COLD WATER PLUMBING

### uPVC FITTINGS - HSN CODE - 3917

#### REDUCING BUSH



Size (inch)	Size (mm)	Std. Pkg.
3/4 x 1/2	20x15	300
1 x 1/2	25x15	300
1 x 3/4	25x20	300
1 1/4 x 1/2	32x15	200
1 1/4 x 3/4	32x20	200
1 1/4 x 1	32x25	200
1 1/2 x 1/2	40x15	125
1 1/2 x 3/4	40x20	150
1 1/2 x 1	40x25	125
1 1/2 x 1 1/4	40x32	125
2 x 1/2	50x15	50
2 x 3/4	50x20	50
2 x 1	50x25	50
2 x 1 1/4	50x32	50
2 x 1 1/2	50x40	50
2 1/2 x 2	65x50	50
3 x 2	80x50	24
3 x 2 1/2	80x65	24
4 x 2	100x50	12
4 x 2 1/2	100x65	12
4 x 3	100x80	12

#### ASTM BALL VALVE



Size (inch)	Size (mm)	Std. Pkg.
1/2	15	80
3/4	20	50
1	25	30
1 1/4	32	20
1 1/2	40	12
2	50	5
2 1/2	65	5
3	80	3

#### TANK CONNECTOR (LONG)



Size (inch)	Size (mm)	Std. Pkg.
1/2	15	150
3/4	20	75
1	25	50
1 1/4	32	30
1 1/2	40	20
2	50	10

#### TANK CONNECTOR (SHORT) (TH X TH)



Size (inch)	Size (mm)	Std. Pkg.
1/2	15	75
3/4	20	100
1	25	75
1 1/4	32	40
1 1/2	40	30
2	50	20

#### PIPE CLIP



Size (inch)	Size (mm)	Std. Pkg.
1/2	15	450
3/4	20	400
1	25	300
1 1/4	32	200
1 1/2	40	150
2	50	100

#### TANK CONNECTOR (SOCKET TYPE)



Size (inch)	Size (mm)	Std. Pkg.
1/2	15	75
3/4	20	100
1	25	75
1 1/4	32	40
1 1/2	40	30
2	50	20

#### STEP OVER BEND (FABRICATED)



Size (inch)	Size (mm)	Std. Pkg.
1/2	15	50
3/4	20	50
1	25	25
1 1/4	32	20
1 1/2	40	15
2	50	10

#### BEND 90° (FABRICATED)



Size (inch)	Size (mm)	Std. Pkg.
1/2	15	50
3/4	20	50
1	25	50
1 1/4	32	15
1 1/2	40	15
2	50	10
2 1/2	65	04
3	80	04

#### BEND 45°



Size (inch)	Size (mm)	Std. Pkg.
1/2	15	250
3/4	20	150
1	25	100
1 1/4	32	50
1 1/2	40	40
2	50	20

#### MALE TRANSITION NIPPLE



Size (inch)	Size (mm)	Std. Pkg.
1/2	15	100
3/4	20	75
1	25	50
1 1/4	32	30
1 1/2	40	20
2	50	20

#### CIRCUIT TESTING PLUG



Size (inch)	Size (mm)	Std. Pkg.
1/2	15	200



# uPVC SUPER-FLOW PLUMBING SYSTEM IDEAL FOR COLD WATER PLUMBING

## uPVC FITTINGS - HSN CODE - 3917

### FEMALE TRANSITION NIPPLE



Size (inch)	Size (mm)	Std. Pkg.
1/2	15	100
3/4	20	75
1	25	50
1 1/4	32	50
1 1/2	40	20
2	50	10

### BRASS TEE



Size (inch)	Size (mm)	Std. Pkg.
1/2 X 1/2 X 1/2	15x15x15	50
3/4 X 3/4 X 1/2	20x20x15	50
3/4 X 3/4 X 3/4	20x20x20	40
1 X 1 X 1/2	25x25x15	30
1 X 1 X 3/4	25x25x20	30
1 X 1 X 1	25x25x25	24

### CROSS TEE



Size (inch)	Size (mm)	Std. Pkg.
1/2	15	100
3/4	20	75
1	25	40

### REDUCING BRASS BUSH



Size (inch)	Size (mm)	Std. Pkg.
1 X 1/2	25x15	125

## uPVC SOLVENT CEMENT - HSN CODE - 3506

### BRASS FTA



Size (inch)	Size (mm)	Std. Pkg.
1/2 X 1/2	15x15	100
3/4 X 1/2	20x15	100
3/4 X 3/4	20x20	75
1 X 1/2	25x15	40
1 X 3/4	25x20	40
1 X 1	25x25	50
1 1/4 X 1 1/4	32x32	24
1 1/2 X 1 1/2	40x40	24
2 X 2	50x50	10

### uPVC SOLVENT CEMENT (TUBE)

Quantity in ml	Std. Pkg.
25ml	64
50ml	50

### BRASS MTA



Size (inch)	Size (mm)	Std. Pkg.
1/2 X 1/2	15x15	100
3/4 X 1/2	20x15	100
3/4 X 3/4	20x20	75
1 X 1/2	25x15	40
1 X 3/4	25x20	40
1 X 1	25x25	40
1 1/4 X 1 1/4	32x32	20
1 1/2 X 1 1/2	40x40	16
2 X 2	50x50	10

### uPVC SOLVENT CEMENT (TIN)

Quantity in ml	Std. Pkg.
50ml	30
120ml	24
240ml	24
480ml	12
960ml	6

## uPVC HEAVY DUTY SOLVENT CEMENT - HSN CODE - 3506

### uPVC HEAVY DUTY SOLVENT CEMENT (TIN)



Quantity in ml	Std. Pkg.
120ml	24
240ml	24
480ml	12
960ml	6

\* Warranty applicable only if PARAS Super-Flow uPVC Pipes & Fittings is used with PARAS uPVC Solvent for Jointing.

New



### NON RETURN VALVE

Size (inch)	Size (mm)	Std. Pkg.
3/4	20	25
1	25	24

### BRASS ELBOW



Size (inch)	Size (mm)	Std. Pkg.
1/2 X 1/2	15x15	75
3/4 X 1/2	20x15	50
3/4 X 3/4	20x20	50
1 X 1/2	25x15	50
1 X 3/4	25x20	30
1 X 1	25x25	30

**Save Water.. Save Nation..**



Quality Product



Lowest Bacterial Growth