

# PLUMBING

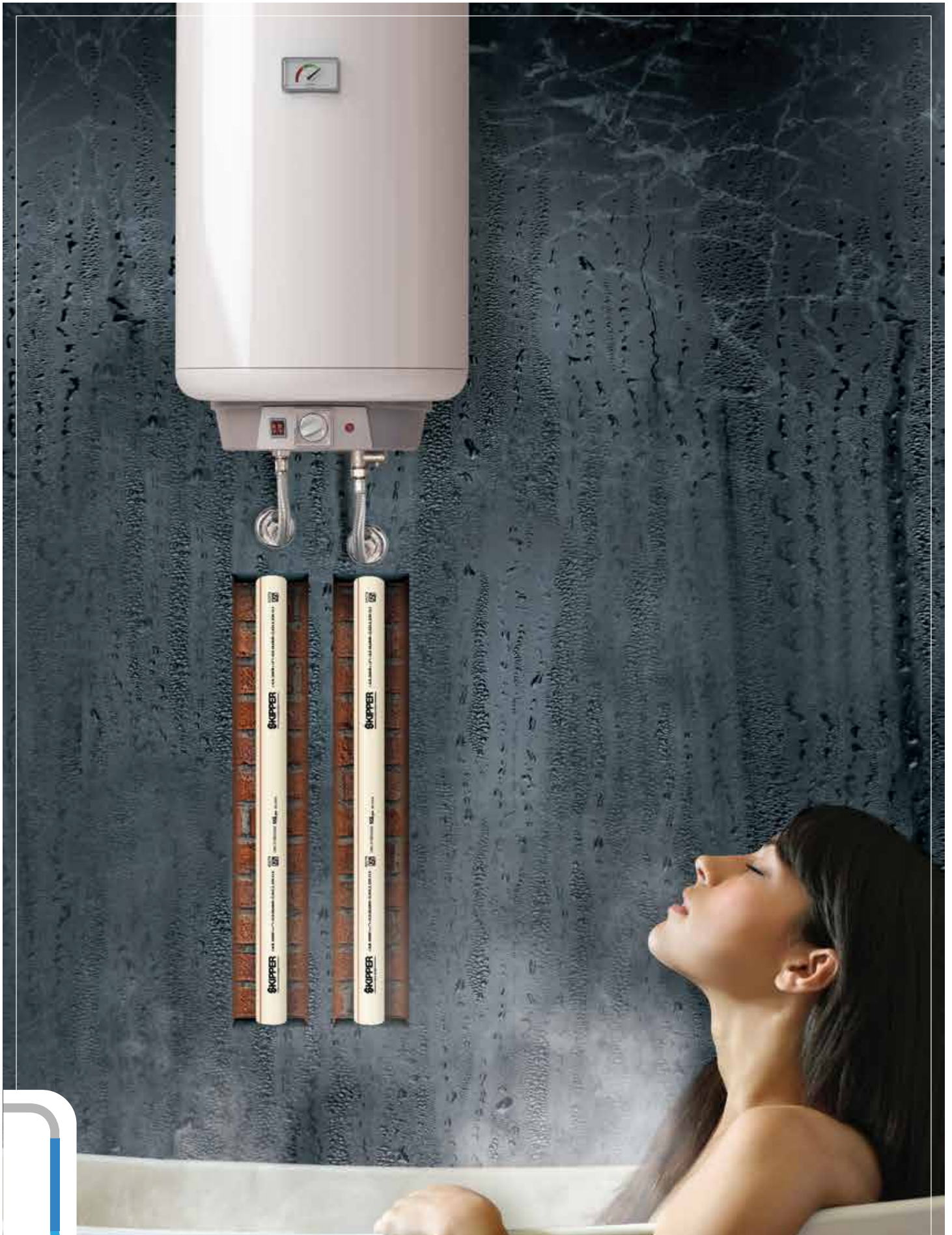
CPVC PIPES & FITTINGS

UPVC PIPES & FITTINGS

*The strength*  
you can trust for life









CPVC Pipes

made from



## CPVC PIPES & FITTINGS

Ideal for HOT & COLD Water Supplies

**Skipper CPVC Plumbing System** is the most ideal solution for Hot & Cold Water Applications. Skipper follows strict quality control on the choice of raw material & finished goods. Its pipes are best substitute to conventional GI Piping systems. Skipper CPVC is simple, easy, user friendly and easy to install with many other features and is certified by NSF.

IS 15778 : 2007



CML - 5100025366



### Product Range

PIPES	FITTINGS
15 mm ( 1/2" ) to 150 mm (6")	15 mm (1/2") to 100 mm (4")

### Installation Guide

#### Solvent Welding

\*Threaded or Brass insert end joints will be as per standard installation procedures.



Cutting



Deburring



Test Dryfit of  
the joint



Application of  
Solvent Cement



Application of  
Solvent Cement



Assembly of  
Joints

### Standards

PIPES			FITTINGS		
Size (mm)	Class	Standard	Size (mm)	Class	Standard
15mm to 50mm	SDR 11 & SDR 13.5	IS 15778	15mm to 50mm	SDR 11	ASTM D 2846
65mm to 150mm	SCH-40 & SCH-80	ASTM F 441	65mm to 100mm	SCH-80	ASTM F 439

# CPVC PIPES & FITTINGS

Ideal for HOT & COLD Water Supplies

## Dimensions | As per IS 15778 : 2007







Nominal Size	Outside Diameter		SDR 11				SDR 13.5			
			Wall Thickness		Working Pressure		Wall Thickness		Working Pressure	
	Min	Max	Min	Max	At 27°C	At 82°C	Min	Max	At 27°C	At 82°C
mm(Inch)	(mm)	(mm)	(mm)	(mm)	(Kg/cm <sup>2</sup> )	(Kg/cm <sup>2</sup> )	(mm)	(mm)	(Kg/cm <sup>2</sup> )	(Kg/cm <sup>2</sup> )
15 (1/2")	15.8	16.0	1.7*	2.2*	28.14	6.93	1.4*	1.9*	22.22	5.6
20 (3/4")	22.1	22.3	2.0	2.5	28.14	6.93	1.7	2.2	22.22	5.6
25 (1")	28.5	28.7	2.6	3.1	28.14	6.93	2.1	2.6	22.22	5.6
32 (1 1/4")	34.8	35.0	3.2	3.7	28.14	6.93	2.6	3.1	22.22	5.6
40 (1 1/2")	41.2	41.4	3.8	4.3	28.14	6.93	3.1	3.6	22.22	5.6
50 (2")	53.9	54.1	4.9	5.5	28.14	6.93	4.0	4.6	22.22	5.6






\* All dimensions with (\*) are not functions of SDR

## As per ASTM F 441

Nominal Size	Outside Diameter	Schedule 40				Schedule 80			
		Wall Thickness		Working Pressure		Wall Thickness		Working Pressure	
		Min	Max	At 27°C	At 82°C	Min	Max	At 27°C	At 82°C
mm(Inch)	(mm)	(mm)	(mm)	(Kg/cm <sup>2</sup> )	(Kg/cm <sup>2</sup> )	(mm)	(mm)	(Kg/cm <sup>2</sup> )	(Kg/cm <sup>2</sup> )
65 (2 1/2")	73.00(+/-0.18)	5.16	5.77	21.10	5.3	7.01	7.85	29.57	7.43
80 (3")	88.90(+/-0.20)	5.49	6.15	18.25	4.58	7.62	8.53	26.0	6.32
100 (4")	114.30(+/-0.23)	6.02	6.73	15.49	3.87	8.56	9.58	22.53	5.6
150 (6")	168.30(+/-0.28)	7.11	7.97	12.64	3.16	10.97	12.29	19.68	4.89

## Features & Benefits

-  High Heat Resistance
-  Superior Mechanical Strength
-  Great Flame Resistance
-  Excellent Chemical Resistance
-  UV Resistance
-  Less shrinkage with Elevated Temperature

-  Anti Corrosion
-  Superior from the Hygiene Perspective
-  Relatively Low Cost
-  Maintenance Free
-  Leak Proof Joints

## Applications

- Residential, Commercial & School Buildings
- Public Utilities, swimming pools & industrial applications
- Distribution & Branch line for potable water supply
- Hot water lines of Solar Heaters
- RO & DM Water Plants



\* NSF / ANSI 14 certification is only valid for skipper CPVC pipes from 15mm to 50mm



# UPVC

## Lead Free Plumbing Pipes & Fittings

*Ultimate endurance for superflow performance*



### UPVC PIPES & FITTINGS

Ideal for Potable Water Distribution

**Skipper UPVC Lead Free Plumbing System** is a value added long-term plumbing solution for potable water transportation. UPVC Pipes and Fittings is one of the world's most sustainable products, making it ideal for long term use.



### Product Range

PIPES	FITTINGS
15 mm (1/2") to 200 mm (8")	15 mm (1/2") to 150 mm (6")

### Installation Guide : Solvent Welding

\*Threaded or Brass insert end joints will be as per standard installation procedures.



Cutting



Deburring



Test Dryfit of the joint



Application of Solvent Cement



Application of Solvent Cement



Assembly of Joints

### Standards

PIPES		
Size (mm)	Class	Standard
15mm to 200mm	SCH-40 & SCH-80	ASTMD - 1785

FITTINGS		
Size (mm)	Class	Standard
15mm to 150mm	SCH-80	ASTM D 2467



# UPVC PIPES & FITTINGS

Ideal for Potable Water Distribution

## Dimensions | As per ASTM D 1785

### Working Pressure Test Conditions for Water at 23° C for UPVC Plastic Pipe

Normal Size	Outside Diameter	SCH-40		SCH-80	
		Wall Thickness	Working Pressure	Wall Thickness	Working Pressure
mm(Inch)	(Kg/cm <sup>2</sup> )	(mm)	(Kg/cm <sup>2</sup> )	(mm)	(Kg/cm <sup>2</sup> )
15 (1/2")	21.34+/-0.10	2.77+0.51	42.40	3.73+0.51	59.75
20 (3/4")	26.67+/-0.10	2.87+0.51	33.75	3.91+0.51	48.50
25 (1")	33.40+/-0.13	3.38+0.51	31.60	4.55+0.53	44.25
32 (1 1/4")	42.16+/-0.13	3.56+0.51	26.00	4.85+0.58	36.60
40 (1 1/2")	48.26+/-0.15	3.68+0.51	23.25	5.08+0.61	33.00
50 (2")	60.32+/-0.15	3.91+0.51	19.65	5.54+0.66	28.70
65 (2 1/2")	73.02+/-0.18	5.16+0.61	21.10	7.01+0.84	29.55
80 (3")	88.90+/-0.20	5.49+0.66	18.25	7.62+0.91	26.00
100 (4")	114.30+/-0.23	6.02+0.71	15.5	8.56+1.02	22.50
150 (6")	168.28+/-0.28	7.11+0.86	12.6	10.97+1.32	19.65
200 (8")	219.10+/-0.38	8.18+0.99	11.2	12.70+1.52	17.50

## Features & Benefits



Excellent Mechanical Properties



Excellent Chemical Resistance



UV Resistance



Resistance to Scaling



Anti Corrosion



Superior from the Hygiene Perspective



Relatively Low Cost



Maintenance Free



Leak Proof Joints

## Applications

- Residential, Commercial & School Buildings
- Public Utilities, Swimming pools & Industrial applications
- Distribution & Branch line for potable water supply
- Lift & Gravity Irrigation Systems

