



# PIPING SYSTEM

PIPES AND FITTINGS



## SNOW PTE.LTD.

1B09-L03 Golden Haojia Industrial Compound 168 Magsaysay Road Sitio  
Centro Balucuc Apalit Pampanga 2016  
Tel: (02) 7002 0336

PVC-U WATER PIPES  
PVC-U DRAINAGE PIPES AND FITTINGS  
PVC ELECTRICAL CONDUITS

# CONTENTS

## UPVC WATER PIPES

- 3**
- 5 Product Introduction
  - 5 Product Features
  - 5 Applications
  - 7 Performance Standard
  - 7 Performance Indicators
  - 7 Pipe Series

## UPVC DRAINAGE PIPES AND FITTINGS

- 7**
- 9 Product Introduction
  - 9 Product Features
  - 9 Applications
  - 11 Performance Standard
  - 11 Performance Indicators
  - 11 Pipe Series
  - 12 Fitting Series Fitting Color: Brownish Red

## UPVC ELECTRICAL CONDUITS

- 11**
- 13 Product Introduction
  - 13 Product Features
  - 13 Applications
  - 15 Pipe Performance Indicators
  - 15 Pipe Series

# About Us

## BRAND STORY / BRAND PROFILE

In an era of global economic prosperity, the construction industry faces unprecedented opportunities and challenges, promoting new perspectives on the relationships between humans, nature, and society. Born out of the well-being of 8 billion people worldwide, SNOW has emerged as an internationally renowned brand with a commitment of building green, livable, and efficient ideal cities. Taking innovation and technology as its guiding principle, SNOW emphasizes high-quality products, and advocates for green ecology as the core of social development, positioning itself as a global leading pipe manufacturer.

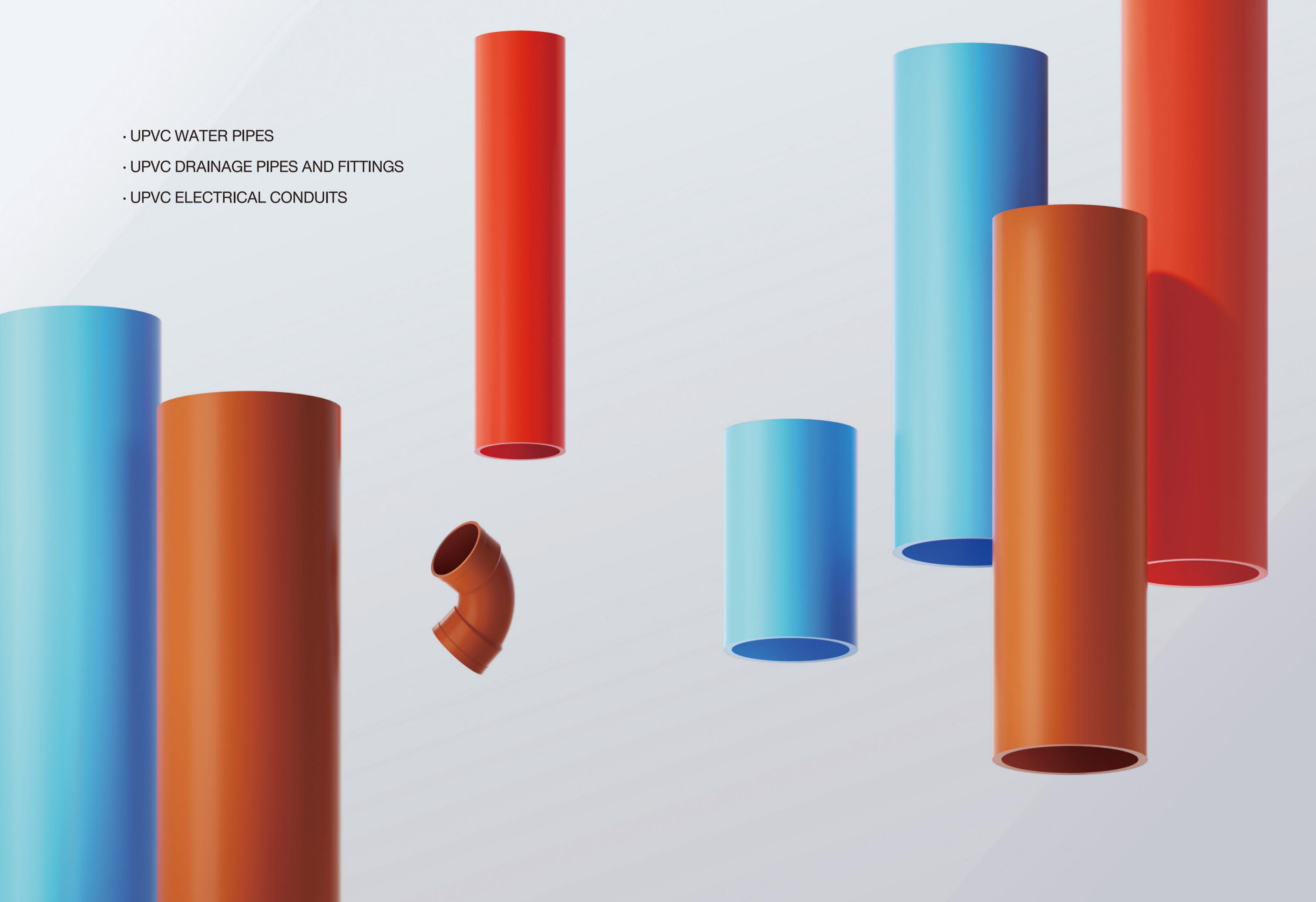
SNOW, since its establishment in 1986, has evolved into a comprehensive multinational brand specializing in pipeline and building materials with diversified development. Its business portfolio spans pipelines, building materials and home furnishings, new energy, and other sectors. The product range covers pipelines, plumbing and bathroom fixtures, waterproofing, roof sheets, and photovoltaics. SNOW is recognized as the world's largest manufacturer of piping systems.

Committed to research and innovation, SNOW boasts a dedicated team of over 1,000 researchers. The brand has played a pivotal role in developing and revising more than 120 international, national, and industry standards. With an active globalization strategy, SNOW continues to expand its footprint in the international markets, with over 30 major production bases established worldwide. Its industrial and sales network covers Asia, North America, South America, Europe, Africa and Oceania, ensuring a timely and efficient delivery of high-quality products and services across continents.

Looking ahead, SNOW remains steadfast in its pursuit of product excellence, creativity, and sustainable development. Through collaborations with local stakeholders, SNOW aims to enhance living environments and improve life quality worldwide, contributing significantly to the vision of green, livable, and efficient cities.



- UPVC WATER PIPES
- UPVC DRAINAGE PIPES AND FITTINGS
- UPVC ELECTRICAL CONDUITS



## PRODUCT RANGE

# UPVC WATER PIPES

## PRODUCT INTRODUCTION

As a maturely developed water pipe material, UPVC water pipes have superior performances such as strong acid resistance, alkali resistance, corrosion resistance, good pressure resistance, high strength, light weight, low fluid resistance, no secondary pollution, low price, compliance with hygiene requirements, and convenient construction and operation. They are widely used in fields such as residential buildings and agricultural irrigation. The products have undergone strict tests, and the material has passed hygiene and safety certification, meeting various hygiene index requirements, and building a healthy water supply guarantee with hygienic and environmental protection characteristics.



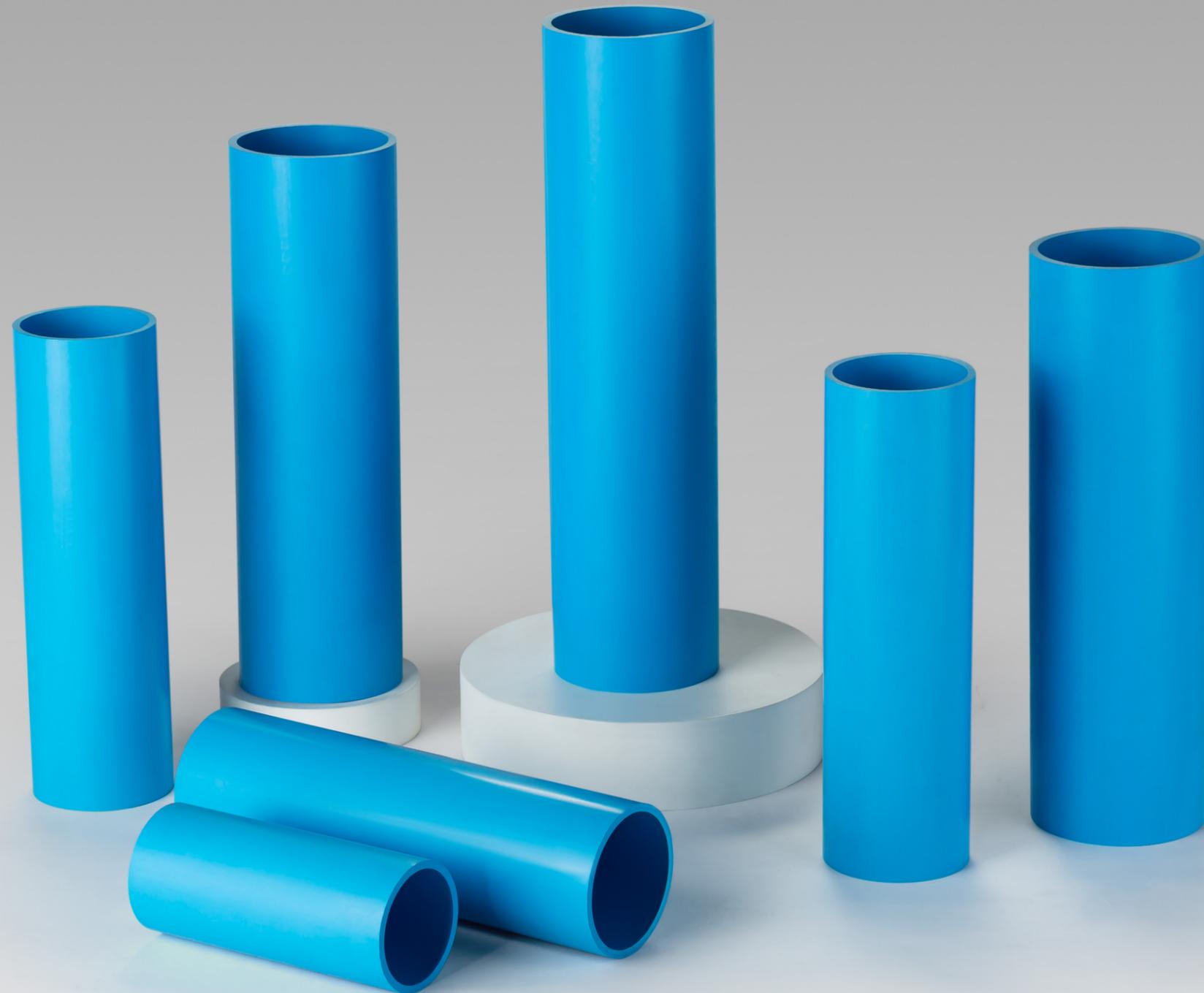
## PRODUCT FEATURES

- **Light weight:** Easy to load and unload – low density, convenient for handling, loading, unloading and construction;
- **Corrosion resistance:** PVC material is resistant to acid and alkali corrosion;
- **High mechanical strength:** The pipe has good pressure resistance, impact resistance and tensile strength;
- **Simple construction:** Pipe connection and construction are fast and easy, with low construction project cost;
- **Affordable cost:** Low price, convenient transportation and construction, and long service life;
- **Hygienic and healthy:** meets standard hygiene requirements, hygienic, lead-free and non-toxic.



## APPLICATIONS

- Widely used in fields such as residential buildings, residents' daily life, and agricultural irrigation.



## /// PERFORMANCE STANDARD

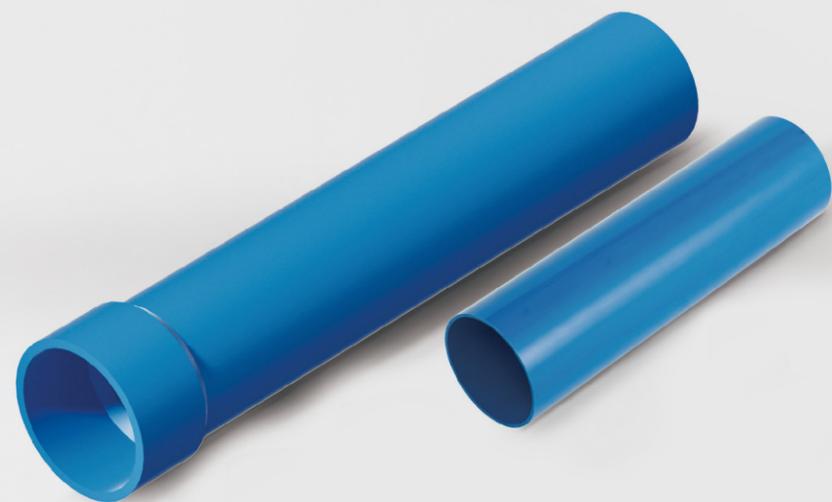
Performance Standard for Pipes: QHW 18-2025

## /// PERFORMANCE INDICATORS

Test Item	Technical Requirements
Hydrostatic Strength (20°C,1h)	No rupture, no leakage
Density	1350kg/m <sup>3</sup> –1550kg/m <sup>3</sup>
Vicat Softening Temperature	≥78°C
Longitudinal Reversion*	≤5%
Drop Weight Impact (calculated by TIR)	≤10%
Hygienic Performance	In line with the provisions of GB/T 17219

## /// PIPE SERIES

Product Name	SAP Number	Size (mm)	Inch	Wall Thickness (mm)
SNOW Philippines UPVC Water Pipe (Belled end)	8010016672	dn20	1/2"	1.7
	8010016673	dn25	3/4"	1.7
	8010016674	dn32	1"	2.0
	8010016675	dn40	1-1/4"	2.5
	8010016676	dn50	1-1/2"	3.1
	8010016677	dn63	2"	3.9
	<b>Notes:</b> * The standard length of pipes is 3 meters, and other lengths can be customized. * Pipe color: Blue.			



## PRODUCT RANGE

# UPVC DRAINAGE PIPES AND FITTINGS

## PRODUCT INTRODUCTION

SNOW UPVC drainage pipes are divided into two categories: flared straight pipes and straight pipes, which can be connected by bonding. The product has good corrosion resistance and an incomparably long service life compared with cast iron pipes. The product is light in weight, and has the characteristics such as convenient handling, installation and simple connection in construction. It is widely used in fields such as civil buildings, municipal administration, industrial and commercial drainage and sewage discharge. The inner wall of the pipe product is smooth, enabling efficient drainage without blockage, and it is corrosion-resistant, tensile, more stable and durable, effectively safeguarding space cleanliness and environmental safety.



## PRODUCT FEATURES

- **Good aging resistance:** normal service life can reach more than 50 years.
- **Strong corrosion resistance:** resistant to corrosion, and PVC material is resistant to acid and alkali corrosion.
- **Smooth drainage and anti-blocking:** the pipe has a small friction coefficient, smooth water flow and is not easy to be blocked.
- **Excellent material performance:** the material has a high oxygen index and self-extinguishing property. The pipe has a small linear expansion coefficient and small deformation under the influence of temperature.
- **Light weight, easy to load and unload:** pipes and fittings can be connected by bonding, with simple construction and installation.
- **Hygienic and healthy:** meets standard hygiene requirements, hygienic, lead-free and non-toxic.



## APPLICATIONS

- Used for the discharge of indoor and outdoor domestic sewage and waste water in various civil residences, public buildings (such as schools, hospitals, shopping malls) and industrial plants.



### PERFORMANCE STANDARD

Performance Standard for Pipes: Q/HW 12-2024  
 Performance Standard for Fittings: Q/HW 23-2025

### PERFORMANCE INDICATORS

Performance indicators of pipes are as follows:

Test Item	Performance Requirement
Vicat Softening Temperature	≥ 79 °C
Longitudinal Reversion	≤ 9 %
Drop Weight Impact (TIR)	≤ 10 %
Resistance to Acetone	No delamination, no decomposition
Lead Limit	Not more than 0.005% (mass fraction)

Performance indicators of fittings are as follows:

Test Item	Performance Requirement
Fitting Tightness	No rupture, no leakage
Resistance to Acetone	No delamination or disintegration

### PIPE SERIES

Product Name	SAP Number	Size (mm)	Wall Thickness (mm)
 <p><b>SNOW UPVC</b> Drainage Pipe (Belled end)</p>	8020014934	57 (2")	1.8
	8020014935	57 (2")	1.6
	8020014936	82 (3")	2.8
	8020014937	82 (3")	1.8
	8020014938	107 (4")	2.8
	8020014939	107 (4")	1.8
	8020014940	160 (6")	2.6
	8020014941	200 (8")	3.5
	8020014942	250 (10")	3.5
	8020014943	315 (12")	4.5
 <p><b>SNOW</b> UPVC Drainage Pipe</p>	8020014944	400 (16")	7.0
	8020015009	57 (2")	1.8
	8020015010	57 (2")	1.6
	8020015011	82 (3")	2.8
	8020015012	82 (3")	1.8
	8020015013	107 (4")	2.8
	8020015014	107 (4")	1.8
	8020015015	160 (6")	2.6
	8020015016	200 (8")	3.5
	8020015017	250 (10")	3.5
8020015018	315 (12")	4.5	
8020015019	400 (16")	7.0	

Notes:  
 \* Pipe length: 3M \* Pipe Color: Brownish Red



### FITTING SERIES FITTING COLOR: BROWNISH RED

Product Name	SAP Number	Size (mm)
 <p><b>Tee</b></p>	8020027522	57 (2")
	—	82 (3")
	8020027758	107 (4")
	8020027523	160 (6")
 <p><b>Tee Reducer</b></p>	8020027719	82 (3")×57 (2")
	8020027720	107 (4")×57 (2")
	—	107 (4")×82 (3")
 <p><b>Wye</b></p>	8020027759	160 (6")×107 (4")
	—	57 (2")
 <p><b>Wye Reducer</b></p>	—	107 (4")
	—	107 (4")×57 (2")
 <p><b>Elbow 90°</b></p>	8020027520	57 (2")
	8020027521	82 (3")
	—	107 (4")
	—	160 (6")
 <p><b>Elbow 45°</b></p>	—	57 (2")
	8020027519	82 (3")
	8020027756	107 (4")
	8020027757	160 (6")
 <p><b>Coupling</b></p>	8020027754	57 (2")
	8020027755	82 (3")
	8020027718	107 (4")
	—	160 (6")

## PRODUCT RANGE

# UPVC ELECTRICAL CONDUITS

## PRODUCT INTRODUCTION

UPVC electrical conduits, usually called threading pipes, have a variety of excellent characteristics. They are widely used in residential building power and communication projects as pipes for protecting and ensuring the wiring of wires or cables. They are applied in urban power grids, communication infrastructure, data centers and building intelligence scenarios, and have the advantages of insulation, flame retardancy, anti-leakage and impact resistance, which can effectively ensure the safety of power transmission and signal stability. The color of UPVC electrical conduit pipes and fittings is orange-red, and the performance standard for pipes is Q/HW 15-2024.



## PRODUCT FEATURES

- **Excellent insulation:** It has high voltage breakdown resistance, avoiding the danger of electrification.
- **Strong impact resistance:** It can bear pressure, and when embedded in concrete, it is resistant to pressure and impact damage.
- **Excellent fire resistance:** It has a high oxygen index and is flame-retardant, and can extinguish quickly after leaving the flame, helping to prevent the spread of fire.
- **Moisture, acid and alkali resistance:** It is resistant to moisture, corrosion, acid and alkali.



## APPLICATIONS

- Widely used in fields such as urban power grid construction and transformation, communication network infrastructure construction, data centers and building intelligence scenarios.



## PIPE PERFORMANCE INDICATORS

The pipe performance shall comply with the requirements of Q/HW 15-2024 standard.

Property	Performance Requirement	Test Method
Vicat Softening Temperature	≥76 C	ISO 2507-1
Heat Reversion	≤5%	ISO 2505-1
Water Absorption	≤40g/m <sup>2</sup>	ISO 8361-1
Tensile Strength at 28 C	≥27.5MPa	ISO 6259-1
Elongation at Break	≥15%	ISO 6259-1
Resistance to Burning	When the conduit is held in the flame for one minute, the flame shall extinguish itself in less than 30 seconds after the removal of the flame.	/
Resistance to External Blows	TIR≤10%	ISO 3127
Flattening	Flattened to 40%dn, no evidence of splitting, cracking or breaking	ASTM D2241
Resistance to Acetone	No sign of delamination or disintegration	ISO 3472

## PIPE SERIES

Note: Pipes include straight pipes and flared straight pipes; the color is orange-red; the length is 3m, and customization can also be made according to customer requirements.

Product Name	SAP Number	Nominal Outside Diameter (mm)	Inch	Wall Thickness (mm)
SNOW UPVC Electrical Conduit (Belled end)	8030052133	dn20	1/2"	1.0
	8030052134	dn25	3/4"	1.1
	8030052135	dn32	1"	1.2
	8030052136	dn40	1-1/4"	1.2
	8030052137	dn50	1-1/2"	1.2
	8030052138	dn63	2"	2.0
	8030052139	dn75	2-1/2"	2.3
	8030052140	dn90	3"	2.8
	8030052141	dn110	4"	3.4
	8030052142	dn160	6"	4.9

