



KANOK PRODUCT CO., LTD.

PRODUCT CATALOGUE

MADE IN THAILAND

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COMPANY PROFILE



KANOK PRODUCT CO., LTD. is a leading Thai manufacturer, distributor and exporter of high-quality water supply and irrigation systems for agricultural applications. With a strong cost advantage based in Thailand, we offer over 9,000 plastic water supply products under the trusted brands **KANOK**, **RED HAND** and **CHAIYO**. Our commitment lies in delivering innovative solutions, exceptional product quality and fostering long-term partnerships with customers around the world.



NEW PRODUCT

PRESSURE COMPENSATING CONNECTOR

3/4" x 1/2" Female Thread

Controls pressure and maintains a consistent water flow



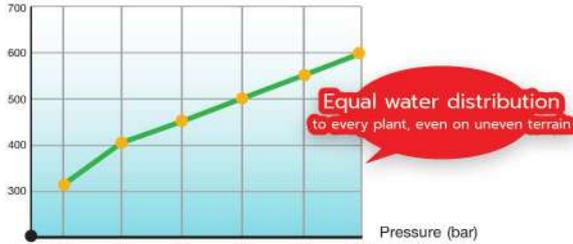
FOR SPRINKLERS

FOR MINISPRINKLERS

- Compatible with sprinklers and mini sprinklers, maintaining constant flow
- Uniform water distribution even under uneven pressure
- Ideal for sloped or uneven terrain, reducing over and under-watering
- Easy installation, high-quality material, long service life

Supports sprinklers and mini sprinklers with 1/2 inch and 3/4 inch threads operating flow rate: 310-600 liters/hour

Flow Rate (liters/hour)



Equal water distribution to every plant, even on uneven terrain

*Graph shows water flow rate (L/h) under different pressure levels (bar)

PRESSURE COMPENSATING SPRINKLER

1/2" Female Thread · 5/7 mm Micro Tube

Insect-Protection Design



- Uniform water output at every head, even with uneven pressure
- The sprinkler shuts off instantly, preventing insects from entering and clogging the nozzle.
- Suitable for uneven or sloped terrain, ensuring consistent water flow without over or under watering.
- Maintains constant flow rate for higher irrigation efficiency
- Strong, durable, easy to install, long service life

Pressure (bar)



ECCENTRIC REDUCER

Eccentric Reducer (Size 1"-4")



Prevents air vortex and air entrapment in suction pipelines

Asymmetrical (eccentric) reducer design one end socket-type, the other threaded end in an eccentric shape when installed on a pump suction line, the reduced section should face downward helps prevent air pockets, ensuring stable pump operation

PUMP CONNECTOR

Easy and Fast Water Priming



- Pump pressure and vibration are absorbed by the connector, protecting PVC pipes
- Prevents pipe damage, especially during pump on/off water hammer
- Easy installation with fewer fittings, reducing leakage points

**Can be used with brass fittings and pressure gauges to monitor system pressure

CYCLONE

(Hydraulic Sand Separator)



Flow rate: 35,000-50,000 liters/hour
Size: 2"-3"

Suitable for water systems with high sediment content



- Effectively removes sand and sediment
- Reduces clogging in all irrigation systems
- Extends the service life of drip emitters, sprinklers, and equipment
- Easy maintenance, durable, cost-effective

BACKWASH

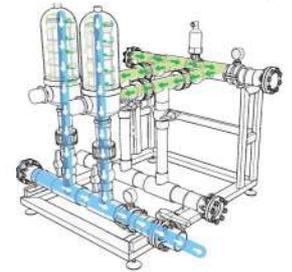
(AUTOMATIC OR SEMI-AUTOMATIC BACKWASH FILTER)



Flow rate: 40,000-110,000 liters/hour
Main pipe size: 3"-4"

When sediment accumulates and causes pressure differential, the system initiates backwashing

The system cleans itself by reversing clean water flow to flush the filter and discharge waste



The filter unit allows easy backwashing, clean operation, easy relocation, and no complex assembly



Flow rate
96,000 liters/hour

Automatic Backwash Filter System
2" Disc Filters (3 units) · 4" Main Pipe



Flow rate
40,000-96,000 liters/hour

Automatic Backwash Filter System
2"-3" Disc Filters (2 units) · 3"-4" Main Pipe



Flow rate
96,000 liters/hour

Automatic Backwash Filter System
2" Disc Filters (3 units) · 4" Main Pipe



Flow rate
110,000-128,000 liters/hour

Automatic Backwash Filter System
3" Disc Filters (4 units) · 3" Main Pipe

**NEW
PRODUCT**

TIMER Automatic Irrigation

Professional Control at Your Fingertips



Code product	640-FJ-01 1 Zone Model	640-FJ-02 2 Zone Model	640-FJ-GW01 1 Zone Model	640-FJ-GW02 2 Zone Model	8-FJ-WPS-015 Drip irrigation kit
Control Zones	1 Zone	2 Zone	1 Zone	2 Zone	-
Inlet Thread Size	3/4" Female Thread and 3/4" Reducer	-			
Maximum Flow Rate	35 L/min @ 3 bar	0.55 L/min			
Maximum Operating Pressure	8 bar				
Operating Temperature	3°C - 50°C				
Watering Frequency	Every 1-7 days	Every 1-7 days	Every 1-7 days	Every 1-7 days	1 second - 30 minutes
Automatic Watering Duration	1 min - 4 hr 59 min	1 second - 30 minutes			
Control System	Manual	Manual	WI-FI 2.4 GHz	WI-FI 2.4 GHz	Manual

PVC Drain End Cap (Blue)



Safely seals pipe end preventing reptiles and pests from entering



4-WAY COMPRESSION FITTING



SMART IRRIGATION CONTROLLER

A smart irrigation controller (also known as a Smart Water Control Panel) is a digital/IoT-based control system used to manage agricultural or automated water systems with higher convenience and precision.



Key Features

- Automatic on/off water scheduling
- Remote control via mobile device
- Supports moisture and rain sensors
- Instant alerts in case of system issues
- Saves water and electricity, reduces labor

SHORT PUSH-ROD FOOT VALVE



- Short push rod allows instant water release by lifting
- Reduces residual pressure, protecting the pump
- Easy maintenance without removing the valve

NEW

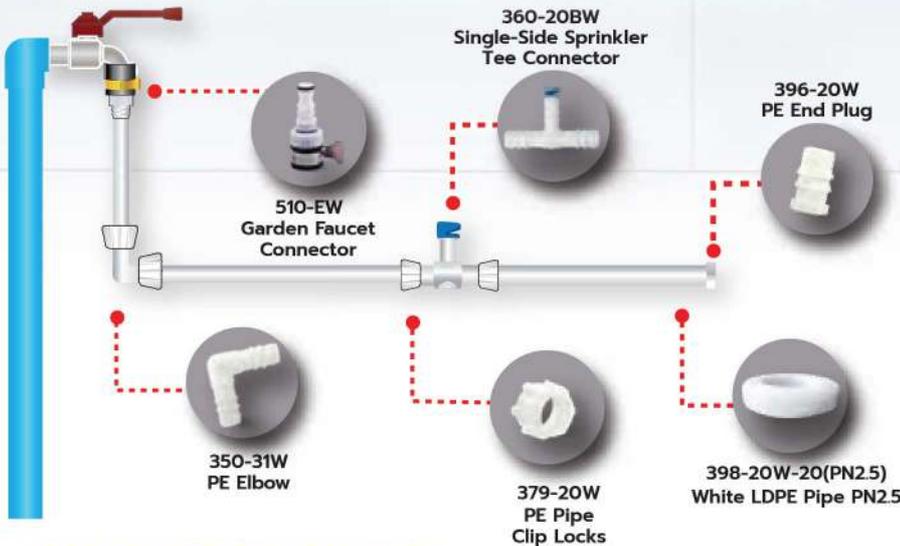
Product Code 9017-5

SET KIT

White Mini Sprinkler Kit, 10 Nozzles, 20 m Length



Water Distribution Example



Orifice Size (MM)	2.5
Pressure (Bar)	0.5-2.0
Flow Rate (L/Min)	2.4-4.2
Radius (M)	1.5-2.6

WHITE ZENITH



Covers an area of over 80 square meters
Ideal for small to medium-sized gardens

Fine, gentle water spray that does not damage plants

In-the-Box Components



SET 9013-2

SINGLE-SIDED SPRAY NOZZLE SET

Water flow rate: 156-288 Liters/Hour



SET 9013-3

BUTTERFLY-WING SPRAY NOZZLE SET

Water flow rate: 108-198 Liters/Hour



SET 9017-4

MINI SPRINKLER SET - F LEAF TYPE

Water flow rate: 90-114 Liters/Hour



SET 9017-2

MINI SPRINKLER SET - D LEAF TYPE

Water flow rate: 78-120 Liters/Hour

Misting Controller Cabinet

Automatic Misting System Controller

Transform your area into a refreshing space with an automatic misting system

On/Off timer control - Manual system

On/Off timer control via **smartphone**



MICRO MIST SPRAY NOZZLE

MICRO MIST SPRAY NOZZLE FOR AGRICULTURAL IRRIGATION

Delivers ultra-fine fog-like mist, ideal for greenhouse cultivation, nurseries, and high-humidity crops. Provides uniform coverage with minimal water usage.



Recommended item

374-11W(P)



8-UN-374-2



8-UN-374-T1



395-FT6



8-UN-PETUBE



374-10F



374-14OF



374-1W3



374-1WF



374-11W



374-C15W



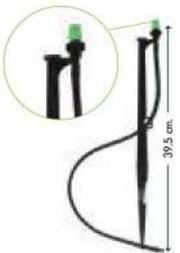
374-15WG(P)



374-14W



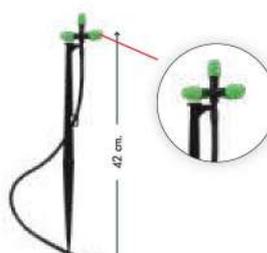
374-15W



3374-1



3374-SN4



374-V15W



374-11W12-1



374-14W12-1

Mist Sprayer Set

Product Code: 9019-KF7.5

Material: Brass

Easy installation
Fine mist spray

360°
adjustable rotation



Box Contents



Mist Sprayer Set

Material: Aluminum

Product Code: 9019-FJ-10

Easy to use
Adjustable mist direction
Durable and lightweight



Complete Set - Ready to Use



DRIP IRRIGATION SYSTEM

HIGH-EFFICIENCY EMITTERS DESIGNED FOR PRECISE WATER DELIVERY DIRECTLY TO THE PLANT ROOT ZONE. IDEAL FOR ROW CROPS, ORCHARDS, AND GREENHOUSE APPLICATIONS.

BENEFITS OF DRIPPERS

- Targeted watering at the root zone
- Efficient water usage and conservation
- Consistent soil moisture for healthy growth
- Minimizes weed growth and water waste
- Supports fertigation directly to roots
- Easy to install, adjust, and expand



371



371-A



371-M



371-1



371-1(4)



371-1(8)



371-M1



371-PE16



371-F4



371-F8



371-F16



371-S



371-SL



371-S1



371-S2



371-3



371-4

Drip tape



INNER FLAT EMITTER



6-DT10-100



6-DT10-1000(0.2)

Drip tape fitting



Drip Tape Straight Fitting – 16 mm



PermaNet to Drip Tape Straight Fitting – 16 mm



PE to Drip Tape Straight Fitting – 16–20 mm



Drip Tape Fitting for Agriculture – 16 mm



Drip Tape Tee Fitting – 16 mm



6-Outlet Drip Tape Distributor, Female Thread 1"

Drip tape valve



Drip Tape Shut-Off Valve (Branch Type) – 16 mm



Drip Tape Shut-Off Valve (Branch Type) – 16 mm



End Plug for PermaNet Tubing (16–20 mm)



PermaNet Hole Grommet (5/7–32 mm)



PermaNet Curved Pipe Seal (16–20 mm)

SPRAY NOZZLES

SPRAY NOZZLES ARE DESIGNED FOR USE IN A WIDE RANGE OF IRRIGATION APPLICATIONS INCLUDING CROP WATERING, GREENHOUSE MISTING, AND GARDEN MAINTENANCE. THEY ENSURE EVEN WATER DISTRIBUTION, REDUCE WATER WASTAGE AND SUPPORT HEALTHY PLANT GROWTH. IDEAL FOR WATER SPRAYING APPLICATIONS ON FARMS, ORCHARDS, AND GARDENS.

KEY FEATURES:

- Adjustable water spray pattern for targeted or wide coverage
- Durable construction, suitable for outdoor conditions
- Available in various sizes and connector types



360-N8



360-N12



360-N17



374



374-N



374-B1



374-S



374-A



374-APE



374-B2



375



376-1



376



374-C



374-BC



375-C



375-2C



375-3C



360-111A



360-111B



360-111C



360-1



360-2



360-11C



370-3



370-4



360-101



360-22A



360-22B



360-22C



3374



3374-V



3374-B



3374-BV



3375



3375-V

MINISPRINKLER

EFFICIENT AND GENTLE IRRIGATION SOLUTION IDEAL FOR ORCHARDS, NURSERIES, VEGETABLE FARMS, LANDSCAPED AREAS, GREENHOUSES, FRUIT TREES, FLOWERS AND SEEDLINGS.

KEY FEATURES & BENEFITS

- Uniform water distribution – Covers a wide area with fine droplets.
- Low water pressure required – Operates efficiently on low-pressure systems.
- Gentle on crops – Delivers soft spray, preventing damage to delicate plants.
- Easy installation and repositioning.

MINISPRINKLER MODEL A (ANTI-INSECT TYPE)



321-A

311-A

321-AC



321-AV



321-B



311-B



321-BC



321-BV

MINISPRINKLER MODEL B (HIGH-SPRAY TYPE)

MINISPRINKLER MODEL C (LONG-RANGE MIST TYPE)



321-C

311-C

321-CC(CY)

321-CC

321-CC

3222-C(C)

321-CV



MINISPRINKLER MODEL D (FINE MIST TYPE)



321-D1

321-D2

321-D3

321-D4

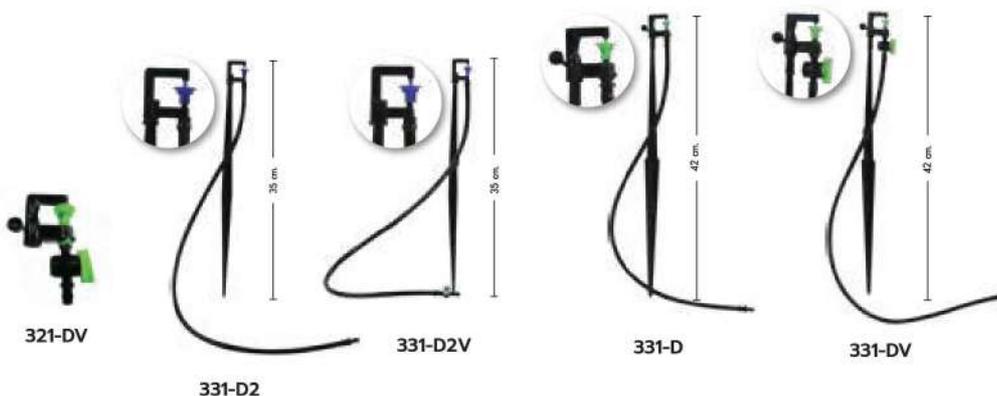
321-D5

321-DP

321-D

311-D

321-DC



321-DV

331-D2

331-D2V

331-D

331-DV

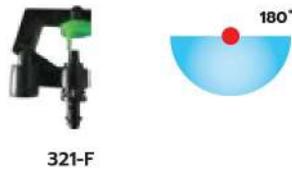


MINISPRINKLER

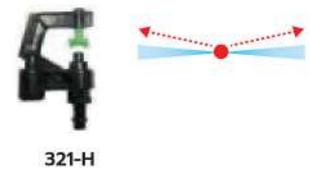
MINISPRINKLER MODEL E-PE INLET
(IMPACT HEAD TYPE)



MINISPRINKLER MODEL F-PE INLET
(PEACOCK-TAIL IMPACT TYPE)



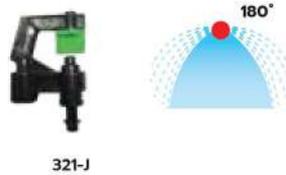
MINISPRINKLER MODEL H-PE INLET
(DUAL-JET IMPACT TYPE)



MINISPRINKLER MODEL I-PE INLET
(DUAL-JET IMPACT SPRAY TYPE;
TWO WAY DIRECTIONAL)



MINISPRINKLER MODEL J-PE INLET
(180° WIDE-ANGLE IMPACT TYPE)



MINISPRINKLER MODEL K – PE INLET
(360° INVERTED IMPACT TYPE)



MINISPRINKLER MODEL L-PE INLET
(45° NARROW-ANGLE IMPACT TYPE)



MINISPRINKLER 2-IN-1 MODEL



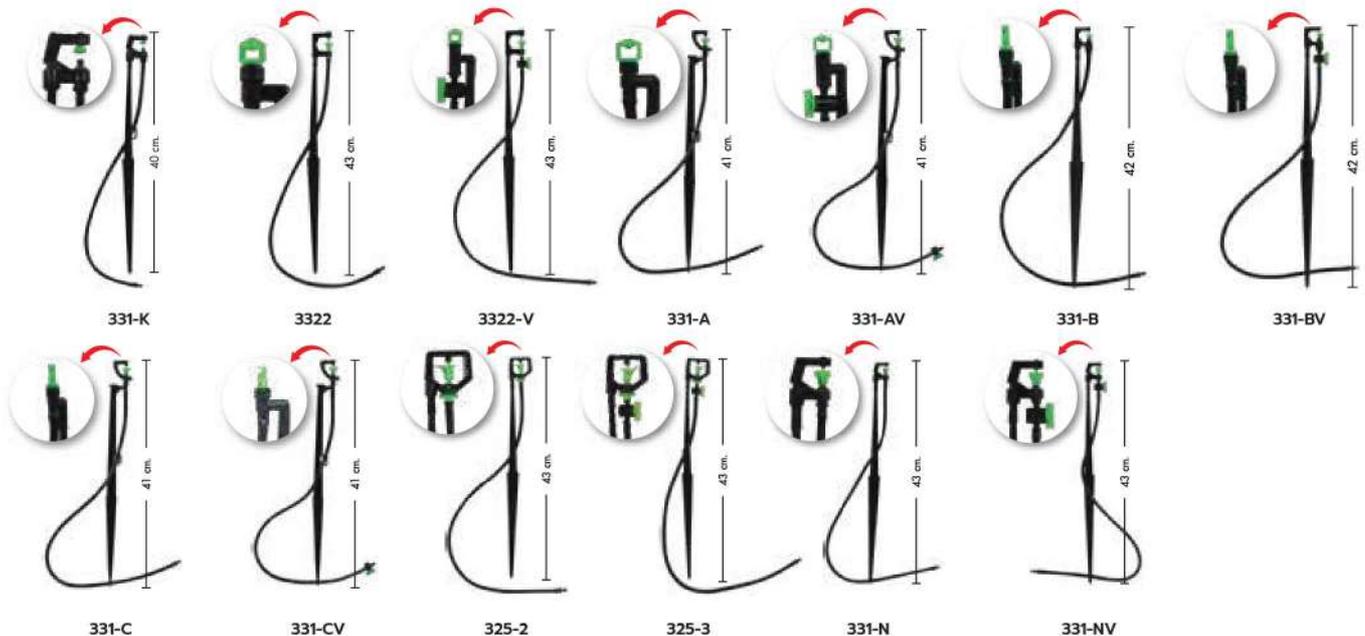
MINISPRINKLER WITH
ADJUSTABLE DEFLECTOR



MINISPRINKLER WITH
NUNI BLADE (FINE MIST)

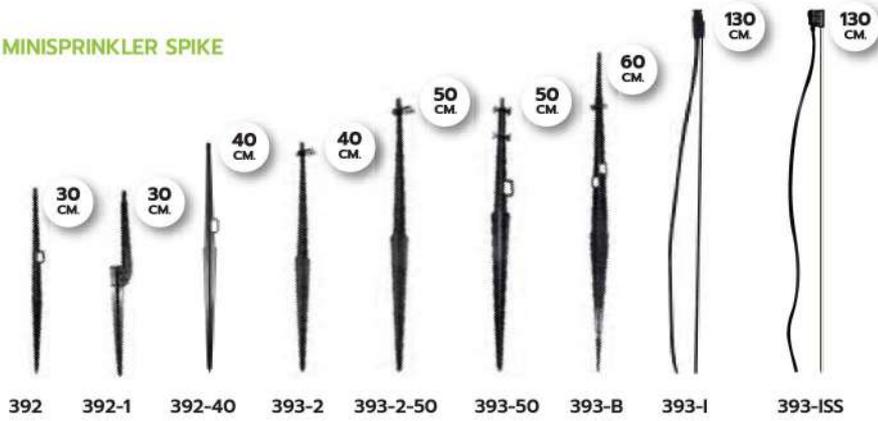


MINISPRINKLER WITH SPIKE



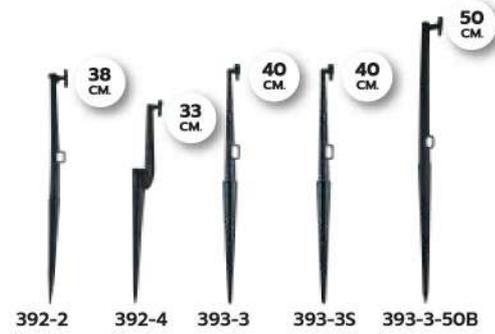
MINISPRINKLER

MINISPRINKLER SPIKE



392 392-1 392-40 393-2 393-2-50 393-50 393-B 393-I 393-ISS 392-2 392-4 393-3 393-3S 393-3-50B

BUTTERFLY WING SPIKE WITH MICRO MIST SPRAY NOZZLE



392-2 392-4 393-3 393-3S 393-3-50B

MICRO TUBE



4/6 MM

397-4-10
397-4-20



12 MM

397-12-20
397-12-50



3/5 MM

5/7 MM

397-PE-(3/5)W
397-PE-(5/7)W



3/5 MM

5/7 MM

397-3/5-100
397-5/7-100



3/5 MM

5/7 MM

397-PVCA(3/5)
397-PVCA(5/7)

EQUIPMENT FOR MINISPRINKLER, MICRO TUBE AND PE PIPE



394-S 3/5 MM. 395-S 3/5 MM. 394 5/7 MM. 395 5/7 MM. 395-2S 3/5 MM. 395-3S 5x3x5 MM. 395-4S 3/5 MM. 394-3S 5/7 MM. 395-3 5/7 MM. 394-4 5/7 MM.



395-5 12x12x12 MM. 395-6 12x7x12 MM. 395-8 12 MM. 367-1 5/7 MM. 368-1 5/7 MM. 367-2 5/7 MM. 368-2 5/7 MM. 395-11 12 MM. 395-12 12 MM. PermaNet 16 MM. PermaNet 20 MM.



374-2 5/7 MM. 395-7 12 MM. 395-F 396 399-PE2 3/5, 5/7 MM. 513 12 MM, 5/7 MM. 371-5 3/7 MM. 399 5/7 MM. 399-S 5/7 MM. 399-PE 16-20 MM.

PVC SOCKET FOR MICRO IRRIGATION



306-13
1/2"



306-15
1/2" (1 Hole)



306-16
1/2" (2 Hole)



306-15T
1/2" (1 Hole, Male Thread)



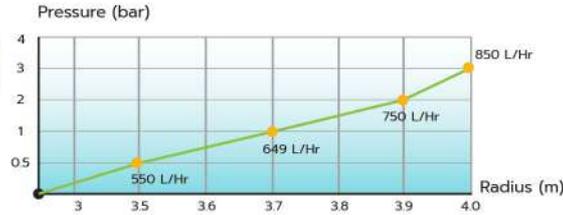
306-16T
1/2" (2 Hole, Male Thread)

SPRINKLER



Recommended Item

301B-R



RAIN-TYPE SPRINKLER



318



318-D



318-T



319-C



319-CY2



318-11

DOUBLE-BLADE SPRINKLER



300B



300BR



300B-C1



300B-L



300B-RL



300B-V1



300B-V3



300



300R



300-C1



300-V1



300-L



300RL



300RLC

HIGH-THROW "HORSE EAR" SPRINKLER



301A-L



301A-RL



301A



301A-R



301A-C1



301A-V1



301A-V3



301A-1

WIDE-COVERAGE "ELEPHANT EAR" SPRINKLER



301B



301B-C1



301B-V1



301B-GV1



301B-L



301B-RL



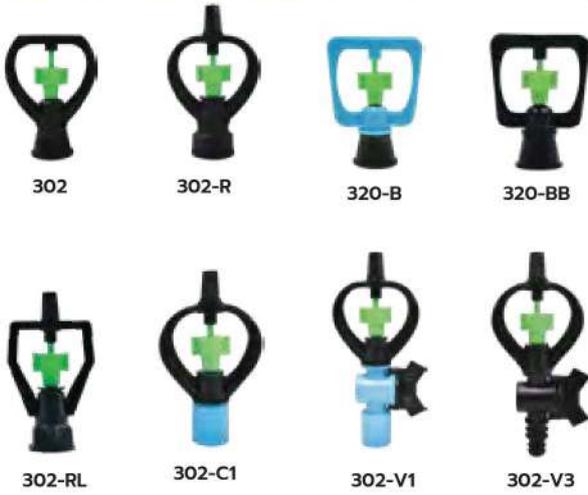
301B-V3



301B-1

SPRINKLER

TWO-WAY LONG-RANGE SPRINKLER WITH SQUARE FRAME



Solve unequal pressure issue



Pressure-compensated up to 95 L/H

NEW



318-P



FINE MIST "BIG C" SPRINKLER WITH SQUARE FRAME



NIKKO 2-IN-1 ADJUSTABLE SPRINKLER



LOTUS-HEAD SPRINKLER

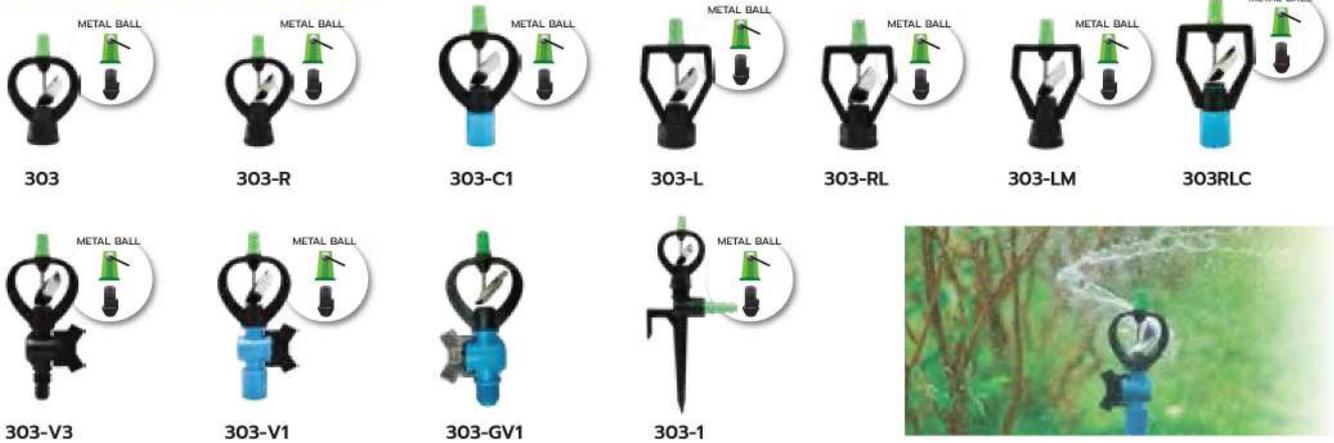


ANTI-INSECT SHIELD SPRINKLER

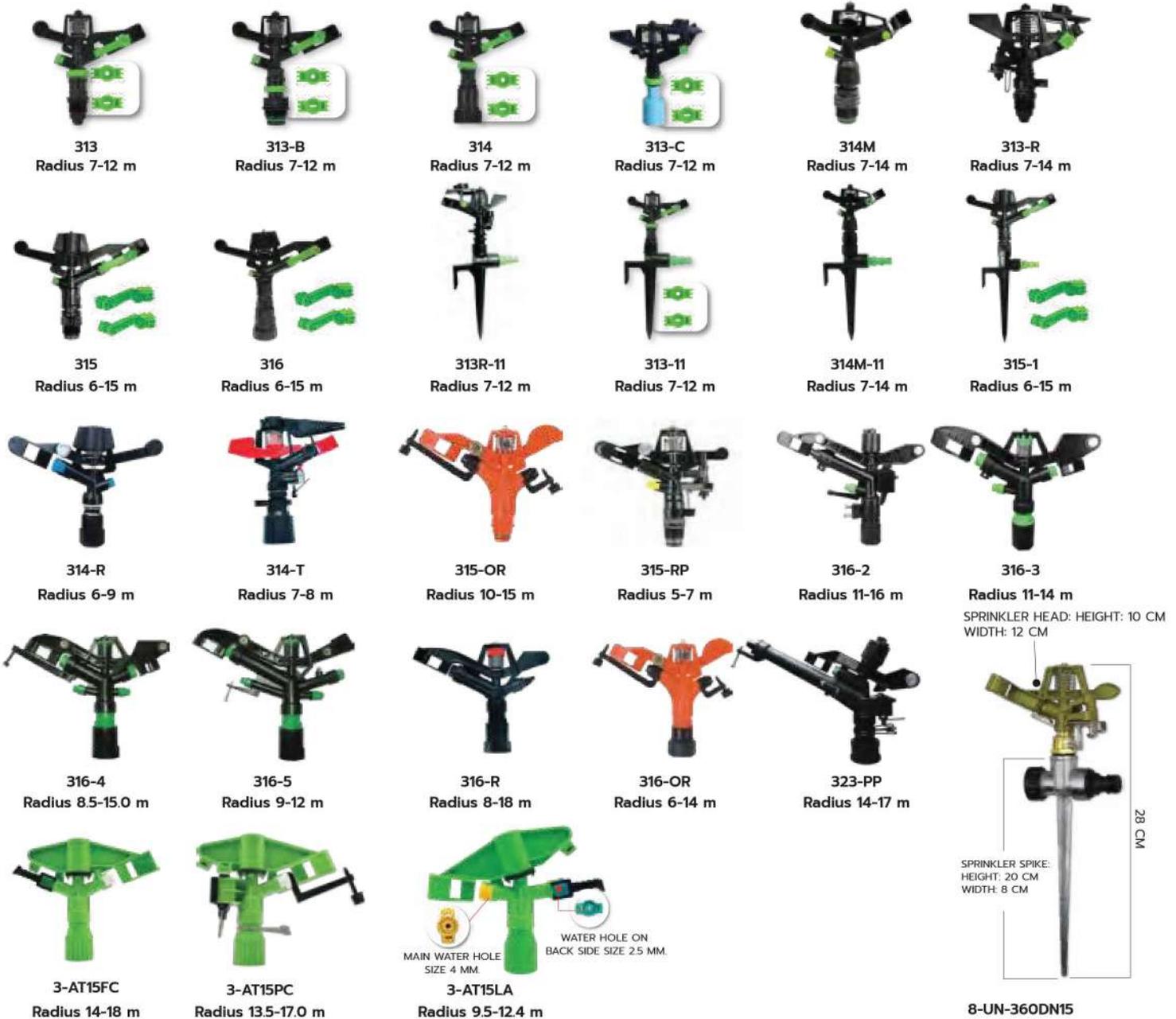


SPRINKLER

STAINLESS-STEEL BLADE SPRINKLER



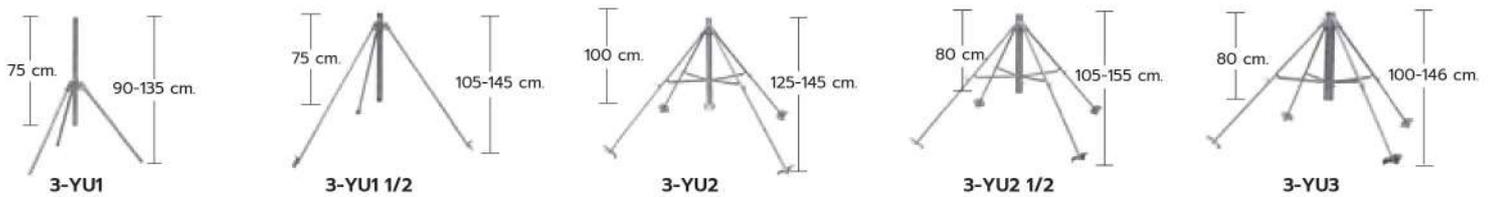
IMPACT SPRINKLER



IMPACT SPRINKLER



SPRINKLER STAND



QUICK-COUPLING ALUMINUM CONNECTOR



FOOT VALVE



FOOT VALVE WITH SUCTION HOSE AND SPRING VALVE - BLACK COLOR SIZE 2"-4"



FOOT VALVE WITH SUCTION HOSE AND SPRING VALVE - BLUE COLOR SIZE 2"-4"



FOOT VALVE WITH SUCTION HOSE WITH METAL VALVE - BLACK COLOR SIZE 2"-4"



FOOT VALVE WITH SUCTION HOSE WITH METAL VALVE - BLUE COLOR SIZE 2"-4"



FOOT VALVE WITH PIPE AND FITTINGS THAI-TYPE VALVE (BOLTLESS) - BLACK COLOR SIZE 2"-4"



FOOT VALVE WITH SUCTION HOSE THAI-TYPE VALVE (BOLTLESS) SIZE 2"



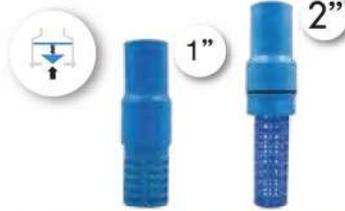
FOOT VALVE WITH PIPE AND FITTINGS AND SPRING VALVE - BLUE COLOR SIZE 2"-4"



FOOT VALVE WITH SUCTION HOSE AND SPRING VALVE (BOLTLESS) - BLACK COLOR SIZE 2 1/2"-3"



FOOT VALVE WITH PIPE AND FITTINGS AND METAL VALVES SIZE 2"-4"



FOOT VALVE WITH PIPE AND FITTINGS AND TAPERED VALVES SIZE 1"-2"



BEEHIVE-TYPE FOOT VALVE - FEMALE THREAD WITH BALL VALVE SIZE 2"-4"



FOOT VALVE WITH PIPE AND FITTINGS AND SPRING VALVE (BOLTLESS) SIZE 2 1/2"



FOOT VALVE - FEMALE THREAD WITH SPRING VALVE - BLACK COLOR SIZE 2"-4"



FOOT VALVE - FEMALE THREAD WITH METAL VALVE - BLUE COLOR SIZE 2"-4"



FOOT VALVE - FEMALE THREAD WITH METAL VALVE - BLUE COLOR SIZE 2"-4"



BOREHOLE FOOT VALVE WITH TAPERED VALVE SIZE 1"-2"



ITALIAN FOOT VALVE - FEMALE THREAD WITH SPRING VALVE - BLUE COLOR SIZE 2"-4"



FOOT VALVE - FEMALE THREAD WITH SPRING VALVE - BLUE COLOR SIZE 2"-4"

Advantages of Steel Valve & Spring Valve



Steel Valve - Advantages
 - Handles higher water pressure
 - Long service life



Spring Valve - Advantages
 Can be used in both vertical and horizontal positions
 When used with a suction line, it helps prevent mud or sediment from being sucked into the system

FEMALE THREAD FOOT VALVE - DRAINABLE TYPE



213-SLF

214-SLF



PULL UP TO OPEN DRAINAGE

Steel Valve



DRAINAGE EXAMPLE



STRAINER

STRAINER MALE THREAD



SIZE 3/4", 1", 1 1/2"

SCREEN FILTER



SIZE 3/4", 1", 1 1/2"

DISC FILTER



SIZE 2"

SCREEN FILTER



SIZE 2"

DISC FILTER

TRANSPARENT STRAINER



SIZE 3/4", 1"

SCREEN FILTER



SIZE 3/4", 1"

DISC FILTER



SIZE 1 1/2", 2"

SCREEN FILTER



SIZE 1 1/2", 2"

DISC FILTER

STRAINER MALE THREAD T TYPE SPECIAL LENGTH



SIZE 2", 3"

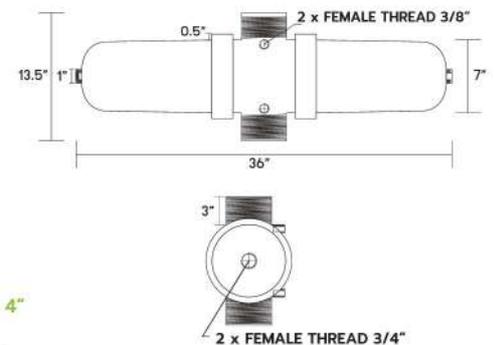
SCREEN FILTER

EXAMPLE OF STRAINER (CONNECTOR) ASSEMBLY



SIZE 4"

SCREEN FILTER AND DISC FILTER



KEY FEATURES OF STRAINER

- Durable Construction
- Effective Filtration
- Easy Maintenance
- Optimized Flow Design



Made from high-quality materials to withstand pressure and harsh environmental conditions.

Efficiently removes debris, dirt, and particles to protect pumps and irrigation equipment.

Designed for simple disassembly and cleaning without special tools. Minimizes pressure loss while maintaining high filtration efficiency. A sand strainer is recommended to be installed upstream of the pump, whereas a fine strainer should be placed downstream to ensure optimal filtration performance.

CHECK VALVE

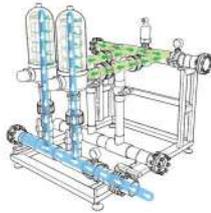
BACKWASH

(AUTOMATIC BACKWASH FILTER / SEMI-AUTOMATIC BACKWASH FILTER)



Flow rate: 40,000–110,000 L/hour
Main pipe size: 3"–4"

When cleaning is required, switch to backwash mode. The system automatically cleans the filter elements. Ready for use immediately after cleaning.



Filter elements are removable. Convenient, easy to move, no assembly time required.

CHECK VALVE



SIZE 3/4"-2"

SIZE 1 1/2"-2 1/2"

SIZE 2"-4"

SIZE 1 1/2"-4"

SIZE 2"-4"

SIZE 1"-2"

AIR VENT VALVES

An air vent valve is essential for releasing trapped air from pipelines. Air cavities can block water flow, reduce pressure and cause inefficiencies in irrigation or water supply systems.



SIZE 1/2"

SIZE 3/4"

SIZE 1"

SIZE 1 1/2"

SIZE 2"

2-AIRV-1

2-AIRV-2

2-AIRV-3

2-AIRV-4

2-AIRV-5

INSTALLATION GUIDELINES:

- Install the air vent valve at the highest point of each water distribution zone
- Ensure the valve is securely fitted and upright
- Use appropriate pipe fittings to connect the valve to the main line
- Test the system to ensure proper air release during operation



1. INSTALLED ON SLOPES OR DIFFERENT LEVEL AREA



2. INSTALLED FROM UNDERGROUND PIPELINES



3. INSTALLED USING SADDLE CLAMPS



4. INSTALLED AS PART OF A WATER FILTRATION SYSTEM

CYCLONE

(HYDROCYCLONE FILTER)



Flow rate: 35,000–50,000 L/hour
Size: 2"–3"

Ideal for systems with high sediment content



- Efficient sand and sediment separation.
- Reduces sediment-related issues in the system.
- Extends the lifespan of drip emitters, sprinklers, and equipment.
- Easy maintenance, durable, cost-effective.

SPRAYER TAPE – CONNECTORS

SPRAYER TAPE



SPRAYER TAPE

ECO SERIES



SPRAYER TAPE

NORMAL SERIES



SPRAYER TAPE

WINGED SERIES

Length (M)	100-200 M	100-200 M	100 M
Spray Width (MM.)	33-52 MM.	33-52 MM.	33-52 MM.
Hole Density (holes/m)	0-20 Holes/M	0-20 Holes/M	0-5 Holes/M
Radius (M)	3-3.5 M	3-3.5 M	3-4 M
Thickness (MM.)	0.20 MM.	0.25 MM.	0.20 MM.

SPRAYER TAPE CONNECTORS



STRAIGHT CONNECTOR - SPRAYER TAPE



STRAIGHT CONNECTOR - SPRAYER TAPE



STRAIGHT MALE THREAD CONNECTOR - SPRAYER TAPE



STRAIGHT CONNECTOR WEAR OVER PIPE - SPRAYER TAPE



STRAIGHT CONNECTOR MALE THREAD - SPRAYER TAPE



STRAIGHT CONNECTOR PVC FITTING - SPRAYER TAPE



STRAIGHT CONNECTOR WEAR OVER PIPE - SPRAYER TAPE

SPRAYER TAPE VALVE



SPRAYER TAPE VALVE - LAYFLAT TYPE



BALL VALVE - SPRAYER TAPE WITH PULL HANDLE



SPRAYER TAPE VALVE - FITTING TYPE



SPAYER TAPE MALE THREAD VALVE



SPAYER TAPE MALE THREAD VALVE



SPAYER TAPE VALVE WITH RUBBER GASKET

LAYFLAT HOSE, FLEXIBLE HOSE & SUCTION HOSE

LAYFLAT HOSE



PE LAYFLAT HOSE (WHITE)
SIZE 3/4"-4" LENGTH 100 M



PE LAYFLAT HOSE (WOVEN TYPE)
SIZE 1/2"-6" LENGTH 100 M



BLUE PVC LAYFLAT HOSE
SIZE 1"-4" LENGTH 100 M

LAYFLAT HOSE CONNECTORS



SIZE 16 mm.

FLAT-TYPE : DRIP TAPE VALVE WITH SPIRAL CONNECTOR FOR 16 MM SUPPLY TUBE



SIZE 16 mm.

PVC GARDEN HOSE HANGER



282

SUCTION HOSE



BLUE PVC SUCTION HOSE
SIZE 1"-4"



RED PVC SUCTION HOSE
SIZE 1"-4"

FLEXIBLE HOSE (GARDEN HOSE)



TRANSPARENT PVC HOSE
SIZE 1/2"-1"



ELASTIC PVC HOSE
SIZE 5/8"-1"

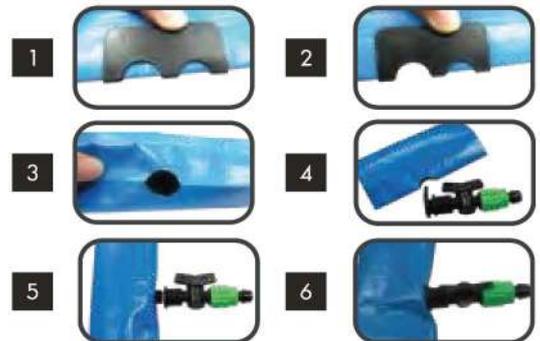
LAYFLAT HOSE HOLE PUNCHER



SIZE 20-32 MM.



SIZE 16 MM.



PU HOSE – POLYURETHANE HOSE



AVAILABLE IN 3 COLORS

-  8-UN-PU100BK
-  8-UN-PU100BL
-  8-UN-PU100R



HOME GARDEN TOOLS & ACCESSORIES

PIPE CUTTER



8-303-A 8-301 8-322 8-319

PRUNING SHEARS



8-807-D 8-807-A 8-PM-102

3-ARM SPRINKLER



345-3 345-5 345-3F 345-3P

2-ARM SPRINKLER



345-2 345-4 345-2F 345-2P

GARDEN TAP CONNECTOR



510-FG 510-LG 510-LRG 510-LB 510-LL 510-G

HOSE CONNECTOR



511 512 510



510-B 510-D 510-A 510-F 510-H 510-RB

GARDEN BOTTLE STAKE



371-V 371-V1



350-957G 510-E 513 510-K 510-J 510-JF

PLASTIC SPRAY REDUCER (NON-SPRING TYPE)



379-20S 379-25S 379-32S

POP-UP SPRINKLER



346-S2 346-SL6 346-GD6 346-L

PLASTIC SPRAY REDUCER (SPRING TYPE)



379-20SS 379-25SS 379-32SS



379-203S 379-253S 379-323S

HOME GARDENING TOOLS / HAND TOOLS

PLANT POTS



SEEDLING TRAYS



GROUND COVER FABRIC / WEED CONTROL MAT/RINGE



HOLE SAW



HIGH-PRESSURE HAND SPRAYER



TOOL STORAGE BOX

TB002



TB001

WELDING PROTECTIVE MASK



860

861

O-RING

Features

O-RINGS ARE MADE OF RUBBER AND SERVE AS OIL SEALS, OFFERING ABRASION RESISTANCE, FLEXIBILITY AND SHOCK ABSORPTION. THEY ARE USED TO SEAL LIQUIDS AND GASES IN PIPING SYSTEMS OR CONVEYOR MECHANISMS. THEY ARE INSTALLED EITHER IN STATIC JOINTS (TO PREVENT LEAKAGE AT CONNECTION POINTS) OR ROTARY/MOVING PARTS (TO SEAL ROTATING SHAFTS OR COMPONENTS).



POLYETHYLENE PIPES

LDPE Pipe with White Stripe (PN 3.2)

PIPE LDPE PN 3.2

Size		Length m.
inch	mm.	
3/8"	16	20
		100
		200
1/2"	20	20
		100
		200
3/4"	25	20
		100
		200



LDPE Pipe with Orange Stripe (PN 4)

PIPE LDPE PN 4

Size		Length m.
inch	mm.	
3/8"	16	20
		50
		100
		200
1/2"	20	20
		50
		100
		200
3/4"	25	20
		50
		100
		200
1"	32	20
		50
		100
1 1/4"	40	50
		100
1 1/2"	50	50
		100
2"	63	50
		100

PIPE LDPE PN 6.3

Size		Length m.
inch	mm.	
1"	32	100
1 1/4"	40	50
1 1/2"	50	50
		100
2"	63	50
2 1/2"	75	50
3"	90	50
4"	110	50

* แนะนำใช้กับสวมนล็อค PE



Agricultural PE Pipe with Yellow Stripe (PN 4)

PIPE PE PN 4

Size		Length m.
inch	mm.	
3/8"	16	200
1/2"	20	200
3/4"	25	200



WHITE LDPE PIPE AND GREEN COMPRESSION FITTINGS

WHITE LDPE PIPE

High-quality, durable multi-layer pipe featuring a bright white co-extruded outer layer and black inner layer to prevent algae growth. Ideal for agricultural irrigation in farms, gardens, and greenhouses—particularly suitable for strawberries and cannabis cultivation.



WHITE LDPE PIPE PN 2.5

- AVAILABLE SIZES: 16MM, 20MM, 25MM
- STANDARD LENGTHS: 100M AND 200M ROLLS
- PRESSURE RATING: SUPPORTS UP TO 2.5 BAR
- DESIGNED FOR FLEXIBILITY AND LONG-LASTING PERFORMANCE IN LOW-PRESSURE IRRIGATION SYSTEMS.



WHITE LDPE PIPE PN 4 (ORANGE STRIPE)

- AVAILABLE SIZES: 16MM, 20MM, 25MM
- STANDARD LENGTHS: 100M AND 200M ROLLS
- PRESSURE RATING: SUPPORTS UP TO 4.0 BAR
- BUILT FOR HIGHER-PRESSURE APPLICATIONS WHILE MAINTAINING EXCELLENT FLEXIBILITY AND DURABILITY.

GREEN CONNECTOR PN10

 <p>PN10 PE TEE WITH MALE THREAD AVAILABLE SIZES: 20-110 MM. (1/2"-4")</p>	 <p>PN10 PE TEE WITH FEMALE THREAD FOR PE PIPE AVAILABLE SIZES: 20-110 MM. (1/2"-4")</p>	 <p>PN10 PE STRAIGHT COUPLING WITH MALE THREAD AVAILABLE SIZES: 20-110 MM. (1/2"-4")</p>	 <p>PN10 PE STRAIGHT COUPLING WITH FEMALE THREAD AVAILABLE SIZES: 20-110 MM. (1/2"-4")</p>	 <p>PN10 PE 90° ELBOW WITH MALE THREAD AVAILABLE SIZES: 20-110 MM. (1/2"-4")</p>
 <p>PN10 PE 90° ELBOW AVAILABLE SIZES: 20-110 MM.</p>	 <p>PN10 PE END CAP AVAILABLE SIZES: 20-110 MM.</p>	 <p>PN10 PE REDUCING TEE AVAILABLE SIZES: 20-110 MM.</p>	 <p>PN10 PE TEE AVAILABLE SIZES: 20-110 MM.</p>	 <p>PN10 PE STRAIGHT COUPLING AVAILABLE SIZES: 20-110 MM.</p>
 <p>PN10 PE 90° ELBOW WITH FEMALE THREAD AVAILABLE SIZES: 20-110 MM. (1/2"-4")</p>	 <p>PN10 PE STRAIGHT REDUCING COUPLING AVAILABLE SIZES: 25-110 MM. (1/2"-4")</p>	 <p>PN10 PE VALVE WITH FEMALE THREAD AVAILABLE SIZES: 20-32 MM. (1/2"-1")</p>	 <p>PN10 PE VALVE WITH MALE THREAD AVAILABLE SIZES: 20-32 MM. (1/2"-1")</p>	 <p>PN10 PPE VALVE AVAILABLE SIZES: 20-110 MM.</p>
 <p>PN10 PE UNION VALVE WITH FEMALE THREAD ขนาด 1/2"-4"</p>	 <p>PN10 PVC ADAPTER TO PE OUTLET AVAILABLE SIZES: 20-110 MM. (1/2"-4")</p>	 <p>PN10 PVC BALL VALVE WITH PE OUTLET AVAILABLE SIZES: 20-110 MM. (1/2"-4")</p>	 <p>PN10 PVC FOUR-WAY CONNECTOR WITH PE OUTLET AVAILABLE SIZES: 20-75 MM. (1/2"-2 1/2")</p>	 <p>PN10 PVC TEE CONNECTOR WITH PE OUTLET AVAILABLE SIZES: 20-75 MM. (1/2"-2 1/2")</p>

AGRICULTURAL FITTINGS

PE CONNECTORS FOR IRRIGATION SYSTEMS



PE STRAIGHT CONNECTOR
AVAILABLE SIZES: 16-32 MM.



PE TEE WITH MALE THREAD
AVAILABLE SIZES: 16-32 MM. (1/2"-1")



PE ELBOW
AVAILABLE SIZES: 16-32 MM.



PE TEE CONNECTOR
AVAILABLE SIZES: 16-32 MM.



PE CROSS CONNECTOR
AVAILABLE SIZES: 20-32 MM.



PE ELBOW WITH MALE THREAD
AVAILABLE SIZES: 16-32 MM. (1/2"-1")



PE STRAIGHT CONNECTOR WITH MALE THREAD
AVAILABLE SIZES: 16-32 MM. (1/2"-1")



PE REDUCING CROSS
AVAILABLE SIZES: 16-32 MM.



PE 7-WAY MANIFOLD WITH FEMALE THREADS
AVAILABLE SIZES: 16-20 MM. (3/4"-1")



PE END PLUG
AVAILABLE SIZES: 16-25 MM.



PE END HOSE CLIP
AVAILABLE SIZES: 16-25 MM.



PE PIPE LOCK CLIP
AVAILABLE SIZES: 16-25 MM.



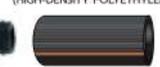
PE SPIKE WITH PIPE LOCK
AVAILABLE SIZES: 16-32 MM.

HOW TO CONNECT PE STRAIGHT CONNECTOR WITH MALE THREAD

90° PVC ELBOW WITH FEMALE THREAD



HDPE PIPE (HIGH-DENSITY POLYETHYLENE)



PE STRAIGHT CONNECTOR WITH MALE THREAD

* Suitable for PE pipe PN3.2 only

PVC-PE FITTINGS



PVC-PE Elbow
AVAILABLE SIZES: 20-32 MM. (1/2"-1")



PVC-PE Tee Connector
AVAILABLE SIZES: 20-32 MM. (1/2"-1")



PVC-PE Straight Connector (Insert Type)
AVAILABLE SIZES: 16-32 MM. (3/8"-1")



PVC-PE Straight Connector (Pipe Socket Type)
AVAILABLE SIZES: 16-25 MM. (1/2"-3/4")



Sprinkler Connector
3/4" Male Thread,
1/2" Pipe Socket



PVC-PE Straight Connector
AVAILABLE SIZES: 16-25 MM.



Compatible with sprinklers, 3/4" male thread, connected to 1/2" PVC pipe (4 hun)

PP FITTINGS (Polypropylene)



PP Reducer Coupling (Female Thread)
AVAILABLE SIZES: 1/2"-1"



PVC Pipe Adapter with Male Thread
AVAILABLE SIZES: 1/2"-3/4"



PP Reducing Nipple (Male Thread)
AVAILABLE SIZES: 1/2"-2"



PP Hex Reducer (Male x Female Thread)
AVAILABLE SIZES: 1/2"-2"



PP Cross (Male x Female Thread)
AVAILABLE SIZES: 16-25 MM.



PP Nipple (Male Thread)
AVAILABLE SIZES: 1/2"-2"



PP Tee (Female Thread)
AVAILABLE SIZES: 1/2"-1"



PP Union (Female Thread)
AVAILABLE SIZES: 3/4"-2"



PP Plug (Male Thread)
AVAILABLE SIZES: 1/2"-2"



Grommet Connector with Rubber Gasket
AVAILABLE SIZES: 16-25 MM.

RED HAND

QUALITY PIPES CHOSEN BY PROFESSIONALS



MANUFACTURER & DISTRIBUTOR OF PLUMBING SYSTEMS
PVC PIPES, PVC FITTINGS, VALVES, COMPRESSION FITTINGS,
TAPPING SADDLES, AND CONNECTORS

MISSION

RED HAND IS COMMITTED TO MANUFACTURING PVC PIPES AND FITTINGS THAT MEET TIS STANDARDS, UTILIZING ADVANCED PRODUCTION TECHNOLOGY AND STRICT QUALITY CONTROL TO DELIVER PRODUCTS WITH HIGH DURABILITY AND PERFORMANCE AT ACCESSIBLE PRICES. OUR MISSION IS TO EMPOWER PROFESSIONAL CONTRACTORS TO EXECUTE PLUMBING PROJECTS EFFICIENTLY, WHILE REINFORCING OUR BRAND PROMISE: "RED HAND – QUALITY PIPES CHOSEN BY PROFESSIONALS." THIS COMMITMENT BUILDS CONFIDENCE IN EVERY CONSTRUCTION PROJECT AND ESTABLISHES RED HAND AS A SYMBOL OF STRENGTH, RELIABILITY, AND SUSTAINABILITY.

PVC PIPES & PVC FITTINGS

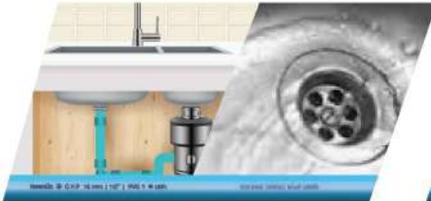


Blue PVC Pipe

Manufactured in accordance with TIS 17-2561



TIS. 17-2561



PVC Class 5

For general water supply systems



PVC Class 8.5

For medium-pressure water systems



PVC Class 13.5

For construction projects and large building water systems

Size		Outside Diameter	Thickness		
mm.	inch		PVC 5	PVC 8.5	PVC 13.5
18	1/2"	22 ± 0.15	-	2.0 ± 0.15	2.6 ± 0.15
20	3/4"	26 ± 0.15	-	2.0 ± 0.15	2.6 ± 0.15
25	1"	34 ± 0.15	-	2.0 ± 0.15	3.0 ± 0.25
35	1 1/4"	42 ± 0.15	1.5 ± 0.15	2.2 ± 0.20	3.1 ± 0.25
40	1 1/2"	48 ± 0.15	1.5 ± 0.15	2.3 ± 0.20	3.5 ± 0.25
55	2"	60 ± 0.15	1.8 ± 0.20	2.9 ± 0.25	4.3 ± 0.30
65	2 1/2"	76 ± 0.20	2.2 ± 0.20	3.5 ± 0.25	5.4 ± 0.30
80	3"	89 ± 0.20	2.6 ± 0.20	4.1 ± 0.30	6.4 ± 0.40
100	4"	114 ± 0.30	3.2 ± 0.20	5.2 ± 0.30	8.1 ± 0.50
125	5"	140 ± 0.30	3.9 ± 0.25	6.4 ± 0.40	9.9 ± 0.55
150	6"	165 ± 0.40	4.6 ± 0.25	7.5 ± 0.45	11.7 ± 0.65
200	8"	216 ± 0.50	5.4 ± 0.35	8.8 ± 0.50	13.7 ± 0.70

Note : The numbers indicating PVC Class 5, PVC Class 8.5, and PVC Class 13.5 refer to the working pressure or the maximum allowable pressure.

PVC BALL VALVE



50001-RH



50001-CY



50001-CY(G)



PVC TAPPING SADDLE CLAMP



359-43



359-92



359-61



359-71



Rubber O-Ring
(Leak-Proof Seal)



PVC FITTINGS



TIS 1131-2535



STRAIGHT CONNECTOR (PVC)
AVAILABLE SIZES: 18-100 MM. (1/2"-4")



STRAIGHT CONNECTOR MALE THREAD (PVC)
AVAILABLE SIZES: 18-100 MM. (1/2"-4")



TEE CONNECTOR FEMALE THREAD (PVC)
AVAILABLE SIZES: 18-20 MM. (1/2"-3/4")



90° ELBOW CONNECTOR (PVC)
AVAILABLE SIZES: 18-100 MM. (1/2"-4")



**STRAIGHT CONNECTOR FEMALE
THREAD WITH BRASS INSERT**
AVAILABLE SIZES: 18-25 MM. (1/2"-1")



**STRAIGHT CONNECTOR MALE THREAD
WITH BRASS INSERT**
AVAILABLE SIZES: 18-25 MM. (1/2"-1")



**90° ELBOW CONNECTOR MALE
THREAD WITH BRASS INSERT**
AVAILABLE SIZES: 18-25 MM. (1/2"-1")



**90° ELBOW CONNECTOR FEMALE
THREAD WITH BRASS INSERT**
AVAILABLE SIZES: 18-25 MM. (1/2"-1")



45° ELBOW CONNECTOR (PVC)
AVAILABLE SIZES: 18-55 MM. (1/2"-2")



REDUCER COUPLING (PVC)
AVAILABLE SIZES: 18-100 MM. (1/2"-1")



TEE CONNECTOR (PVC)
AVAILABLE SIZES: 18-55 MM. (1/2"-2")



REDUCING TEE CONNECTOR (PVC)
AVAILABLE SIZES: 18-100 MM. (1/2"-4")



**STRAIGHT CONNECTOR FEMALE
THREAD (PVC)**
AVAILABLE SIZES: 18-100 MM. (1/2"-4")



**TEE CONNECTOR FEMALE
THREAD WITH BRASS INSERT**
AVAILABLE SIZES: 18-20 MM. (1/2"-3/4")



**90° ELBOW CONNECTOR FEMALE
THREAD (PVC)**
AVAILABLE SIZES: 18-55 MM. (1/2"-2")



**90° ELBOW CONNECTOR
MALE THREAD (PVC)**
AVAILABLE SIZES: 18-55 MM. (1/2"-2")



END CAP DOME SHAPE (PVC)
AVAILABLE SIZES: 65-100 MM. (2 1/2"-4")



END CAP FLAT (PVC)
AVAILABLE SIZES: 18-150 MM. (1/2"-6")



END CAP FEMALE THREAD (PVC)
AVAILABLE SIZES: 18-100 MM. (1/2"-4")



REDUCING HEX NIPPLE (PVC)
AVAILABLE SIZES: 18-55 MM. (1/2"-2")

PVC PIPE GLUE



55-50MISC-RH
50 ml.



55-100 RH
100 ml.



55-250 RH
250 ml.



55-500 RH
500 ml.



PPR PIPES & PPR FITTINGS



Manufactured in accordance with **DIN 8077/78**



PPR PIPES FOR HOT WATER (PN20)



Outside Diameter		SDR	PN	Thickness (mm.)	Weight (kg/m)
mm.	inch				
20	1/2"	11	10	1.90	0.12
25	3/4"	11	10	2.30	0.18
32	1"	11	10	2.90	0.27
40	1 1/4"	11	10	3.70	0.43
50	1 1/2"	11	10	4.60	0.63
63	2"	11	10	5.80	1.03
75	2 1/2"	11	10	6.80	1.30
90	3"	11	10	8.20	2.00
110	4"	11	10	10.00	3.04

Outside Diameter (OD)		SDR	PN	Thickness (mm.)	Weight (kg/m)
mm.	inch				
20	1/2"	6	20	3.4	0.18
25	3/4"	6	20	4.2	0.24
32	1"	6	20	5.4	0.45
40	1 1/4"	6	20	6.7	0.70
50	1 1/2"	6	20	8.3	1.05
63	2"	6	20	10.5	10.5

PPR FITTINGS



PPR STRAIGHT COUPLING
AVAILABLE SIZES: 20-63 MM. (1/2"-2")



PPR 90° ELBOW
AVAILABLE SIZES: 20-63 MM. (1/2"-2")



PPR REDUCING TEE
AVAILABLE SIZES: 20-63 MM. (1/2"-2")



PPR 90° ELBOW FEMALE THREAD
AVAILABLE SIZES: 20-32 MM. (1/2"-1")



PPR 45° ELBOW
AVAILABLE SIZES: 20-63 MM. (1/2"-2")



PPR TEE CONNECTOR
AVAILABLE SIZES: 20-63 MM. (1/2"-2")



PPR END CAP
AVAILABLE SIZES: 20-63 MM. (1/2"-2")



PPR REDUCING COUPLING
AVAILABLE SIZES: 20-63 MM. (1/2"-2")



PPR FEMALE THREAD COUPLING
AVAILABLE SIZES: 20-63 MM. (1/2"-2")



PPR MALE THREAD COUPLING
AVAILABLE SIZES: 20-63 MM. (1/2"-2")



PPR UNION COUPLING
AVAILABLE SIZES: 20-63 MM. (1/2"-2")



PPR PIPE CLIP
AVAILABLE SIZES: 20-32 MM. (1/2"-1")



PPR TEE WITH FEMALE THREAD
AVAILABLE SIZES: 20-32 MM. (1/2"-1")



PPR 90° ELBOW WITH MALE THREAD
AVAILABLE SIZES: 20-32 MM. (1/2"-1")



PPR 90° ELBOW WITH FEMALE THREAD
AVAILABLE SIZES: 20-25 MM. (1/2"-3/4")



PPR & PE PIPE WELDING MACHINE



YELLOW PVC PIPES & YELLOW PVC FITTINGS



TIS 216-2524



Ceiling Electrical Wiring Installation



Industrial Electrical System Installation



Outdoor Electrical Conduit System

Size		Outside Diameter	Thickness mm.
mm.	inch		
15	3/8"	18 ± 0.20	2.0 ± 0.20
18	1/2"	22 ± 0.20	2.0 ± 0.20
20	3/4"	26 ± 0.25	2.0 ± 0.20
25	1"	34 ± 0.30	3.0 ± 0.30
40	1 1/2"	48 ± 0.40	4.0 ± 0.40
55	2"	60 ± 0.50	4.5 ± 0.40

YELLOW PVC FITTINGS



STRAIGHT CONNECTOR (PVC)
AVAILABLE SIZE:
15-55 MM. (3/8"-2")



TEE CONNECTOR (PVC)
AVAILABLE SIZE:
15-55 MM. (3/8"-2")



FLEXIBLE PVC CONDUIT
AVAILABLE SIZE:
20-40 MM. (3/8"-3/4")



90° ELBOW (PVC)
AVAILABLE SIZE:
15-25 MM. (3/8"-1")



ROUND JUNCTION BOX (PVC)
AVAILABLE SIZE: 3/8", 1/2", 3/4"



PVC CONDUIT ENTRY
FITTING (CONNECTOR TO BOX)
AVAILABLE SIZE:
15-20 MM. (3/8"-3/4")



SQUARE JUNCTION
BOX 4" X 4" (PVC)
AVAILABLE SIZE:
3/8", 1/2", 3/4"



SADDLE CLIP
(CLAW-TYPE PVC CLIP)
AVAILABLE SIZE:
15-25 MM. (3/8"-1")



SQUARE JUNCTION
BOX 4" X 2" (PVC)
AVAILABLE SIZE:
3/8", 1/2", 3/4"



PIPE CLIP (PVC)
AVAILABLE SIZE:
15-25 MM. (3/8"-1")

WHITE PVC PIPES & WHITE PVC FITTINGS FOR ELECTRICAL CONDUIT



JIS C 8430

BS IEC-61386-21 : 2021+A11 :2021



Surface-Mounted Electrical Wiring



Outdoor Installation



Indoor Installation

Manufactured in accordance with JIS C 8430

Size		Outside Diameter	Thickness mm.
mm.	inch		
15	3/8"	18 ± 0.20	1.80 ± 0.40
18	1/2"	22 ± 0.20	1.80 ± 0.40
20	3/4"	26 ± 0.20	1.80 ± 0.40
25	1"	34 ± 0.20	2.70 ± 0.60
35	1 1/4"	42 ± 0.20	3.10 ± 0.60
40	1 1/2"	48 ± 0.40	3.60 ± 0.60
55	2"	60 ± 0.50	4.10 ± 0.60

Manufactured in accordance with IEC 61386-21 : 2021 + A11 : 2021

ขนาด mm.(mm.)	Outside Diameter	Thickness mm.
16	16 ± 0.30	1.50 ± 0.10
20	20 ± 0.30	1.70 ± 0.10
25	25 ± 0.40	1.80 ± 0.10
32	32 ± 0.40	1.95 ± 0.15
40	40 ± 0.40	2.40 ± 0.15
50	50 ± 0.20	2.60 ± 0.15

WHITE PVC FITTINGS



STRAIGHT CONNECTOR (PVC)
AVAILABLE SIZE: 15-55 MM. (3/8"-2")



TEE CONNECTOR (PVC)
AVAILABLE SIZE: 15-55 MM. (3/8"-2")



90° ELBOW (PVC)
AVAILABLE SIZE: 18-25 MM. (1/2"-1")



PIPE CLIP (PVC)
AVAILABLE SIZE: 15-25 MM. (3/8"-1")



ROUND JUNCTION BOX (PVC)
AVAILABLE SIZE: 3/8", 1/2", 3/4"



SQUARE JUNCTION BOX 4" X 2" (PVC)
AVAILABLE SIZE:
3/8", 1/2", 3/4"



PVC CONDUIT ENTRY FITTING (CONNECTOR TO BOX)
AVAILABLE SIZE:
15-20 MM. (3/8"-3/4")



SQUARE JUNCTION BOX 4" X 4" (PVC)
AVAILABLE SIZE:
3/8", 1/2", 3/4"



SADDLE CLIP (CLAW-TYPE PVC CLIP)
AVAILABLE SIZE:
15-25 MM. (3/8"-1")



90° ELBOW (PVC)
AVAILABLE SIZE:
15-25 MM. (3/8"-1")



BLACK PVC PIPES & BLACK PVC FITTINGS FOR ELECTRICAL CONDUIT



JIS C 8430

BS IEC-61386-21 : 2021+A11 :2021



Lighting Electrical Systems



Underground Installation



Rooftop or Terrace Installation

Manufactured in accordance with JIS C 8430

Size		Outside Diameter	Thickness mm.
mm.	inch		
15	3/8"	18 ± 0.20	1.80 ± 0.40
18	1/2"	22 ± 0.20	1.80 ± 0.40
20	3/4"	26 ± 0.20	1.80 ± 0.40
25	1"	34 ± 0.20	2.70 ± 0.60
35	1 1/4"	42 ± 0.20	3.10 ± 0.60
40	1 1/2"	48 ± 0.40	3.60 ± 0.60
55	2"	60 ± 0.50	4.10 ± 0.60

Manufactured in accordance with IEC 61386-21 : 2021 + A11 : 2021

ขนาด mm.(mm.)	Outside Diameter	Thickness mm.
16	16 ± 0.30	1.50 ± 0.10
20	20 ± 0.30	1.70 ± 0.10
25	25 ± 0.40	1.80 ± 0.10
32	32 ± 0.40	1.95 ± 0.15
40	40 ± 0.40	2.40 ± 0.15
50	50 ± 0.20	2.60 ± 0.15

BLACK PVC FITTINGS



STRAIGHT CONNECTOR (PVC)
AVAILABLE SIZE: 15-55 MM. (3/8"-2")



TEE CONNECTOR (PVC)
AVAILABLE SIZE: 15-55 MM. (3/8"-2")



90° ELBOW (PVC)
AVAILABLE SIZE: 18-25 MM. (1/2"-1")



ROUND JUNCTION BOX (PVC)
AVAILABLE SIZE: 3/8", 1/2", 3/4"



PIPE CLIP (PVC)
AVAILABLE SIZE: 15-25 MM. (3/8"-1")



PVC CONDUIT ENTRY FITTING (CONNECTOR TO BOX)
AVAILABLE SIZE: 15-20 MM. (3/8"-3/4")



SQUARE JUNCTION BOX 4" X 4" (PVC)
AVAILABLE SIZE: 3/8", 1/2", 3/4"



SADDLE CLIP (CLAW-TYPE PVC CLIP)
AVAILABLE SIZE: 15-25 MM. (3/8"-1")



SQUARE JUNCTION BOX 4" X 2" (PVC)
AVAILABLE SIZE: 3/8", 1/2", 3/4"



90° ELBOW (PVC)
AVAILABLE SIZE: 15-25 MM. (3/8"-1")

BLUE STRIPE HDPE PIPE



TIS 982-2556



Strong Pipe



Safe for Use



UV Resistant



Resistant to Heat & Cold



Lightweight & Easy to Install



PE 80

		PN 6		PN 8		PN 10		PN 12.5		PN 16		PN 20	
Size		SDR 21		SDR 17		SDR 13.6		SDR 11		SDR 9		SDR 7.4	
mm.	Inch	T (mm.)	W (kg/m)	T (mm.)	W (kg/m)	T (mm.)	W (kg/m)	T (mm.)	W (kg/m)	T (mm.)	W (kg/m)	T (mm.)	W (kg/m)
20	1/2"	-	-	-	-	-	-	2.0	0.12	2.3	0.13	3.0	0.16
25	3/4"	-	-	-	-	2.0	0.15	2.3	0.17	3.0	0.21	3.5	0.24
32	1"	-	-	2.0	0.19	2.4	0.23	3.0	0.28	3.6	0.33	4.4	0.39
40	1 1/4"	2.0	0.25	2.4	0.29	3.0	0.36	3.7	0.43	4.5	0.51	5.5	0.61
50	1 1/2"	2.4	0.37	3.0	0.45	3.7	0.56	4.6	0.67	5.6	0.79	6.9	0.94
63	2"	3.0	0.58	3.8	0.72	4.7	0.88	5.8	1.06	7.1	1.27	8.6	1.48
75	2 1/2"	3.6	0.83	4.5	1.02	5.6	1.24	6.8	1.48	8.4	1.78	10.3	2.11
90	3"	4.3	1.19	5.4	1.47	6.7	1.78	8.2	2.14	10.1	2.57	12.3	3.03
110	4"	5.3	1.78	6.6	2.18	8.1	2.64	10.0	3.17	12.3	3.81	15.1	4.54

PE 100

		PN 6		PN 8		PN 10		PN 12.5		PN 16		PN 20	
ขนาด		SDR 26		SDR 21		SDR 17		SDR 13.6		SDR 11		SDR 9	
mm.	Inch	T (mm.)	W (kg/m)	T (mm.)	W (kg/m)	T (mm.)	W (kg/m)	T (mm.)	W (kg/m)	T (mm.)	W (kg/m)	T (mm.)	W (kg/m)
20	1/2"	-	-	-	-	-	-	-	-	2.0	0.12	2.3	0.13
25	3/4"	-	-	-	-	-	-	2.0	0.15	2.3	0.17	3.0	0.21
32	1"	-	-	-	-	2.0	0.20	2.4	0.23	3.0	0.28	3.6	0.33
40	1 1/4"	-	-	2.0	0.25	2.4	0.30	3.0	0.36	3.7	0.43	4.5	0.51
50	1 1/2"	2.0	0.32	2.4	0.37	3.0	0.45	3.7	0.56	4.6	0.67	5.6	0.79
63	2"	2.5	0.49	3.0	0.58	3.8	0.72	4.7	0.88	5.8	1.06	7.1	1.27
75	2 1/2"	2.9	0.68	3.6	0.83	4.5	1.02	5.6	1.25	6.8	1.48	8.4	1.78
90	3"	3.5	0.99	4.3	1.19	5.4	1.47	6.7	1.78	8.2	2.14	10.1	2.57
110	4"	4.2	1.44	5.3	1.79	6.6	2.19	8.1	2.64	10.0	3.18	12.3	3.82

Note: T (Thickness) = Wall thickness (mm)

W (Weight) = Weight (kg/m)

PN (Nominal Pressure) = Nominal pressure rating (bar)

SDR (Standard Dimension Ratio) = Ratio of outside diameter to wall thickness





BLUE COMPRESSION FITTINGS AND BLACK COMPRESSION FITTINGS

BLUE COMPRESSION FITTINGS PN16/12.5

 <p>PN16/12.5 MALE THREADED ADAPTER PN16 AVAILABLE SIZE: 20-110 MM. (1/2"-4")</p>	 <p>PN16/12.5 FEMALE THREADED ADAPTER PN16 AVAILABLE SIZE: 20-110 MM. (1/2"-4")</p>	 <p>PN16/12.5 STRAIGHT COUPLING PN16 AVAILABLE SIZE: 20-110 MM.</p>	 <p>PN16/12.5 REDUCING COUPLING PN16 AVAILABLE SIZE: 20-110 MM.</p>
 <p>PN16/12.5 90° ELBOW MALE THREAD PN16 AVAILABLE SIZE: 20-110 MM. (1/2"-4")</p>	 <p>PN16/12.5 COMPRESSION TEE PN16 AVAILABLE SIZE: 20-110 MM.</p>	 <p>PN16/12.5 END CAP PN16 AVAILABLE SIZE: 20-110 MM.</p>	 <p>PN16/12.5 90° ELBOW PN16 AVAILABLE SIZE: 20-110 MM.</p>
 <p>PN16/12.5 90° ELBOW FEMALE THREAD PN16 AVAILABLE SIZE: 20-110 MM. (1/2"-4")</p>	 <p>PN16/12.5 TEE WITH MALE THREAD OUTLET PN16 AVAILABLE SIZE: 20-110 MM. (1/2"-4")</p>	 <p>PN16/12.5 REDUCING TEE PN16 AVAILABLE SIZE: 20-110 MM.</p>	 <p>PN16/12.5 TEE WITH FEMALE THREAD OUTLET PN16 AVAILABLE SIZE: 20-110 MM.</p>

BLACK COMPRESSION FITTINGS PN10

 <p>PN10 PE 90° ELBOW COMPRESSION FITTING PN10 AVAILABLE SIZES: 20-110 MM. (1/2"-4")</p>	 <p>PN10 PE 90° ELBOW WITH MALE THREAD PN10 AVAILABLE SIZES: 20-110 MM. (1/2"-4")</p>	 <p>PN10 PE STRAIGHT CONNECTOR (FEMALE THREAD) PN10 AVAILABLE SIZES: 20-110 MM. (1/2"-4")</p>	 <p>PN10 PE STRAIGHT REDUCER COUPLING PN10 AVAILABLE SIZES: 20-110 MM.</p>
 <p>PN10 PE STRAIGHT COUPLING PN10 AVAILABLE SIZES: 20-110 MM. (1/2"-4")</p>	 <p>PN10 PE 90° ELBOW WITH FEMALE THREAD PN10 AVAILABLE SIZES: 20-110 MM. (1/2"-4")</p>	 <p>PN10 PE STRAIGHT CONNECTOR (MALE THREAD) PN10 AVAILABLE SIZES: 20-110 MM. (1/2"-4")</p>	 <p>PN10 PE END CAP PN10 AVAILABLE SIZES: 20-110 MM.</p>
 <p>PN10 PE TEE CONNECTOR PN10 AVAILABLE SIZES: 20-110 MM.</p>	 <p>PN10 PE REDUCING TEE CONNECTOR PN10 AVAILABLE SIZES: 20-110 MM.</p>	 <p>PN10 PE TEE WITH FEMALE THREAD PN10 AVAILABLE SIZES: 20-110 MM. (1/2"-4")</p>	 <p>PN10 PE TEE WITH MALE THREAD PN10 AVAILABLE SIZES: 20-110 MM. (1/2"-4")</p>

TAPPING SADDLE CLAMP / REPAIR CLAMP

 <p>PE Tapping Saddle Clamp, Single Female Thread AVAILABLE SIZES: 50-63 MM. (1/2"-1")</p>	 <p>PE Tapping Saddle Clamp, Double Female Thread AVAILABLE SIZES: 50-110 MM. (1/2"-3")</p>	 <p>PE Tapping Saddle Clamp, PE Outlet (Single Side) AVAILABLE SIZES: 16-63 MM.</p>	 <p>PE Tapping Saddle Clamp, PE Outlet (Double Side) AVAILABLE SIZES: 16-63 MM.</p>
 <p>Reducing Compression Tee, PN10 AVAILABLE SIZES: 20-110 MM.</p>	 <p>Compression Tee with Female Thread, PN10 AVAILABLE SIZES: 20-110 MM. (1/2"-4")</p>	 <p>Repair Clamp AVAILABLE SIZES: 63-110 MM.</p>	

RED STRIPE HDPE PIPE FOR ELECTRICAL CONDUIT



Manufactured in accordance with **DIN 8074/75**



DIN 8074/75

NON-CONDUCTIVE



UV RESISTANT



CHEMICAL RESISTANT



HIGH FLEXIBILITY



LIGHTWEIGHT & EASY TO INSTALL



SDR 17.6

PRODUCT CODE	OUTSIDE DIAMETER (OD)		LENGTH m	T WALL THICKNESS mm.	W WEIGHT (Kg/m)	SN
	mm.	Inch				
398-20-5R(PN6)	20	1/2"	50	1.8	0.10	16
398-20-1R(PN6)			100	1.8	0.10	16
398-25-5R(PN6)	25	3/4"	50	1.8	0.13	16
398-25-1R(PN6)			100	1.8	0.13	16
398-32-5R(PN6)	32	1"	50	2.0	0.20	16
398-32-1R(PN6)			100	2.0	0.29	16
398-40-5R(PN6)	40	1 1/4"	50	2.3	0.29	16
398-40-1R(PN6)			100	2.3	0.44	16
398-50-5R(PN6)	50	1 1/2"	50	2.9	0.69	16
398-50-1R(PN6)			100	2.9	0.69	16
398-63-5R(PN6)	63	2"	50	3.6	0.98	16
398-63-1R(PN6)			50	3.6	0.98	16
398-75-5R(PN6)	75	2 1/2"	50	4.3	1.39	16
398-90-5R(PN6)	90	3"	50	5.1	2.08	16
398-110-5R(PN6)	110	4"	50	6.3	2.66	16

- Note:** T (Thickness) = Wall thickness : millimeters (mm)
 W (Weight) = Weight : kilograms per meter (kg/m)
 SN (Nominal Ring Stiffness) = Resistance to external load (ring stiffness)
 PN (Nominal Pressure) = Maximum working pressure : bar
 SDR (Standard Dimension Ratio) = Ratio of outside diameter to wall thickness





TIS 982-2556

RED STRIPE HDPE PIPES & HDPE FITTINGS FOR ELECTRICAL CONDUIT



PEA. No. : SA1-015/580011

PE80	PN16		PN12.5		PN10		PN8		PN6	
PE100	PN20		PN16		PN12.5		PN10		PN8	
SDR	SDR9		SDR11		SDR13.6		SDR17		SDR21	
Size : OD	T	W	T	W	T	W	T	W	T	W
mm.	mm.	kg/m	mm.	kg/m	mm.	kg/m	mm.	kg/m	mm.	kg/m
16	2.0	0.09	-	-	-	-	-	-	-	-
20	2.3	0.13	2.0	0.12	-	-	-	-	-	-
25	3.0	0.21	2.3	0.17	2.0	0.15	-	-	-	-
32	3.6	0.33	3.0	0.28	2.4	0.23	2.0	0.19	-	-
40	4.5	0.51	3.7	0.43	3.0	0.36	2.4	0.29	2.0	0.25
50	5.6	0.79	4.6	0.67	3.7	0.56	3.0	0.45	2.4	0.37
63	7.1	1.27	5.8	1.06	4.7	0.88	3.8	0.72	3.0	0.58
75	8.4	1.78	6.8	1.48	5.6	1.24	4.5	1.02	3.6	0.83
90	10.1	2.57	8.2	2.14	6.7	1.78	5.4	1.47	4.3	1.19
110	12.3	3.81	10.0	3.17	8.1	2.64	6.6	2.18	5.3	1.78

Note : PN (Nominal Pressure) = Maximum working pressure : bar

T (Thickness) = Wall thickness : millimeters (mm)

SDR (Standard Dimension Ratio) = Ratio of outside diameter to wall thickness

W (Weight) = Weight : kilograms per meter (kg/m)

OD (Outside Diameter) = Outside diameter

HDPE pipes available in sizes 16–110 mm Available in lengths of 50 m and 100 m

Electrical Conduit Elbow



Available in sizes: 20 mm (1/2"), 25 mm (3/4"), 32 mm (1"), 40 mm (1 1/4"), 50 mm (1 1/2"), 63 mm (2"), 75 mm (2 1/2"), 90 mm (3"), 110 mm (4")

Electrical Conduit Connector



Straight Connector TYPE A
Size 20–110 mm



Female Thread Connector TYPE B
Size 20–110 mm



Male Thread Connector TYPE C
Size 20–110 mm



TIS. 17-2561

RED HAND PLUS PIPES

RED HAND PLUS PVC PIPES FEATURE OUTSTANDING PROPERTIES THAT WITHSTAND HIGHER PRESSURE THAN STANDARD PVC PIPES. THEIR ENHANCED FLEXIBILITY AND IMPACT RESISTANCE SIGNIFICANTLY REDUCE THE RISK OF CRACKING OR DAMAGE CAUSED BY WATER PRESSURE AND MECHANICAL SHOCK. DESIGNED FOR SYSTEMS OPERATING UNDER HIGH PRESSURE OR FREQUENT PRESSURE FLUCTUATIONS, RED HAND PLUS PIPES HELP MINIMIZE LEAKAGE ISSUES AND LONG-TERM MAINTENANCE. THIS RESULTS IN AN EXTENDED OVERALL SYSTEM LIFESPAN AND LOWER MAINTENANCE AND OPERATING COSTS THROUGHOUT THE PROJECT LIFECYCLE.



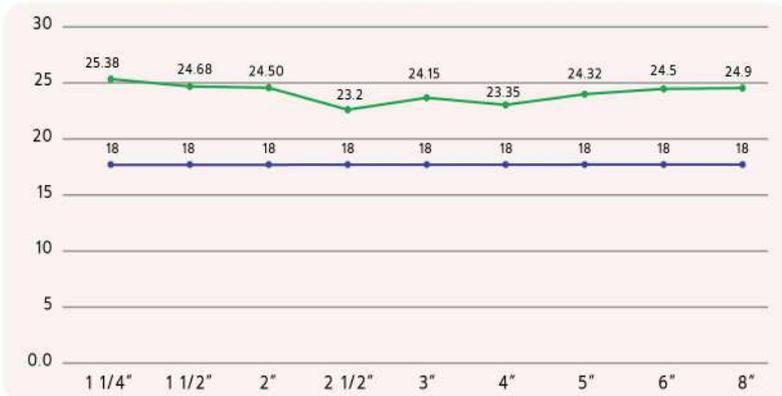
Confidence in Pressure!!
M-PVC
 is Stronger than Standard PVC



- 
High Pressure Resistance
 Withstands higher pressure than standard PVC pipes of the same class.
- 
Cost-Effective without Compromising Quality
 Strong, durable, and long-lasting – excellent value for money.
- 
Reliable for All Applications
 Tested under real working conditions, impact-resistant, and not easily cracked.

CLASS 5

● STANDARD (BAR) ● RESULTS (BAR)



Performance	Standard PVC Pipe	RED HAND PLUS M-PVC	Result
Pressure Resistance	Standard 100% No leakage or cracking	135% ↑ No leakage or cracking	+35%
Impact Resistance	60% of pipe diameter flattening without cracking 60%	100% of pipe diameter flattening without cracking ↑	+67%
Impact Strength	Standard 100% Drop test at 2 m	167% Drop test at 2 m stronger than standard 67% ↑	+67%

BURST PRESSURE TESTING SHOWS THAT THE PIPE CAN WITHSTAND INTERNAL PRESSURE UP TO 35.17% HIGHER THAN STANDARD PVC PIPES BEFORE FAILURE (BURSTING), WHICH IS **MORE THAN 1.4 TIMES** THE NORMAL OPERATING PRESSURE.

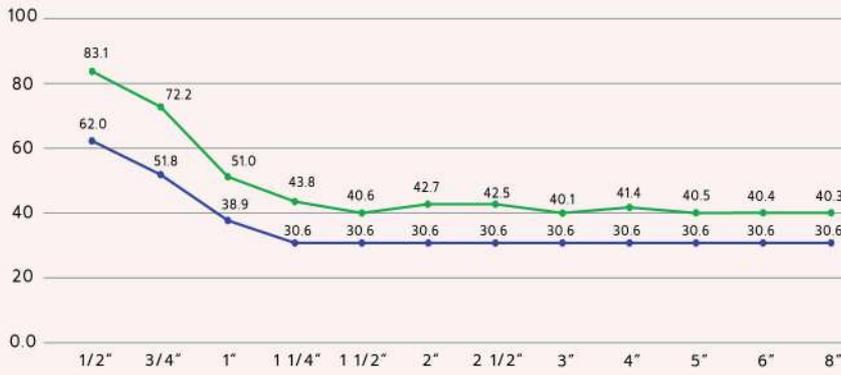


Why do professional contractors choose M-PVC pipes

Because a good pipe is not just easy to install – it must deliver confidence on every job. M-PVC is stronger, more durable, and more cost-effective in the long term. It helps reduce on-site problems, saves time, and lowers overall costs – making it the pipe trusted and chosen by professional contractors in real-world applications.

CLASS 8.5

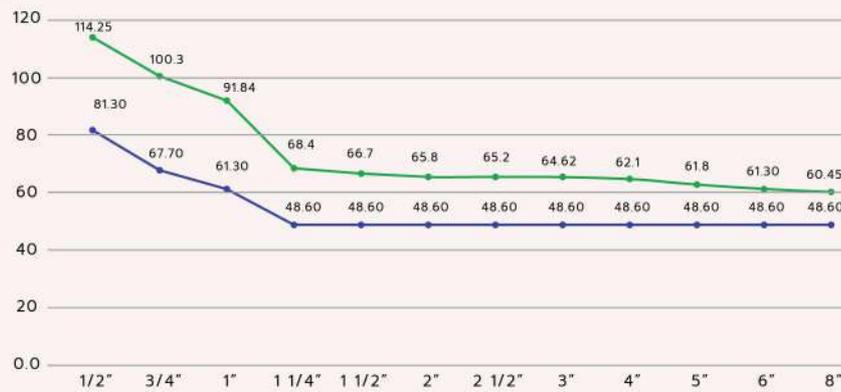
● STANDARD(BAR) ● RESULTS (BAR)



BURST PRESSURE TESTING SHOWS THAT THE PIPE CAN WITHSTAND INTERNAL PRESSURE UP TO 35.17% HIGHER THAN STANDARD PVC PIPES BEFORE FAILURE (BURSTING), WHICH IS **MORE THAN 1.4 TIMES** THE NORMAL OPERATING PRESSURE.

CLASS 10

● STANDARD(BAR) ● RESULTS (BAR)



BURST PRESSURE TESTING SHOWS THAT THE PIPE CAN WITHSTAND INTERNAL PRESSURE UP TO 35.17% HIGHER THAN STANDARD PVC PIPES BEFORE FAILURE (BURSTING), WHICH IS **MORE THAN 1.4 TIMES** THE NORMAL OPERATING PRESSURE.

Durability



High resistance to pressure and impact, long service life, crack-resistant

Standard Quality



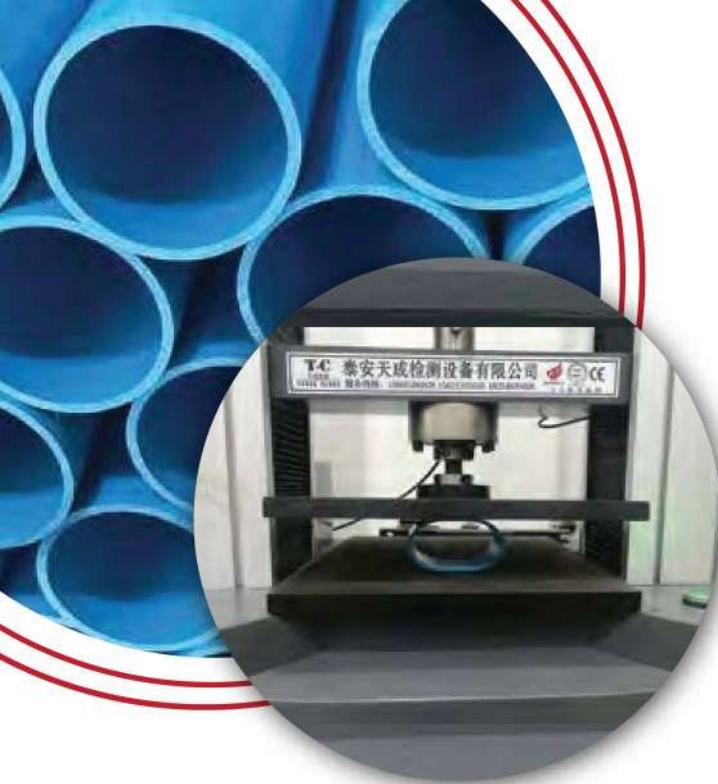
TIS standard quality, reliable for all applications

Lightweight Install



Easy to handle, simple installation, faster operation

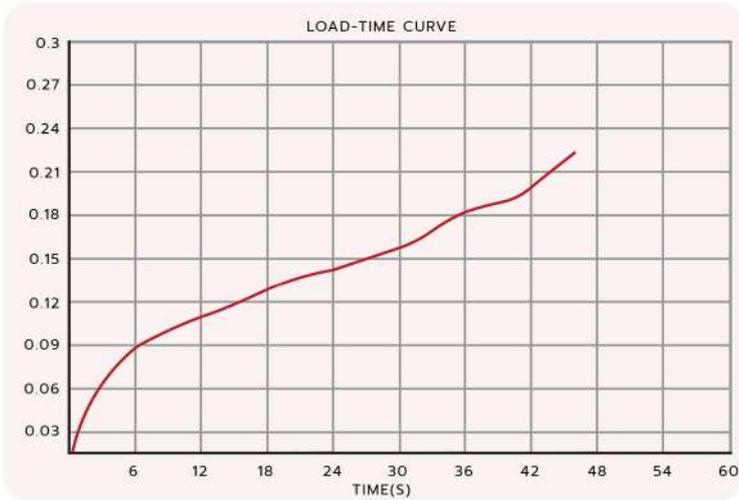
Size		Outside Diameter (mm.)	Thickness mm.					Quantity pcs/bundle
mm.	inch		PVC 5	PVC 7	PVC 8.5	PVC 10.5	PVC 13.5	
18	1/2"	22 ± 0.15	-	1.5 ± 0.15	2.0 ± 0.15	2.3 ± 0.15	2.6 ± 0.15	25
20	3/4"	26 ± 0.15	-	1.5 ± 0.15	2.0 ± 0.15	2.3 ± 0.15	2.6 ± 0.15	25
25	1"	34 ± 0.15	-	1.5 ± 0.15	2.0 ± 0.15	2.4 ± 0.20	3.0 ± 0.25	20
35	1 1/4"	42 ± 0.15	1.5 ± 0.15	1.8 ± 0.15	2.2 ± 0.20	2.6 ± 0.20	3.1 ± 0.25	10
40	1 1/2"	48 ± 0.15	1.5 ± 0.15	1.9 ± 0.15	2.3 ± 0.20	2.8 ± 0.20	3.5 ± 0.25	10
55	2"	60 ± 0.15	1.8 ± 0.20	2.4 ± 0.20	2.9 ± 0.25	3.5 ± 0.25	4.3 ± 0.30	10
65	2 1/2"	76 ± 0.20	2.2 ± 0.20	2.9 ± 0.20	3.5 ± 0.25	4.4 ± 0.30	5.4 ± 0.30	1
80	3"	89 ± 0.20	2.6 ± 0.20	3.5 ± 0.25	4.1 ± 0.30	5.2 ± 0.35	6.4 ± 0.40	1
100	4"	114 ± 0.30	3.2 ± 0.20	4.3 ± 0.25	5.2 ± 0.30	6.5 ± 0.35	8.1 ± 0.50	1
125	5"	140 ± 0.30	3.9 ± 0.25	5.3 ± 0.30	6.4 ± 0.40	8.0 ± 0.45	9.9 ± 0.55	1
150	6"	165 ± 0.40	4.6 ± 0.25	6.2 ± 0.35	7.5 ± 0.45	9.4 ± 0.50	11.7 ± 0.65	1
200	8"	216 ± 0.50	5.4 ± 0.35	7.3 ± 0.40	8.8 ± 0.50	11.1 ± 0.60	13.7 ± 0.70	1



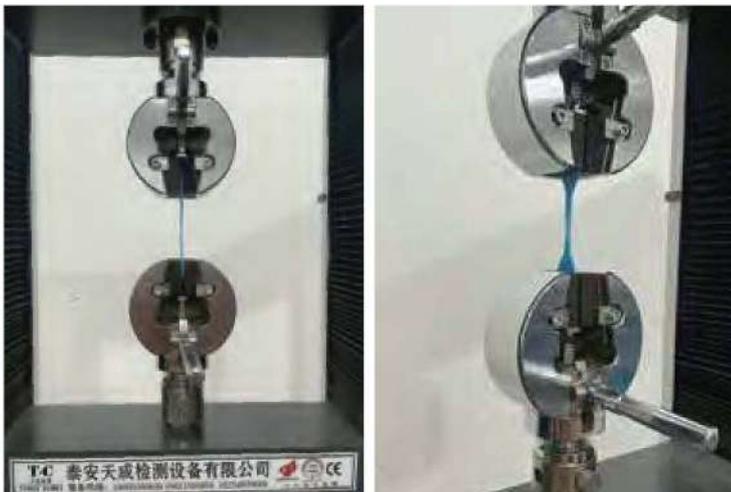
COMPRESSION TEST



AN EXAMPLE OF EXTERNAL COMPRESSION TESTING IN ACCORDANCE WITH TIS 17-2561 DEMONSTRATES THAT THE PIPE POSSESSES SUFFICIENT STRENGTH AND DURABILITY FOR USE IN PLUMBING SYSTEMS, UNDERGROUND INSTALLATIONS, AND GENERAL UTILITY APPLICATIONS.

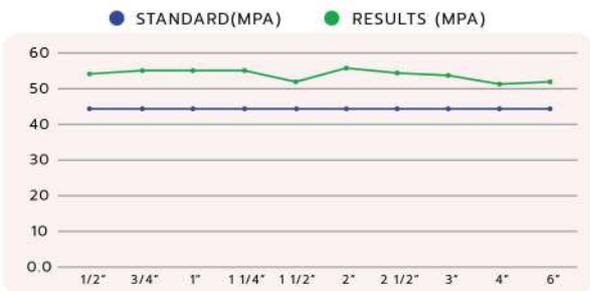


M-PVC pipes
RED HAND PLUS
stronger and more durable
50%



TENSILE TEST REPORT

TEST RESULTS COMPARED WITH STANDARD REQUIREMENTS



MAXIMUM TENSILE STRENGTH TESTING SHOWS THAT THE PVC PIPE CAN WITHSTAND TENSILE FORCES 21.38% HIGHER THAN THE STANDARD REQUIREMENT BEFORE FAILURE, WHICH IS MORE THAN 1.2 TIMES THE STANDARD VALUE.

" THE HIGHER THE VALUE → THE STRONGER THE MATERIAL "

TENSILE TEST INDICATE THAT THE PVC PIPE DEMONSTRATES ADEQUATE TENSILE STRENGTH AND ELONGATION WITHIN ACCEPTABLE LIMITS. THIS REFLECTS THE MATERIAL'S STRENGTH AND FLEXIBILITY, MAKING IT SUITABLE FOR USE IN PLUMBING SYSTEMS AND GENERAL STRUCTURAL APPLICATIONS. THE PIPE IS CAPABLE OF WITHSTANDING TENSILE FORCES DURING INSTALLATION, AS WELL AS STRESSES CAUSED BY SOIL MOVEMENT OR EXTERNAL LOADS, AND IS NOT EASILY DAMAGED UNDER SUCH CONDITIONS.



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