KRISHI POLYMERS PVT LTD

"FOR THOSE WHO NEED ONLY THE BEST"

C-PVC & U-PVC
AGRICULTURAL
SWR
LEAD FREE PIPES &
ZERO CALCIUM IN FITTINGS
IRRIGATION EQUIPMENT

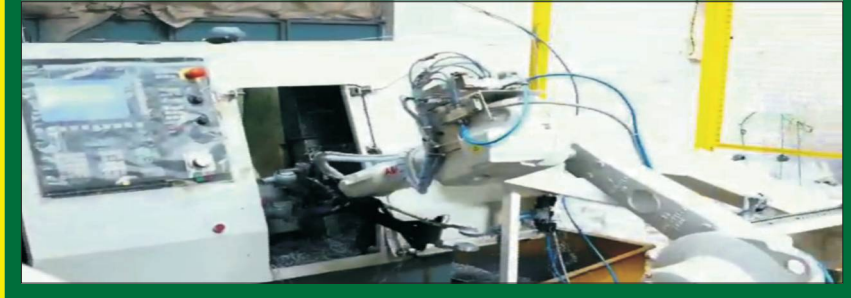


www.krishipolymers.in

















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Company Profile

Krishi Polymers Pvt Ltd was established in 2004 with a vision to make High technology Low Cost equipment - affordable to ordinary farmer in India. The founder Mr. Mahalinga Bhat himself was from an agricultural family. His vision to help the agriculture community translated to the cost of irrigation equipment like sprinklers to half the cost of established polymers - thus creating a whole new market .

In 2009 , production of Krishi Hot & Cold range of CPVC pipes and Fittings was commenced and today we have a manufacturing capacity of 1200 MT/ annum , with an estimated capacity addition of 3000 MT per annum in the coming days.

We have a well established distributor network throughout India and export our products to our neighboring countries. Continuing the tradition of delivering “High Technology - low cost” we were one of India’s first company to have obtained BIS approval for our CPVC Pipes (IS 15778) Class 1 & Class 2.

Now we have the full range of Lead Free UPVC Pipes ASTM D 1785 AND UPVC Fittings ASTM D 2467, Lead Free Agri PVC Pipes IS 4985 & Fittings IS 7834, SWR Pipes IS 13592 & Fittings IS 14735. This is the complete range required to irrigate a farm and the complete solution for plumbing and sanitary connection for any building.

KRISHI
POLYMERS PVT LTD

“FOR THOSE WHO NEED ONLY THE BEST”



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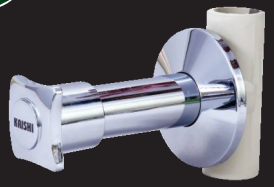
KRISHI HOT & COLD LEAD FREE ZERO CALCIUM CPVC Pipes & fittings
Solvent weld system suitable for Hot and cold water
C-PVC LEAD FREE PLUMBING SYSTEM
"FOR THOSE WHO NEED ONLY THE BEST"
ISI CERTIFIED
IS:15778
CM/L 4752572
LEAD FREE
KRISHI HOT & COLD LEADFREE ZERO CALCIUM CPVC Pipes & fittings
Portable water Distribution System , Heat Resistance upto 82°C @7kgf / cm²
High Quality Performance with Excellent Installation properties
www.krishipolymers.in

KRISHI **HOT & COLD** LEADFREE ZERO CALCIUM CPVC Pipes & fittings

ISI CERTIFIED IS:15778 CM/L 4752572

"FOR THOSE WHO NEED ONLY THE BEST"

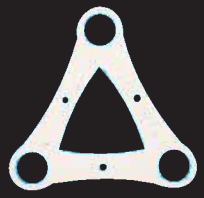
C-PVC LEAD FREE PLUMBING SYSTEM



SQUARE CONCEALED VALVE



MABT



MIXER BRACKET (ADADPTOR)



ELBOW



ROUND CONCEALED VALVE



CPVC BEND



BUSHING



PLASTIC CLAMP



CPVC COMPACT BALLVALVE



REDUCER TEE



CPVC SINGLE UNION BALLVALVE



REDUCER ELBOW



END CAP



CPVC PLUS BALLVALVE



REDUCER COLLAR



STEP OVER BEND

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KRISHI HOT & COLD LEADFREE ZERO CALCIUM CPVC Pipes & fittings

"FOR THOSE WHO NEED ONLY THE BEST"

C-PVC LEAD FREE PLUMBING SYSTEM





Salient Features & Benefits

- High corrison resistance
- lower Bacterial Growth
- Tough, Rigid Material
- No scale or pit formulation
- Unaffected by Chlorine
- Chemical Resistance
- For Hot and Cold Water
- Low Thermal Expansion
- Fire Safety
- Easy Cold Welding Process
- Superior insulation
- Very Cost Effective

ISI CERTIFIED
IS:15778
CM/L 4752572

LEAD FREE

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KRISHI HOT & COLD LEADFREE ZERO CALCIUM CPVC Pipes & fittings

C-PVC LEAD FREE PLUMBING SYSTEM

Technical Specifications

Nominal Bore	Nominal Size	Nominal Outside Diameter	SDR-11 Wall Thickness		Working Pressure at		SDR 13.5 Wall Thickness		Working Pressure at	
			Minimum	Maximum	27°C	82°C	Minimum	Maximum	27°C	82°C
(inch)	(mm)	(mm)	(mm)	(mm)	Kg/Cm²		(mm)	(mm)	Kg/Cm²	
½	15	15.9	1.7	2.2	28.10	7.0	1.4	1.9	21.80	5.5
¾	20	22.2	2.0	2.5	28.10	7.0	1.7	2.2	21.80	5.5
1	25	28.6	2.6	3.1	28.10	7.0	2.1	2.6	21.80	5.5
1¼	32	34.9	3.2	3.7	28.10	7.0	2.6	3.1	21.80	5.5
1½	40	41.3	3.8	4.3	28.10	7.0	3.1	3.6	21.80	5.5
2	50	54.0	4.9	5.5	28.10	7.0	4.0	4.6	21.80	5.5

Outer Diameter, Wall Thickness and Pressure Rating for C-PVC Pipes SDR-11 and SDR-13.5

Specification

Pipe standards	:	As Per IS : 15778 : 2007 SDR-11, SDR-13.5
Fittings Standards	:	As Per ASTM D 2846 SDR-11
Material	:	C-PVC Compound
Standard Length	:	3 meters pipes / 5 meters pipes
Solvent Cement	:	Heavy Duty
Colour	:	Beige Colour
Pressure Class	:	Pipes SDR-11 & SDR-13.5, Fittings SDR 11
Range	:	Pipes from ½" to 2"
Range	:	Fittings from 1/2" to 2"



Warranty NOT APPLICABLE incase of use in combination with any other brand / make of pipe, fittings and solvent. Always allow minimum 12 hours curing period to end joint and the pressure test to be carried thereafter. For colder temperature, it is necessary to wait a longer period. Pressure test to be carried out neccessarily before concealing.

ISI CERTIFIED
IS:15778
CM/L 4752572

LEAD FREE

Quality | Easy Installatation | Maintenance Free | Economical | Strong | Leak Proof



www.krishipolymers.in

KRISHI AQUA™ LEADFREE UPVC ASTM Pipes & Zero calcium fittings

U-PVC LEAD FREE PLUMBING SYSTEM

"FOR THOSE WHO NEED ONLY THE BEST"





KRISHI AQUA™ LEADFREE UPVC ASTM Pipes & Zero calcium in fittings

Solvent weld system suitable for cold water

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KRISHI AQUA™ LEADFREE UPVC ASTM Pipes & Zero calcium fittings

U-PVC LEAD FREE PLUMBING SYSTEM

"FOR THOSE WHO NEED ONLY THE BEST"



REDUCER ELBOW



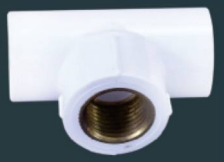
FAPT



STEP OVER BEND



MIXER BRACKET (ADAPTOR)



BRASS TEE



REDUCER TEE



U-PVC BEND



UNION



END CAP



UPVC COMPACT BALL VALVE



REDUCER COLLAR



U-PVC CLAMPS



UPVC SOLVENT CEMENT



UPVC SINGLE UNION BALL VALVE



UPVC PLUS BALL VALVE

KRISHI AQUA™ LEADFREE UPVC ASTM Pipes & Zero calcium in fittings

Solvent weld system suitable for cold water

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KRISHI AQUA™ LEADFREE UPVC ASTM Pipes & Zero calcium fittings

U-PVC LEAD FREE PLUMBING SYSTEM

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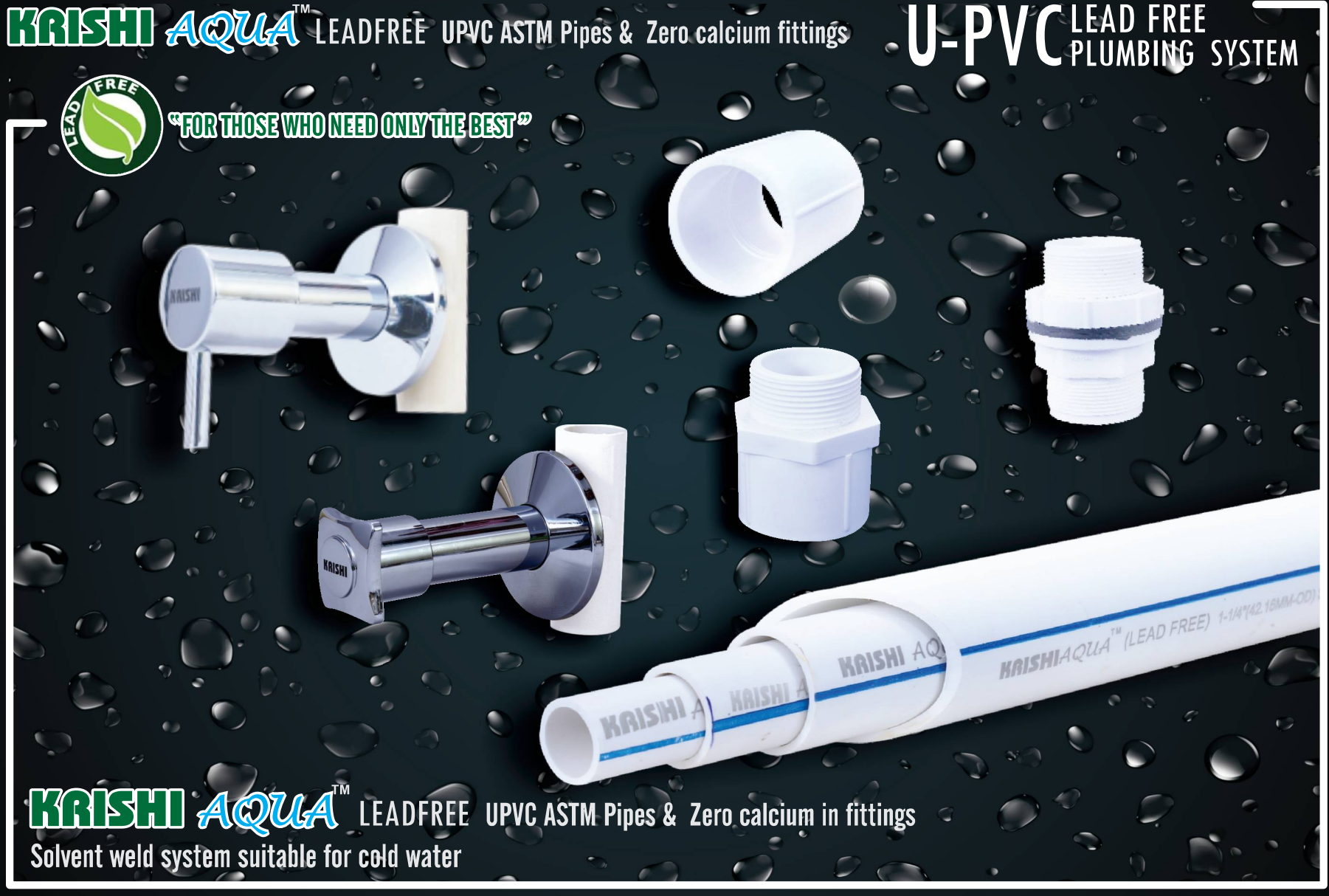

KRISHI AQUA™ LEADFREE UPVC ASTM Pipes & Zero calcium in fittings

Solvent weld system suitable for cold water

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KRISHI AQUA™ LEADFREE UPVC ASTM Pipes & Zero calcium fittings

are solvent weld system is suitable for cold water

"FOR THOSE WHO NEED ONLY THE BEST"

U-PVC LEAD FREE PLUMBING SYSTEM

Specifications

Pipe Standards	: As Per ASTM D 1785 SCH-40, SCH-80
Fittings Standards	: As Per ASTM D 2467 SCH-80
Material	: U-PVC Compound
Standard Length	: 3 meters pipes / 6 meters Pipes
Solvent Cement	: Heavy Duty
Colour	: White
Pressure Class	: Pipes SCH-40 & SCH-80, Fittings SCH-80
Range	: Pipes from 1/2" to 4"
Range	: Fittings from 1/2" to 2"





Applications

U-PVC LEAD FREE PLUMBING - SYSTEM

* Sugar & Paper Industries
* Industrial Process Lines
* Aggressive / Corrosive Fluid Transportation
* Dye Plants, Chrome
* Zinc Plating, Tanning Lines
* Coal wasting & Handling

Salient Features & Benefits

* High corrosion Resistance
* Stronger & Light Weight
* Simple & Leak Proof Joints
* Maximum Flow Rate
* Unaffected by Chlorine
* Chemical Resistance
* For Cold Water
* For Resistance
* Maintenance Free
* UV Stabilized
* Safe Material For Drinking Water
* Maintenance Free
* UV Stabilized
* Safe Material For Drinking Water

Technical Specifications

Nominal Bore	Outside Diameter	SCH - 40			SCH - 80		
		Wall Thickness	Working Pressure		Wall Thickness	Working Pressure	
(inch)	(mm)	(mm)	Mpa	Psi	(mm)	Mpa	Psi
½	21.34 ± 0.10	2.77 ± 0.51	4.14	600	3.73 ± 0.51	5.86	850
¾	26.67 ± 0.10	2.87 ± 0.51	3.31	480	3.91 ± 0.51	4.76	690
1	33.40 ± 0.13	3.38 ± 0.51	3.10	450	4.55 ± 0.53	4.34	630
1¼	42.16 ± 0.13	3.56 ± 0.51	2.55	370	4.85 ± 0.58	3.59	520
1½	48.26 ± 0.15	3.68 ± 0.51	2.28	330	5.08 ± 0.61	3.24	470
2	60.32 ± 0.15	3.91 ± 0.51	1.93	280	5.54 ± 0.66	2.76	400
2½	73.02 ± 0.18	5.16 ± 0.61	2.07	300	7.01 ± 0.84	2.90	420
3	88.90 ± 0.20	5.49 ± 0.66	1.79	260	7.62 ± 0.91	2.55	370
4	114.30 ± 0.23	6.02 ± 0.71	1.52	220	8.56 ± 1.02	2.21	320

Outer Diameter, Wall Thickness and Pressure Rating for U-PVC Pipes SCH-40 and SCH-80





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KRISHI LEAD FREE SWR Pipe & Zero calcium fittings

As Per IS 13592 : 2013 TYPE A & TYPE B
As Per IS 14735 : 1999

SWR RING TYPE



KRISHI LEAD FREE SWR SOLVENT FIT & RING FIT PIPES AND FITTINGS

NO CALCIUM CARBONATE IN FITTINGS ARE SOLVENT WELD SYSTEM SUITABLE FOR SANITARY

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KRISHI LEAD FREE SWR Pipe & Zero calcium fittings

As Per IS 13592 : 2013 TYPE A & TYPE B
As Per IS 14735 : 1999

SWR RING TYPE


TEE


4WAY TEE


DOUBLE 'Y'


'P' TRAP


DOOR TEE


4WAY TEE WITH DOOR


SINGLE Y


"Q" TRAP


REDUCING TEE


BEND 87.5


SINGLE Y WITH DOOR


"S" TRAP


DOOR REDUCING TEE


DOOR BEND


TEE L W


ELBOW L W

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KRISHI LEAD FREE SWR Pipe & Zero calcium fittings

As Per IS 13592 : 2013 TYPE A & TYPE B
As Per IS 14735 : 1999

SWR PASTING TYPE



DOUBLE 'Y'



SINGLE TEE



DOOR TEE



BEND 87.5°



SINGLE 'Y'



PASTING DOOR TEE



SERVICE TEE



DOOR BEND 87.5°



45° ELBOW 'Y'



BEND 45°



MULTI TRAP



SOCKET TYPE DOOR ELBOW



COUPLER



REDUCER



REDUCER COLLAR



NAHANI TRAP & JALI

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KRISHI LEAD FREE SWR Ring type Pipe & Zero calcium fittings

"FOR THOSE WHO NEED ONLY THE BEST"

SWR RING TYPE PASTING TYPE

Pipe Size (mm)	Socket Length	Mean Outside Diameter (mm)		Wall Thickness				Fitting Size (mm)	Wall Thickness at Plain End (mm) Minimum	Wall Thickness at Socket (mm) Maximum e2	Wall Thickness at Socket (mm) Maximum e3	Max. Length of beading & Neck A	Min. Neck Length of Socket Socket B	Min. Length of Beading B	Inside Diameter of Socket at Midpoint(mm)		Outside Diameter of Spigot Portion (mm)	
				Type "A"		Type "B"												
		Minimum	Maximum	Minimum	Maximum	Minimum	Maximum								Minimum	Maximum	Minimum	Maximum
75	40.0	75.0	75.3	1.8	2.2	3.2	3.8	75	3.20	2.90	2.40	20	5	25	75.10	76.20	75.00	75.30
110	48.0	110.0	110.4	2.2	2.7	3.2	3.8	110	3.20	2.90	2.40	26	6	32	110.10	111.30	110.00	110.40

Specifications (Ring Type)

Pipe Standards : As Per IS 13592 : 2013 TYPE A & TYPE B
Fittings Standards : As Per IS 14735 : 1999
Material : U-PVC Compound
Standard Length : 03 Mtr (10ft), 1.8Mtr (6ft), 1.2Mtr (4ft), 0.9Mtr (3ft) Single Socket & Double Socket & 0.6Mtr (2ft) Single Socket
Leak Proof Ringfit Joints : Co-Moulded Ring (PP + TPE Material)
Colour : Grey
Range of Pipes : 75mm & 110mm
Range of Fittings : 75mm & 110mm

Specifications (Pasting Type)

Pipe Standards : As Per IS 13592 : 2013 TYPE A & TYPE B
Fittings Standards : As Per IS 14735 : 1999
Material : U-PVC Compound
Standard Length : 03Mtr (10ft) & 06Mtr (20ft) Single Socket
Solvent Cement : Heavy Duty
Colour : Grey
Range of Pipes : 75mm & 110mm
Range of Fittings : 75mm & 110mm

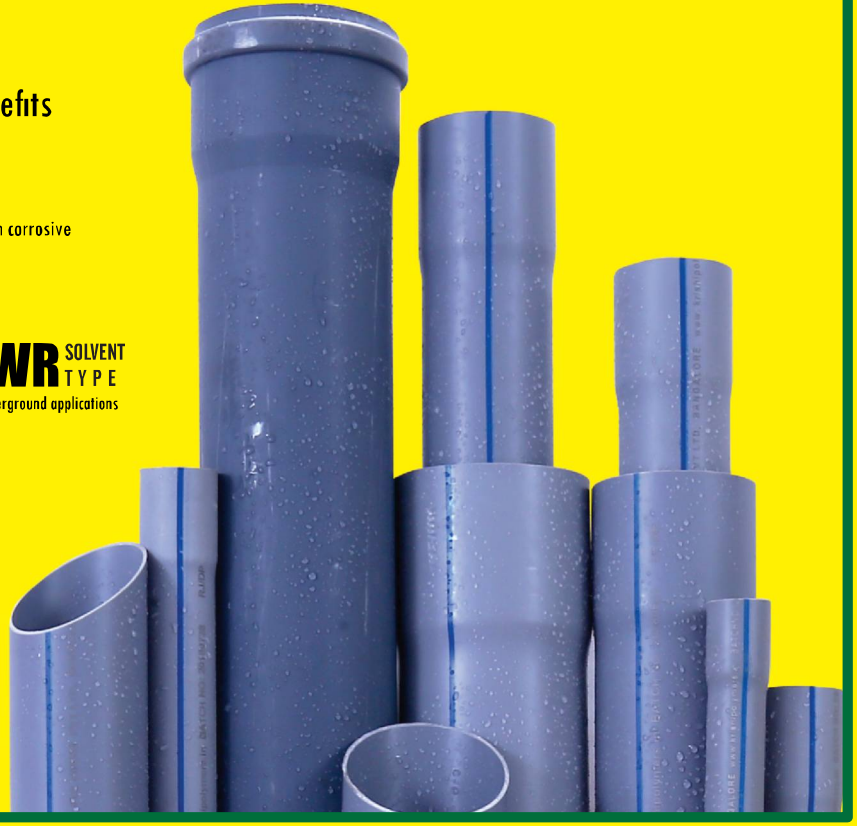
Salient Features & Benefits

* Strong resilient and Light weight
* High Qow rate
* UV Stabilized and chemical resistance
* Non conductive, non Qammable and non corrosive
* Faster and easy installations
* Impact resistance

Applications

SWR RING TYPE | **SWR** SOLVENT TYPE

For soil, waste and rainwater disposal and underground applications



Quality | Easy Installatation | Maintenance Free | Economical | Strong | Leak Proof

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ISI CERTIFIED

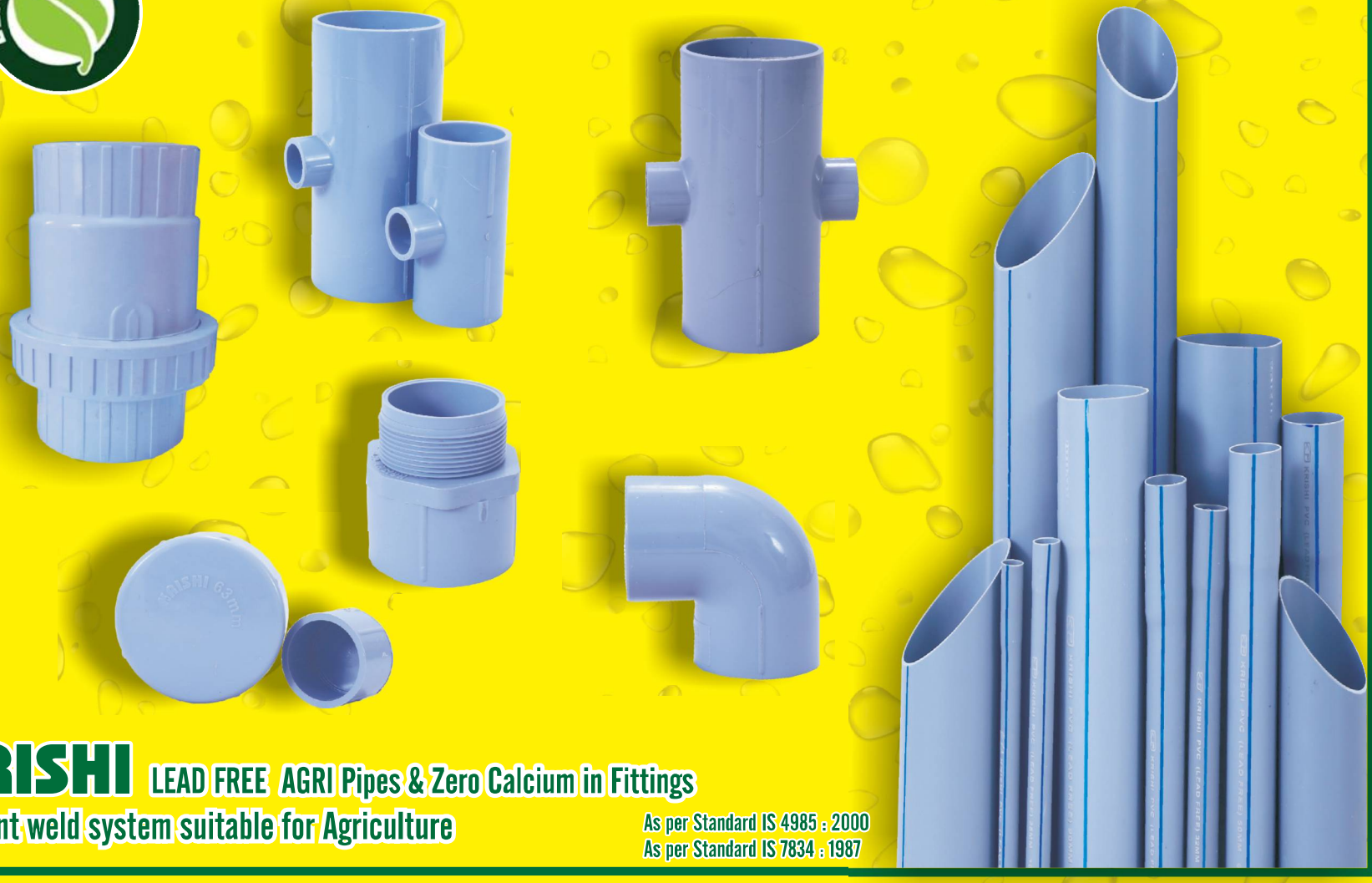
KRISHI LEAD FREE AGRI Pipes & Zero Calcium Fittings

"FOR THOSE WHO NEED ONLY THE BEST"

IS 4985 CM/L-6200174398

IS 7834 CM/L-6200173905

AGRI - PIPES & FITTINGS



KRISHI LEAD FREE AGRI Pipes & Zero Calcium in Fittings

Solvent weld system suitable for Agriculture

As per Standard IS 4985 : 2000

As per Standard IS 7834 : 1987

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KRISHI LEAD FREE AGRI Pipes & Zero Calcium Fittings

IS 4985 CM/L-6200174398

IS 7834 CM/L-6200173905

AGRI - PIPES & FITTINGS

As per Standard IS 4985 : 2000
As per Standard IS 7834 : 1987

LEAD FREE

"FOR THOSE WHO NEED ONLY THE BEST"



TEE



REDUCER TEE



EQUAL CROSS TEE



REDUCER CROSS TEE



PVC BRASS TEE



MOULDED COUPLER



REDUCER COUPLER



FABRICATED COUPLER



ELBOW



PVC BRASS ELBOW



FTA



MTA



SERVICE SADDLE



PVC UNION



PVC NRV

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ISI CERTIFIED

IS 4985 CM/L-6200174398

IS 7834 CM/L-6200173905

KRISHI LEAD FREE AGRI Pipes & Zero Calcium Fittings

AGRI - PIPES & FITTINGS

"FOR THOSE WHO NEED ONLY THE BEST"

As per Standard IS 4985 : 2000
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KRISHI LEAD FREE AGRI Pipes & Zero Calcium in Fittings

Solvent weld system suitable for Agriculture

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ISI CERTIFIED

KRISHI LEAD FREE PVC AGRI Pipe & Zero Calcium Fittings

IS 4985 CM/L-6200174398

IS 7834 CM/L-6200173905

AGRI - PIPES & FITTINGS

"FOR THOSE WHO NEED ONLY THE BEST"

Technical Specifications

NOMINAL OUTSIDE DIAMETER NOMINAL SIZE	SOCKET LENGTH	MEAN OUTSIDE DIAMETER		OUTSIDE DIAMETER AT ANY POINT		WALL THICKNESS										MEAN ST OCK INTERNAL DIAMETER OF MID POINT OF SOCKET LENGTH	
						CLASS 1 / 0.25 Mpa / 2.5 Kg. / Cm²		CLASS 2 / 0.40 Mpa / 4.0 Kg. / Cm²		CLASS 3 / 0.60 Mpa / 6.0 Kg. / Cm²		CLASS 4 / 1.00 Mpa / 8 Kg . / Cm²		CLASS 5 / 1.00 Mpa / 10.0 Kg . / Cm²			
		MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
20	16.0	20.0	20.03	19.5	20.5	-	-	-	-	-	-	-	-	1.1	1.5	20.1	20.3
25	19.0	25.0	25.0	24.5	25.5	-	-	-	-	-	-	1.2	1.6	1.4	1.8	25.1	25.3
32	22.0	32.0	32.3	31.5	32.5		-	-	-	-	-	1.5	1.9	1.8	2.2	32.1	32.3
40	26.0	40.0	40.3	39.5	40.5	-	-	-	-	1.4	1.8	1.8	2.2	2.2	2.7	40.1	40.3
50	31.0	50.0	50.3	49.4	50.6	-	-	-	-	1.7	2.1	2.3	2.8	2.8	3.3	50.1	50.3
63	37.5	63.0	63.3	62.2	63.9	-	-	1.5	1.9	2.2	2.7	2.8	3.3	3.5	4.1	63.1	63.3
75	43.5	75.0	75.3	74.1	75.9	-	-	1.8	2.2	2.6	3.1	3.4	4.0	4.2	4.9	75.1	75.3
90	51.0	90.0	90.3	88.9	91.1	1.3	1.7	2.1	2.6	3.1	3.7	4.0	4.6	5.0	5.7	90.1	90.3
110	61.0	110.0	110.4	108.6	111.4	1.6	2.0	2.5	3.0	3.7	4.3	4.9	5.6	6.1	7.1	110.1	110.4

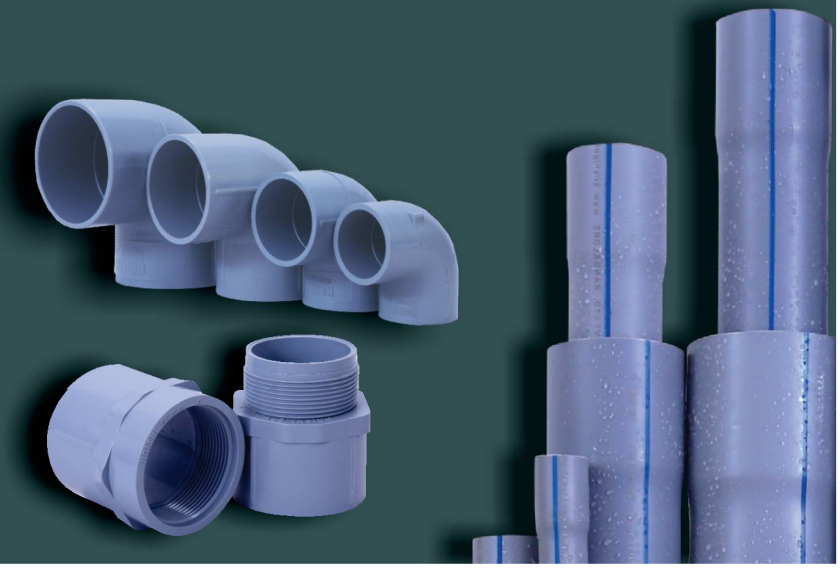
Pipe Standards : As per Standard IS 4985 : 2000
Fitting Standards : Aas per Standard IS 7834 : 1987
Material : U-PVC Compound
Standard Length : 6 Meters Pipes / 3 mtr
Solvent Cement : Heavy Duty
Colour : Grey
Pressure Class : Available in 10 kg/cm², 6kg/cm² , 4kg/cm² , 2.5kg/cm²
Range : Pipes from ½"to 8"
Range : Fitting from ½"to 4"

SALIENT FEATURES

* CORROSION RESISTANCE
* CHEMICAL RESISTANCE
* HIGH FLOW RATES
* UV STABILIZED
* HIGH QUALITY AND RELIABILITY

AGRICULTURAL Piping SYSTEM

Agricultural Piping System
Sewerage and waster lines
Underground or Open line
Telecommunication and ducting
Tubewell
Bio Gas Transmission



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KRISHI LEAD FREE PVC AGRI Pipe & Zero Calcium in Fittings

AGRI - PIPES & FITTINGS

"FOR THOSE WHO NEED ONLY THE BEST"

HOW TO INSTALL

CUTTING : IN ORDER TO MAKE A PROPER NEAT, CUT MEASURE THE PIPE LENGTH ACCURATELY AND MAKE A SMALL MARK. ENSURE THAT THE PIPE AND FITTINGS ARE OF COMPITABLE SIZE. YOU CAN EASILY CUT WITH A WHEEL TYPE PLASTIC PIPE CUTTER OR HACKSAW BLADE. CUT TUBING AS SQUARELY AS POSSIBLE, THIS PROVIDES OPTIMAL BOUNDING AREA WITH IN A JOINT

DEBURRING / BEVELLING : BURRS AND FILLINGS CAN PREVENT PROPER CONTACT BETWEEN TUBE AND FITTING DURING ASSEMBLY. HENCE SHOULD BE REMOVED FROM THE OUT SIDE AND INSIDE OF THE PIPE. A POCKET KNIFE OR FILE ARE SUITABLE FOR THIS PURPOSE. A SLIGHT BEVEL ON THE END OF THE TUBBING WILL EASE ENTRY OF THE TUBING INTO THE FITTING SOCKET.

FITTING PREPARATIONS : USE A CLEAN DRY RAG TO REMOVE DIRT AND MOISTURE FROM THE FITTING SOCKETS AND TUBING END. THE TUBING SHOULD MAKE CONTACT WITH THE SOCKET WALL 1/3 TO 2/3 OF THE WALL INTO THE FITTING SOCKET.

SOLVENT CEMENT APPLICATION: USE ONLY KRISHI SOLVENT CEMENT WHEN MAKING A JOINT APPLY A HEAVY, EVEN COAT OF CEMENT TO THE PIPES AND USE THE SAME APPLICATOR WITHOUT ADDITIONAL CEMENT TO APPLY A THIN COAT INSIDE THE FITTING. TOO MUCH CEMENT CAN CAUSE CLOGGED WATER WAYS.

ASSEMBLY: IMMEDIATELY INSERT THE TUBING INTO THE FITTING SOCKET, ROTATE THE TUBE / TO ½ TURN WHILE INSERTING, THIS MOTION ENSURES EVEN DISTRIBUTION OF CEMENT WITH IN THE JOINT PROPERLY ALIGN THE FITTING. HOLD THE ASSEMBLY FOR APPROXIMATELY 10 SECONDS & ALLOWING THE JOIN TO SET UP.

SET AND CURE TIME : SOLVENT CEMENT SET AND CURE TIME DEPENDS ON FUNCTION OF PIPE, SIZE, TEMPERATURE AND RELATIVE HUMIDITY. CURING TIME IS A SHORTER FOR DRIER ENVIRONMENTS, SMALLER SIZES AND HIGHER TEMPERATURE. IT REQUIRES 10 TO 20 MINUTES FOR PERFECT JOINTS.

ALWAYS ALLOW MINIMUM 12 HOURS CURING PERIOD TO SETTLE JOINT AND THE PRESSURE TEST IS TO BE CARRIED OUT THEREAFTER. FOR COLDER TEMPERATURES, IT IS NECESSORY TO WAIT A LONGER PERIOD. PRESSURE TEST TO BE CARRIED OUT NECESSARILY BEFORE CONCEALING.

KRISHI LEAD FREE PVC AGRI Pipe & Zero Calcium in Fittings

"FOR THOSE WHO NEED ONLY THE BEST"

GENERAL INSTRUCTIONS

HOW TO USE
SOLVENT CEMENT

Before Beginning

- Cement takes longer time to set up in cold weather. Be sure to allow extra time for curing. Do not try to speed up the cure by artificial means - this could cause porosity and blisters in the cement film
- Solvent evaporate faster in warm weather. Work quickly to avoid the cement setting up before the joint is assembled.
- Keep the cement as cool as possible. Store out of direct sunlight.
- Keep the lid on solvent cement when not in use. Evaporation of the solvent will affect the cement
- Stir or shake before using.
- Use 20mm (1/2") dauber on small diameter pipes, 40mm (1 1/4") dauber up through 90mm (3") pipe and a natural bristle brush, swab or roller ½"the pipe diameter on pipes 4" and up.
- Do not mix cleaner or primer with cement.
- Do not use thickened or lumpy cement. It should have the consistency of syrup honey.
- Do not handle joints immediately after assembly.
- Do not allow dauber to dry out.
- All colored cements, primers and cleaners will leave a permanent stain. There is no known cleaning agent.
- Use according to the step out line in ASTM D-2846

Do's

- Install Products as per KRISHI Guidelines and follow all safety practices.
- Keep all the products in original packaging until needed.
- Cut-off more than 25mm beyond the edge of the crack in case any crack is discovered on the pipe.
- Always conduct Hydraulic pressure testing to detect any leaks or faults. Wait for enough cure time before testing pressure. Fill lines slowly and bleed air before pressure testing.
- Rotate the pipe 90 to 180 to spread the solvent cement to entire joint while pushing the pipes into fitting.
- Use Teflon tapes with threaded fittings.
- Apply only water - based paint on exposed pipes and fittings

Do Not's

- Do not use metal hooks or nails to support / hold or put pressure.
- Do not use strapes and hangers with rough or sharp edges. Do not tighten the strips over the pipes.
- Never expose the pipe to open Flame while trying to band it.
- Do not drop pipes on edges from heights. Do not drop heavy objects on pipes or walk on pipes.
- Do not dilute solvent cement with Thinners / MTO or any other liquid etc.,
- Do not use air or gases for pressure testing.
- Do not use any other petroleum or solvent - based sealent, adhesive, lubricant or fire stop material on pipes and fittings.
- Do not use pipes and fittings for pneumatic applications.
- Apply only water -based paint on exposed pipes & fittings.

SUPARNA PLASTICS PVT. LTD.

Pioneer in Compact Ball valves *India's Largest Ball Valve Manufacturer*

KRISHIKA® BALL VALVES

LEAD FREE

INDIA'S NO 1 BALL VALVE

Lead Free,
Zero Calcium
Ball valves





100% LEAK PROOF GUARANTEE



1st Ball Valve
Manufacturer
to use Robots
for Increased
Quality



100% TESTED

www.krishika.in

KRISHIKA® BALL VALVES

Lead Free & Zero Calcium in Ball valves



1st Ball Valve Manufacturer to use Robots for Increased Quality

Pioneer in Compact Ball valves

India's Largest Ball Valve Manufacturer

LEAD FREE

KRISHIKA PVC BALL VALVE

Normal Handle

* Available in Plain & Thread



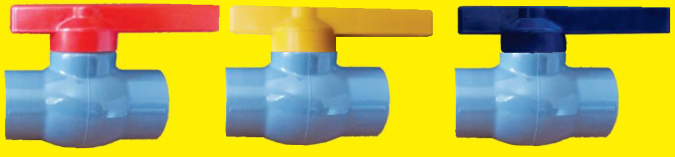
Long Handle
32mm to 110mm

KRISHIKA PLUS PVC BALL VALVE



* Available in Plain & Thread

KRISHIKA-ECO PVC BALL VALVE



* Available in Plain End

PRODUCT DETAILS

SPECIFICATION :-

1. Material : RPVC / UPVC / CPVC
2. Operating Pressure : upto 100 PSI (7Kg / cm^2)
3. Maximum Tested Pressure : upto 200 PSI (14Kg / cm^2)

ADVANTAGE :-

- No leakage from connection
- Easy to install
- Long life
- Non Corrosive
- Does not get jammed even if not operated for long time
- Easy to operate
- As the handle is made out of Engineering Plastic chances of breakage is negligible
- Suitable for Agricultural and Domestic purposes

FUNCTION :-

Irrigation system

Pure water Transporting system

Waste water Transporting system

Drinking Water Transporting system

Chemical Transporting system, Fishery



APPLICATION :-

Chemical Plants, Coating Plants,

Paper Plants, Food Plants,

Pharmaceutical Plants,

Water Processing and hospitals

PVC BALL VALVE
(As per IS 4985-2000/
ISO 161/1:1978)

SIZE		DIMENSIONS		AVAILABILITY					
MM	INCHES	ENTRY	END	KRISHIKA	STD BOX	KRISHIKA PLUS	STD BOX	KRISHIKA-ECO	STD BOX
20	1/2"	20.30	20.10	✓	30 Nos.	✓	60 Nos.	✓	60 Nos.
25	3/4"	25.30	25.10	✓	30 Nos.	✓	60 Nos.	✓	60 Nos.
32	1"	32.30	32.10	✓	30 Nos.	✓	60 Nos.	✓	60 Nos.
40	1 1/4"	40.30	40.10	✓	30 Nos.	✓	60 Nos.	✓	60 Nos.
50	1 1/2"	50.30	50.10	✓	20 Nos.	✓	40 Nos.	✓	40 Nos.
63	2"	63.30	63.10	✓	20 Nos.	✓	40 Nos.	✓	40 Nos.
75	2 1/2"	75.30	75.10	✓	20 Nos.	-	X	-	X
90	3"	90.30	90.10	✓	12. Nos	-	X	-	X
110	4"	110.30	110.10	✓	10 Nos.	-	X	-	X

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KRISHIKA® BALL VALVES

Lead Free & Zero Calcium in Ball valves



Pioneer in Compact Ball valves

India's Largest Ball Valve Manufacturer

KRISHIKA UPVC COMPACT BALL VALVE





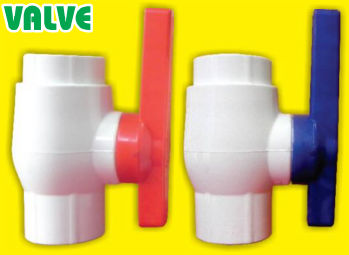
Long Handle
32mm to 110mm

Normal Handle

* Available in Plain & Thread

KRISHIKA UPVC SINGLE UNION DESIGN BALL VALVE





Long Handle
1/2" to 2"

Normal Handle

* Available in Plain

KRISHIKA PLUS UPVC BALL VALVE



* Available in Plain & Thread

UPVC BALL VALVE
(As per ASTM D-1785)

SIZE		DIMENSIONS		AVAILABILITY					
MM	INCHES	ENTRY	END	UPVC COMPACT	STD BOX	UPVC SINGLE UNION DESIGN	STD BOX	UPVC KRISHIKA PLUS	STD BOX
20	1/2"	21.54	21.23	✓	30 Nos.	✓	60 Nos.	✓	60 Nos.
25	3/4"	26.87	26.57	✓	30 Nos.	✓	60 Nos.	✓	60 Nos.
32	1"	33.65	33.27	✓	30 Nos.	✓	30 Nos.	✓	60 Nos.
40	1 1/4"	42.42	42.04	✓	30 Nos.	✓	20 Nos.	✓	60 Nos.
50	1 1/2"	48.56	48.11	✓	20 Nos.	✓	20 Nos.	✓	40 Nos.
63	2"	60.63	60.17	✓	20 Nos.	✓	12 Nos.	✓	10 Nos.
75	2 1/2"	73.38	72.48	✓	20 Nos.	-	X	-	X
90	3"	89.30	88.69	✓	12. Nos	-	X	-	X
110	4"	114.75	113.95	✓	10 Nos.	-	X	-	X

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KRISHIKA® BALL VALVES

Lead Free & Zero Calcium in Ball valves



Pioneer in Compact Ball valves

India's Largest Ball Valve Manufacturer

KRISHIKA CPVC COMPACT BALLVALVE

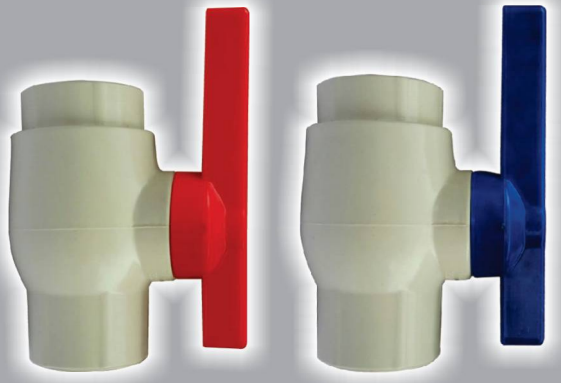


Normal Handle

KRISHIKA SINGLE UNION DESIGN (S.U.D.)CPVC BALLVALVE

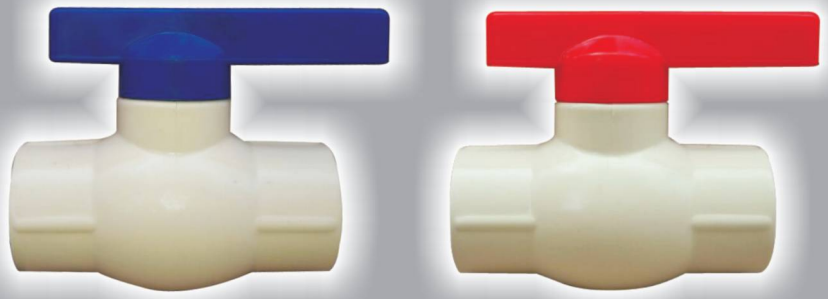


Normal Handle



Long Handle

KRISHIKA PLUS CPVC BALLVALVE



CPVC BALL VALVE (As per ASTM D-2846)

SIZE		DIMENSIONS		AVAILABILITY					
MM	INCHES	ENTRY	END	CPVC COMPACT	STD BOX	CPVC SINGLE UNION DESIGN	STD BOX	CPVC KRISHIKA PLUS	STD BOX
15	1/2"	16.08	15.72	✓	60 Nos.	✓		✓	
20	3/4"	22.45	22.10	✓	60 Nos.	✓	60 Nos.	✓	60 Nos.
25	1"	28.83	28.47	✓	30 Nos.	✓	30 Nos.	✓	60 Nos.
32	1 1/4"	35.20	34.85	✓	30 Nos.	✓	30 Nos.	✓	
40	1 1/2"	41.66	41.20	✓	20 Nos.	✓	20 Nos.	✓	
50	2"	54.38	53.92	✓	20 Nos.	✓	20 Nos.	✓	

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KRISHI

Irrigation Equipment

South India's Largest Sprinklers Manufacturer

LEAD FREE

PS-30 MINI SPRINKLER



- 1/2" BSP Full Circle Sprinkler
- Nozzle Diameter :3mm
- Working Pressure : 1.0-3.0 Bar
- Radius : 8-12m
- Flow : 8-10 LPM

PS-40



- ½ " BSP Full Circle Impact Sprinkler
- Made of high strength Polyacetal
- Nozzle Diameter: 3.5 *2.5 mm
- Working Pressure: 1.5-3.5 Bar
- 25 ° Trajectory angle
- Radius: 9-13m
- Flow: 12.5-22LPM

PS-50



- ¾" BSP Full Circle Impact Sprinkler
- Made of high strength Polyacetal
- Nozzle Diameter: 5.1 *2.5 mm
- Working Pressure: 1.0-4.0 Bar
- 25° Trajectory angle
- Radius:12-16m
- Flow: 24-38 LPM

PS-100



- 1 " BSP Full Circle Impact Sprinkler
- Made of high strength Polyacetal
- Nozzle Diameter: 7 *3.1 mm
- Working Pressure: 2-3.5 Bar
- 25 ° Trajectory angle
- Radius : 18-25m
- Flow: 52-70 LPM

Adjustable Sprinkler



- ½ " BSP Part/Full Circle Impact Sprinkler
- Made of high strength Polyacetal
- Nozzle Diameter: 3.2 mm
- Working Pressure: 1-2.5 Bar
- 25 ° Trajectory angle
- Radius:10-18m
- Flow: 9-20 LPM

Plastic Rain Gun



- 1 ½ " Female Part/Full Circle Impact Sprinkler
- Made of high strength Polyacetal
- Nozzle Diameter: 16*2.5 mm
- Working Pressure: 1.5-3.5 Bar
- Radius :36-60m
- Flow:78.3-116 LPM

KR- 40



- ¾" BSP Full Circle Impact Sprinkler
- Made of Gunmetal, Brass & SS
- Nozzle Diameter: 5.1 *2.5 mm
- Working Pressure: 1.0-4.0 Bar
- Radius : 12-16m
- Flow: 24-38 LPM

KR- 60



- ¾" BSP Full Circle Impact Sprinkler
- Made of Gunmetal, Brass & SS
- Nozzle Diameter: 5.1 *2.5 mm
- Working Pressure: 1.0-4.0 Bar
- Radius : 13-18.5m
- Flow: 28-42 LPM

Metal Rain Gun



- 1 ½ " Female Part/Full Circle Impact Sprinkler
- Made of Alumnium Casting, Brass and Stainless Steel
- Nozzle Diameter: 16*2.5 mm
- Working Pressure: 1.5-3.5 Bar
- Radius :36-60m
- Flow:78.3-116 LPM

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KRISHI

Irrigation Equipment

South India's Largest Sprinklers Manufacturer

LEAD FREE

Micro Sprinkler



- ½ " BSP Full Circle Sprinkler
- Body made of HDPE
- Nozzle Diameter: 2.0mm- 3.0mm
- Working Pressure: 1.0-2.0 Bar
- Radius : 3-5.5m
- Flow: 3-7.5 LPM

KRISHI Aqua Micro Sprinkler



- ½ BSP Thread / 4mm Drip Lateral Connection
- Body Made of Polyacetal
- Nozzle Diameter : 1.8-2.5mm
- Working Pressure : 1.0-2.0BAR
- Radius 4-6m
- Flow : 1.5-3.5 LPM

C Type Micro sprinkler



- 4mm Drip Lateral Connection Sprinkler
- Body made of Polyacetal
- Nozzle Diameter: 1.2mm
- Working Pressure: 1.0-2.0 Bar
- Radius : 1.5-2.6m
- Flow: 1.2-1.6 LPM

Butterfly Sprinkler



- ¼ " BSP Full Circle Sprinkler
- Body made of PP
- Nozzle Diameter: 3.0mm
- Working Pressure: 1.0-2.0 Bar
- Radius : 5-7m
- Flow: 9-12 LPM

Rocker Sprinkler



- ½ BSP Full Circle Sprinkler
- Body Made of Polyacetal
- Nozzle Diameter : 3.0mm
- Working Pressure : 1.0-2.0BAR
- Radius 7-8m
- Flow : 8-9 LPM

C Type Mist



- 4mm Drip Lateral Connection Sprinkler
- Body made of Polyacetal (POM)
- Nozzle Diameter: 1.2mm
- Working Pressure: 1.0-2.0 Bar
- Radius : 1.5-2.5m
- Flow: 0.6-1.8 LPM

Clapet Valve



- 1" & 1 ½ " Female Connections
- Made from PP
- Used on permanent lines for quick connection and disconnection of sprinklers
- Advantageous over Ball type QRCs' due to no leakage at 0 Pressure.
- SS Springs
- Long Life

Clapet Riser



- ¾" & 1 ¼ " Female Connections for sprinkler connection.
- Made from PP
- Used with clapet valves for quick connection and disconnection of sprinklers
- Advantageous over Ball type QRCs' due to no leakage at 0 Pressure.
- Zinc Plated Hooks
- Long Life

Drip Fittings



- Drip Fittings of all sizes 4 mm, 8 mm 12 mm, & 16 mm
- All fittings made from PP/HDPE

Drip Irrigation Filter



- Irrigation Filter with SS Mesh

2" , 2 ½" & 3" Connections

Drip Lateral



- Online Drip lateral of all sizes 1.5mm, 2mm, 2.5mm, 4mm, 8mm, 12mm & 16mm
- Inline Drip lateral of all sizes 12mm, 16mm, 20mm

Pop Up Sprinkler



- ½ " Part/Full Circle Pop Up Sprinkler
- Made of high strength Polyacetal
- Working Pressure: 1-3.5 Bar
- Optimum Pressure: 2 Bar
- Radius:3.0-4.0m
- Flow: 1.2 LPM
- Nozzle Arc Adjustment: 0-360°

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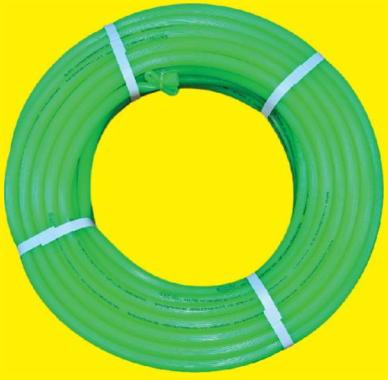
KRISHI

Lead Free PVC Garden Hose Pipes

Zebra Type



Single Layer



Level Tube



Available Sizes
6mm & 8mm

LEAD FREE

Double Layer



Transparent



Salient Features:



Twist Free
High Durability
Laser printed meter marking
(Available in 15 meter and 30 meter Roll)

Available from 1/2”-1 1/4”

KRISHI

Lead Free PVC Suction Hose Pipes



Available from 3/4”- 4”

(Available in 15 meter and 30 meter Roll)

LEAD FREE

Salient Features:

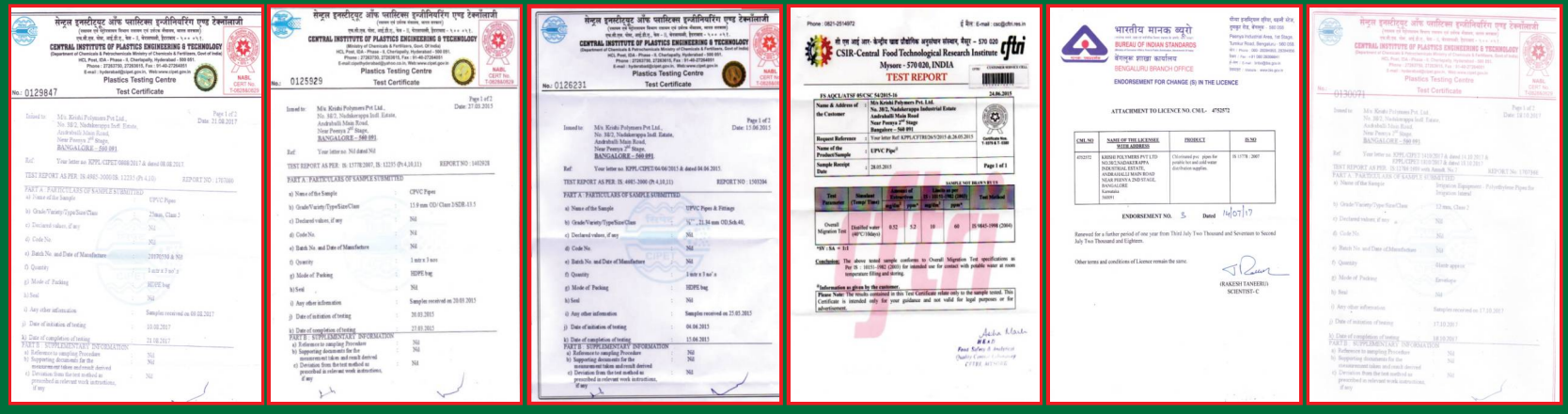
High Strength Reinforcement

High Durability

Withstands High Pressure

Available in 3 Variants

* ECO
* NORMAL
* HEAVY



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