



# C.R.I. PIPES

*Quality in every inch*

## ONE STOP PIPING SOLUTION







## **Vision, Mission and Values**

To be the industry leader providing best-in-class fluid management solutions to individual and institutional customers and societies in our chosen markets.

We will achieve this through our dedicated efforts to enhance the welfare of all our stakeholders and by living by our values of **Commitment, Reliability** and **Innovation**.





## ABOUT C.R.I.



C.R.I. ranks high among the world's fastest-growing fluid management solutions provider with a wide global presence. C.R.I. offers Pumps, Motors, IoT Driven Pumps, IoT Drives & Controllers, Pipes, Wires & Cables, Solar Pumps and Controllers to meet the pumping needs of its wide customer base.



**60+** Years  
of Engineering  
Expertise



**120+** Countries  
have our strong  
global presence



**21+**  
Manufacturing Units  
around the World



**30000+** Outlets  
to serve our  
Customers



**9000+**  
Products for various  
applications



**1500+**  
Service Centres to  
support our Customers



**18 Times**  
EEPC Award Winner  
for Export Excellence



**8 Times**  
NEC Award Winner  
for Energy Savings



**Fludyn Advanced  
Technology Centre**  
Recognized by Ministry of  
Science & Technology,  
Govt. of India.

**C.R.I. PIPES** - C.R.I.'s state-of-the-art manufacturing facility at Ahmedabad & Hosur produces all kinds of best quality PVC, UPVC, CPVC Pipes & Fittings. The plants are empowered with fully automated machines that control the manufacturing process.

**C.R.I. WIRES & CABLES** - C.R.I.'s Wires & Cables are manufactured at its state-of-the-art manufacturing facility. The systems at the manufacturing facility are ISO-9001 certified and the products manufactured to meet the relevant standards.

**C.R.I. SOLAR PUMPING SYSTEM** - C.R.I. manufactures sustainable Solar Pumping Systems designed to work with best in class efficiency. With this C.R.I. emphasizes its focus towards greener technology.



## uPVC SWR PIPES & FITTINGS

C.R.I. uPVC SWR (Solid, Waste & Rainwater) pipes is manufactured as per IS 13592:2013 standard available in 75, 90, 110 & 160mm in solvent and ring fit types. The fittings are manufactured in sizes 40mm to 160mm as per IS 14735 : 1999. C.R.I. SWR drainage system is designed for quick and efficient removal of waste without leakage. It is highly resilient, tough and durable with high tensile and impact strength. Moreover it is free from scale formation, rusting, weathering and chemical action. It is virtually immune to attack by bacteria, fungi, micro-organisms and insects. Thus the system is a long term solution for building drainage with estimated life over 50 years.





## FEATURES AND BENIFITS

- Manufactured from high quality uPVC compound offering high strength and durability.
- Processed at high end and latest state of the art equipment keeps up with the consistency in quality and the prescribed specifications.
- **Chemical properties** – Non corrosive, ensures longer life cycle.
- **Physical properties** – Lighter in weight than conventional metal pipes, easy handling, transportation and installation
- **Longer life** – Life cycle upto 50 years, saves replacement and replenishment costs.
- **Anti corrosive & Non-conductive** – Excellent life avoiding electro chemical reactions.
- **Convenient and reliable** – Provides easy and stronger joints.
- Adequate and easy access for cleaning and clearing obstructions.
- **Less maintenance** - Once installed C.R.I. SWR drainage system needs minimal or no maintenance.
- **Cost effective** - SWR drainage system is more cost effective than any conventional drainage system.

## TECHNICAL DETAILS

### Specifications for SWR Solvent Fit & Ring Fit PVC Pipes

NOMINAL DIAMETER DN	MEAN OUTSIDE DIAMETER OF PIPE		OUTSIDE DIAMETER OF PIPE AT ANY POINT		WALL THICKNESS	
	Min.	Max.	Min.	Max.	Min.	Max.
75 A	75	75.3	74.1	75.9	1.8	2.2
75 B	75	75.3	74.1	75.9	3.2	3.8
90 A	90	90.3	88.9	91.2	1.9	2.3
90 B	90	90.3	88.9	91.2	3.2	3.8
110 A	110	110.4	108.6	111.4	2.2	2.7
110 B	110	110.4	108.6	111.4	3.2	3.8
160 A	160	160.5	158	162	3.2	3.8
160 B	160	160.5	158	162	4.2	4.8

NOTE : As per IS 13592 : 2013 TYPE A pipes are recommended for use in ventilation pipe work and rain water application and TYPE B pipes are recommended for use in soil and waste discharge system. Pipes are available in 2, 3, 4, 6 and 10 feet lengths in single and double sockets in all sizes.

### Consumption of Rubber Lubricant

Size in mm	75	90	110	160
No. of joints / kg.	500	400	300	200

### Maximum Support Distance in Meters

Size in mm	75	90	110	160
Horizontal	0.75	0.9	1.1	1.6
Vertical	2	2	2	2

# CERTIFICATIONS



## CERTIFICATE

Management system as per  
**ISO 9001 : 2015**

In accordance with TÜV NORD CERT procedures, it is hereby certified that

**C.R.I. PUMPS PRIVATE LIMITED**  
**UNIT : KRISGO INDUSTRIES - II**  
**No.431 & 432, Alur Village,**  
**Near Sipcot Phase-II,**  
**Hosur, Tamilnadu – 635 109,**  
**India**



applies a management system in line with the above standard for the following scope

**Manufacture and Supply of PVC Pipes and Accessories.**

Certificate Registration No. **44 100 18591932/16**  
 Audit Report No. **2-3-499629/16**

*SCG*

Certification Body  
 at TÜV NORD CERT GmbH

Valid until **04.09.2021**


Issue **05.09.2018**  
 Place : **Mumbai**

This certification was conducted in accordance with the TÜV NORD CERT auditing and certification procedures & shall be valid subject to regular Surveillance Audits.

TÜV NORD CERT GmbH    Langemarkstrasse 20    45141 Essen    [www.tuv-nord-cert.com](http://www.tuv-nord-cert.com)

TÜV India Pvt. Ltd.,    801, Phejas Plaza – 1, L.B.S. Marg,    Ghatkopar (W),    Mumbai - 400 086, India    [www.tuv-india.com](http://www.tuv-india.com)



Manak Bhavan, 9 Bahadur Shah Zafar Marg, New Delhi 110002, 9 Bahadur Shah Zafar Marg, DELHI 110002

Phone: +91 11 23230131, 23233375, 23234002  
 Fax: +91 11 23234062, 232  
 E-Mail: [info@bis.gov.in](mailto:info@bis.gov.in)  
 Web: [www.bis.org.in](http://www.bis.org.in), [www.manakonline.in](http://www.manakonline.in)

Date: 06/2017

Our Ref :CML 670005915

Subject: Grant of BIS Certification Marks Licence No 670005915 as per IS 4985:2000

**Mr KRISGO INDUSTRIES, UNIT - II**  
**(A UNIT OF C.R.I.PUMPS PVT LTD)**  
**8F No.431&2, ALUR VILLAGE,**  
**HOSUR TALUK,**  
**KRISHNAGIRI,**  
**TAMIL NADU/635109**

*SCG*

Dear Sir,

With reference to your application, we are pleased to inform you that it has been decided to grant you a licence to use the Standard Mark in respect of the following:

**Unplasticized PVC Pipes for Potable Water Supplies**  
 Class 1 Size 90 to 250mm Plain & Socketed Solvent Cement jointing  
 Class 2 Size 63 to 250mm Plain & Socketed Solvent Cement jointing  
 Class 3 Size 40 to 250mm Plain & Socketed Solvent Cement jointing  
 Class 5 Size 20 to 250mm Plain & Socketed Solvent Cement jointing and  
 Plumbing pipes, Size 20mm to 50mm


1. The licence is being granted with the explicit condition that you will mark entire/substantial production which conforms to the Indian Standards referred above.

2. The number assigned to this licence is CML- 670005915 which has been made operative from **02-06-2017** and is valid upto **01-06-2018**. The licence number should invariably be referred to in your future correspondence.

3. According to sub-regulation (2) of Regulation 6 of Bureau of Indian Standards (Certification) Regulation, 1988, the licence fee of Rs Rs. 2000.00 and the marking fee as stipulated in the Second Schedule of this licence is payable by you with effect from 02-06-2017 for the period of validity of the licence. Service tax @ 15.00 % as applicable shall also be charged.

4. Minimum marking fee stipulated therein is payable by you regardless of the whether you actually mark your product or not with the Standard Mark.

*SCG*



Manak Bhavan, 9 Bahadur Shah Zafar Marg, New Delhi 110002, 9 Bahadur Shah Zafar Marg, DELHI 110002

Phone: +91 11 23230131, 23233375, 23234002  
 Fax: +91 11 23234062, 232  
 E-Mail: [info@bis.gov.in](mailto:info@bis.gov.in)  
 Web: [www.bis.org.in](http://www.bis.org.in), [www.manakonline.in](http://www.manakonline.in)

Date: 06/2017

Our Ref :CML 670005916

Subject: Grant of BIS Certification Marks Licence No 670005916 as per IS 12818.

**Mr KRISGO INDUSTRIES, UNIT - II**  
**(A UNIT OF C.R.I.PUMPS PVT LTD)**  
**8F No.431&2, Sumanapalli Road,**  
**Alur Village, Hosur Taluk,**  
**KRISHNAGIRI,**  
**TAMIL NADU/INDIA 635109**

*SCG*

Dear Sir,

With reference to your application, we are pleased to inform you that it has been decided to grant you a licence to use the Standard Mark in respect of the following:

**Unplasticized Polyvinyl Chloride (PVC-u) Screen And Casing Pipes For Bare/In-borewell**  
 CS Pipe DN 150, 175 & 200  
 CM Pipe DN 100, 115, 125, 150, 175 & 200


1. The licence is being granted with the explicit condition that you will mark entire/substantial production which conforms to the Indian Standards referred above.

2. The number assigned to this licence is CML- 670005916 which has been made operative from **06-06-2017** and is valid upto **05-06-2018**. The licence number should invariably be referred to in your future correspondence.

3. According to sub-regulation (2) of Regulation 6 of Bureau of Indian Standards (Certification) Regulation, 1988, the licence fee of Rs Rs. 2000.00 and the marking fee as stipulated in the Second Schedule of this licence is payable by you with effect from 06-06-2017 for the period of validity of the licence. Service tax @ 15.00 % as applicable shall also be charged.

4. Minimum marking fee stipulated therein is payable by you regardless of the whether you actually mark your product or not with the Standard Mark.

*SCG*



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 E-Mail: [info@bis.gov.in](mailto:info@bis.gov.in)  
 Web: [www.bis.org.in](http://www.bis.org.in), [www.manakonline.in](http://www.manakonline.in)

Date: 20-06-2017

Our Ref :CML 6700059413

Subject: Grant of BIS Certification Marks Licence No 6700059413 as per IS 13592.

**Mr KRISGO INDUSTRIES (UNIT-II)**  
**(A UNIT OF C.R.I. PUMPS PVT LTD)**  
**8F No.431&2, Sumanapalli Road**  
**Alur Village, Hosur Taluk,**  
**KRISHNAGIRI,**  
**TAMIL NADU/INDIA 635109**

*SCG*

Dear Sir,

With reference to your application, we are pleased to inform you that it has been decided to grant you a licence to use the Standard Mark in respect of the following:

**UPVC pipes for soil and waste discharge system**  
 Type A DN 40, 50, 63, 75, 90, 110, 125, 140 & 160  
 Grooved Socket end and Socket ended for Solvent Cement jointing  
 Type B DN 40, 50, 63, 75, 90, 110, 125, 140 & 160  
 Grooved Socket end and Socket ended for Solvent Cement jointing


1. The licence is being granted with the explicit condition that you will mark entire/substantial production which conforms to the Indian Standards referred above.

2. The number assigned to this licence is CML- 6700059413 which has been made operative from **02-06-2017** and is valid upto **01-06-2018**. The licence number should invariably be referred to in your future correspondence.

3. According to sub-regulation (2) of Regulation 6 of Bureau of Indian Standards (Certification) Regulation, 1988, the licence fee of Rs Rs. 2000.00 and the marking fee as stipulated in the Second Schedule of this licence is payable by you with effect from 02-06-2017 for the period of validity of the licence. Service tax @ 15.00 % as applicable shall also be charged.

4. Minimum marking fee stipulated therein is payable by you regardless of the whether you actually mark your product or not with the Standard Mark.

*SCG*



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 Web: [www.bis.org.in](http://www.bis.org.in), [www.manakonline.in](http://www.manakonline.in)

Date: 20-06-2017

Our Ref :CML 6700059514

Subject: Grant of BIS Certification Marks Licence No 6700059514 as per IS 15778.

**Mr KRISGO INDUSTRIES, UNIT - II**  
**(A UNIT OF C.R.I.PUMPS PVT LTD)**  
**8F No.431 & 432 Alur Village,**  
**HOSUR,**  
**KRISHNAGIRI,**  
**TAMIL NADU/INDIA 635109**

*SCG*

Dear Sir,

With reference to your application, we are pleased to inform you that it has been decided to grant you a licence to use the Standard Mark in respect of the following:

**Chlorinated polyvinyl chloride (CPVC) pipes for potable hot and cold water distribution supplies**  
 Class 1 SDR 11, Sizes - 15mm to 50mm  
 Class 2 SDR 13.5 Sizes 15mm to 50mm

1. The licence is being granted with the explicit condition that you will mark entire/substantial production which conforms to the Indian Standards referred above.

2. The number assigned to this licence is CML- 6700059514 which has been made operative from **02-06-2017** and is valid upto **01-06-2018**. The licence number should invariably be referred to in your future correspondence.

3. According to sub-regulation (2) of Regulation 6 of Bureau of Indian Standards (Certification) Regulation, 1988, the licence fee of Rs Rs. 2000.00 and the marking fee as stipulated in the Second Schedule of this licence is payable by you with effect from 02-06-2017 for the period of validity of the licence. Service tax @ 15.00 % as applicable shall also be charged.

4. Minimum marking fee stipulated therein is payable by you regardless of the whether you actually mark your product or not with the Standard Mark.

*SCG*



**IAPMO Plumbing Codes and Standards India Pvt. Ltd.**  
 No.43, 4th Floor, PNR Tower, Serenitee Apartments, Near IISc Road junction, Bangalore, Karnataka 560 002



## CERTIFICATE OF LISTING

LICENSING: Krigo Industries Unit-II, Unit of C.R.I. Pumps Private Limited, Alur Village, Hosur, TN, India Pin: 635 109  
 File No. IN-178    Product: Drinking Water System Components- Health Effects    Valid After FEBRUARY 28, 2021

IDENTIFICATION: Each of the listed uPVC Casing Pipes shall be permanently and legibly marked with the manufacturer's name or trademark or name of the client to which the products are manufactured. The product may be marked with "LEAD FREE" in compliance with the standard designation "NSF/ANSI 372". Product also complies to RoHS requirement.

CHARACTERISTICS: Materials or products that come into contact with drinking water and/or drinking water treatment chemicals. Products and materials may include process media, protective materials, joining and sealing materials, pipes and related products, mechanical devices and with treatment/distribution/distribution systems, and mechanical joining devices. To be installed in accordance with the manufacturer's instruction. Lead free requirements are addressed under this certificate of listing based on RoHS compliance.

Products listed on this certificate have been tested by an IAPMO R&T recognized laboratory. This recognition has been granted based upon the laboratory's compliance to the applicable requirements of ISO/IEC 17025.

Products are in compliance with the following standard(s): NSF/ANSI 372:2016 and RoHS.

*K. Chandrasekhar*  
 Dr. K. Chandrasekhar  
 Managing Director

*Ravi Chandy*  
 Ravi Chandy  
 CEO, The IAPMO Group



This listing period is based upon the last date of the reports indicated on the Effective Date and last date shown above. Any change in material, manufacturing process, marking or design without notice that contained the substance of listed pipes or any material of non-compliance with regulatory code and standards is of notice. Furthermore, any change in design or manufacturing process may be grounds for revocation of this listing.

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Redefining  
heights

6<sub>mtr</sub> (20ft)

C.R.I. Column Pipes



✿ CATERS TO DIVERSE SEGMENTS ✿

WATER & WASTE WATER | SOLAR | PROCESS INDUSTRIES | SEWAGE & EFFLUENT  
TREATMENT PLANTS HVAC | FIRE FIGHTING | METAL & MINING | FOOD & BEVERAGE  
AGRICULTURE | RESIDENTIAL



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