



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.



CPVC PLUMBING PIPES & FITTINGS

For Hot & Cold water applications

C.R.I. CPVC (Chlorinated Polyvinyl Chloride) pipes and fittings are the quality plumbing system for carrying hot and cold water. These pipes & fittings are manufactured as per the standards of IS 15778 & ASTM D 2846 in sizes from 15mm to 50mm with the class of SDR 11 & SDR 13.5 and ASTM F 441 for higher diameter pipe sizes from 65mm to 100mm with the class of SCH 40 & SCH 80 and ASTM F438 for SCH 40 & ASTM F439 for SCH 80 Fittings. The advantages of PVC and Chlorine, results in carrying hot water at a maximum temperature of 82°C and are maintenance free for life.



FIELDS OF APPLICATION

Plumbing application in buildings, Water distribution mains Industrial process lines, Swimming pools, Salt water lines, Aggressive / corrosive fluid transportation, Sugar, paper and distillery industry, Coal washing and ash handling, Pipes for hand pumps.

FEATURES

- **Corrosion & Chemical Resistant** - C.R.I. CPVC pipes and fittings have excellent chemical resistance properties to withstand salty and chlorinated water conditions.
- **Fire Resistant** - C.R.I. CPVC pipes & fittings are fire resistant and self-extinguishing.
- **Heat & Pressure Resistant** - Since it has high heat & pressure resistance properties, these pipes are preferred to carry potable hot & cold water in residential and commercial buildings.
- **Maintenance Free** - C.R.I. CPVC pipes & fittings are free from corrosion, rust, weathering & leakage and ensures years of trouble free performance.
- **Easy to Install** - No special tools required for installing. The pipes and fittings are easily joined using solvent cements.
- **Low Thermal Expansion & Contraction** - C.R.I. CPVC pipes and fittings have lower thermal expansion & contraction compared to other thermoplastics and metal pipes. Therefore, distortion of pipelines due to flow of hot water and thus leading to looping is reduced.

TECHNICAL DETAILS

Dimensions and water pressure rating as per IS : 15778 : 2007

Nominal Size in mm	Outer Diameter (D) in mm		SDR 11				SDR 13.5			
			Wall Thickness (t) in mm		Working Pressure at (kgf/cm ²)		Wall Thickness (t) in mm		Working Pressure at (kgf/cm ²)	
	Min	Max	Min	Max	27° C	82° C	Min	Max	27° C	82° C
15	15.8	16.0	1.7	2.2	28.10	6.90	1.4	1.9	22.20	5.60
20	22.1	22.3	2.0	2.5	28.10	6.90	1.7	2.2	22.20	5.60
25	28.5	28.7	2.6	3.1	28.10	6.90	2.1	2.6	22.20	5.60
32	34.8	35.0	3.2	3.7	28.10	6.90	2.6	3.1	22.20	5.60
40	41.2	41.4	3.8	4.3	28.10	6.90	3.1	3.6	22.20	5.60
50	53.9	54.1	4.9	5.5	28.10	6.90	4.0	4.6	22.20	5.60

Dimensions and water pressure rating as per ASTM F441

Nominal Size in mm	Outer Diameter (D) in mm		SCH 40				SCH 80			
			Wall Thickness (t) in mm		Working Pressure at (kgf/cm ²)		Wall Thickness (t) in mm		Working Pressure at (kgf/cm ²)	
	Min	Max	Min	Max	27° C	82° C	Min	Max	27° C	82° C
65	72.84	73.20	5.16	5.77	21.00	5.30	7.01	7.85	29.50	7.30
80	88.70	89.10	5.49	6.15	18.20	4.60	7.62	8.53	25.90	6.30
100	114.07	114.53	6.02	6.73	15.50	3.90	8.56	9.58	22.50	5.60

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** Valid until **04.09.2021**
 Audit Report No. **2-3-499629/16**

 Issue **05.09.2018**
 Certification Body Place: **Mumbai**
 at TÜV NORD CERT GmbH

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

 Bureau of Indian Standards

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

Phone: +91 11 23230131, 23233375, 23239402

Fax: +91 11 23234062, 232

E-Mail: info@bis.gov.in

Web: www.bis.org.in, www.manakonline.in

Date: 06/2017

Our Ref :CML 670005915

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

MA KRISGO INDUSTRIES, UNIT - II
 (A UNIT OF C.R.I.PUMPS PVT LTD)
 SF No.431&432, ALUR VILLAGE,
 KRISHNAGIRI,
 TAMIL NADU/635109

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.



 Bureau of Indian Standards

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Phone: +91 11 23230131, 23233375, 23239402

Fax: +91 11 23234062, 232

E-Mail: info@bis.gov.in

Web: www.bis.org.in, www.manakonline.in

Date: 06/2017

Our Ref :CML 670005916

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

MA KRISGO INDUSTRIES, UNIT - II
 (A UNIT OF C.R.I.PUMPS PVT LTD)
 SF No.431&432, Sumanapalli Road,
 Alur Village, Hosur Taluk,
 KRISHNAGIRI,
 TAMIL NADU/INDIA 635109

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.



 Bureau of Indian Standards

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Phone: +91 11 23230131, 23233375, 23239402

Fax: +91 11 23234062, 232

E-Mail: info@bis.gov.in

Web: www.bis.org.in, www.manakonline.in

Date: 20-06-2017

Our Ref :CML 6700059413

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

MA KRISGO INDUSTRIES (UNIT-II)
 (A UNIT OF C.R.I. PUMPS PVT LTD)
 SF NO.431&432, Sumanapalli Road
 Alur Village, Hosur Taluk,
 KRISHNAGIRI,
 TAMIL NADU/INDIA 635109

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.



 Bureau of Indian Standards

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Fax: +91 11 23234062, 232

E-Mail: info@bis.gov.in

Web: www.bis.org.in, www.manakonline.in

Date: 20-06-2017

Our Ref :CML 6700059514

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

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

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.



NSF/ANSI 372 IAPMO Plumbing Codes and Standards India Pvt. Ltd. NSF/ANSI 372

No.43, 4th Floor, PNR Tower, Serenitee Apartments, Near IISc Road junction, Bangalore, Karnataka 560 009

CERTIFICATE OF LISTING

Each of the listed gPVC Colume 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.

 
 Dr. K. Chandrasekhar Ravi Chandra
 Managing Director 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 signature of listed entity, or any material of non-compliance with applicable code and standards and/or other requirements, may be made. Any unauthorized alteration of this certificate will be grounds for revocation of this listing.

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Redefining
heights

6_{mtr} (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



C.R.I. PIPES
Quality in every inch



📞 TOLL FREE 1800 121 1243 🌐 www.crigroups.com 💬 chatbot : +91 9500401115

In view of continuous developments, the information / performance / descriptions / specifications / illustrations mentioned in this catalogue are subject to change without notice.