

SMART PLUMBING

FOR SMARTER WAYS OF LIFE

HERITAGE OF JINDAL GROUP

The Jindal Group is an Indian conglomerate company founded by Shri O.P Jindal, a first generation entrepreneur and a steel visionary, in 1969. The dynamic business organisation is diversified into infrastructure, high value metals, mineral and coal exploration. At the heart of the group strategy, lies a rich legacy of technological advancement, a commitment to sustainable development and the talent of 50,000 employee strength.

LEGACY OF ABSOLUTE INTEGRATION

JSL Lifestyle is India's largest integrated stainless solution provider proffering a range of products and services through its diversified verticals, JSLL Value Engineering (in OEM services), JSLL Mobility (public sector manufacturing projects specially Indian Railways), JSLL Infra (urban development projects), JSLL Plumbing (stainless plumbing solutions), Arc (masstige stainless kitchens and tableware brand), and Arttd'inox (a premium designer home fashion lifestyle brand extending kitchens and home-ware solutions).





An integrated plumbing solution provider in stainless steel with comprehensive pipes and fitting solutions in grade EN 316L and JIS 304 & 316L, guaranteeing quality products with easy installation.



JSLL Mobility is the tender-based manufacturing arm that caters to the mobility sector, especially Indian Railways and Delhi Metro with a wide variety of products like retention tanks, coaches, chassis etc.



It provides a wide variety of infrastructural products such as Railings, Facade, Claddings, BQS, Structures, Benches, Dustbins, Toilets, Sanitary Solutions etc. with a dynamic and versatile service outlook.



A recent addition in our home-lifestyle business, Arc is a revolutionary stainless steel kitchen brand positioned in a mass-prestige segment in the Indian retail landscape



Assisting a variety of companies in procuring stainless steel products and components across industries, it extends exhaustive capabilities and aggressive support in product development and delivery.



India's first exclusive home lifestyle brand in stainless steel positioned exclusively in the premium segment proffering a broad home-ware and home-space range for its patrons, comprising of Tableware, Home Décor, Bespoke Kitchens, Vanities and Wardrobes.

WE ARE DIVERSE

WHAT STAINLESS STEEL OFFERS



Seamless Connection
of Pipes To Fittings



Health and
Hygiene



Corrosion
Resistant



Leak-Proof



Light
Weight



Easy To
Install



Long
Life



No
Maintenance



Recyclable



Safe



Reduced deposits
and film formation



Wear
Resistant

DO EXISTING **PLUMBING MATERIALS** GIVE YOU **CLEAN, SAFE WATER?**

Corrosion. Seepage. Leakage. Health Hazards.

GALVANISED IRON

- Water Pipes & Fittings made of galvanised iron not recommended in piping systems used to convey potable water as per 2008 Uniform Plumbing Code – India
- Galvanised iron is also prone to rust and leakage

CPVC

- Potential health effect of residual VCM used in polymerization of CPVC
- Extended exposure to VCM causes cancer, liver & neurological effects

COPPER

- Reports of metallic taste in water
- Produce pin hole leaks in contact with acidic water
- Leach lead or copper in water supply is also harmful for health

ONLY **STAINLESS TRANSMITS PURE WATER**

Source - <https://www.dailyherald.com/article/20141114/entlife/141119476/>

Source - bit.ly/3mIXrm7

Corrosion, broken joints of pipes, frequent cracks due to temperature changes & water pressures, and loose water connectors are the reasons for water wastage across all households.

Source - <https://www.333help.com/blog/8-common-causes-household-water-leaks/>

DIFFERENCES BETWEEN CPVC MATERIAL AND STAINLESS STEEL IN POTABLE WATER

Features	Stainless Steel	CPVC
Installation Steps	3 steps (Cut - Fit - Press)	Exhaustive Process: Cut, Chamfer, Deburr, Clean, Mark insertion depth, Test dry fit, Apply primer, Apply solvent cement 2x, Push, Turn, Hold 20sec
Installation Time	Very less	<ul style="list-style-type: none"> High, with curing time up to 6h in normal enviroment
Safety Issue	None	<ul style="list-style-type: none"> Hygiene issue due to solvent Health, fire, explosion, safety issue
Pressure Test	Working pressure 16 bars & tested upto 25 bars	<ul style="list-style-type: none"> no pressure test possible
Pipe	One pipe for hot and cold water usage	Different
Fittings	<ul style="list-style-type: none"> Easy Assembly No issue after installed Corrosion resistant 	<ul style="list-style-type: none"> Not easy Micro cracks/ brittle at low temperature Stress corrosion issue
Weather Conditions issues	None - with proper insulation	Yes
International certifications for drinking water	Yes, proven track record	<ul style="list-style-type: none"> WHO suggests PVC pipe as source for lead in drinking water Solvent cement can contaminate water - health hazard
Durability	50-60 years	10-15 years

JINDAL PRESS CONNECTION TECHNOLOGY ADVANTAGES

- »» Done with 3 simple steps: Cut - Fit - Press
- »» It can help reducing the man hours with high speed and reliability
- »» Assurance of 100% Safety - No need of welding, hence no fire Hazards
- »» It creates connections within seconds
- »» Hygienic - No leftovers from soldering

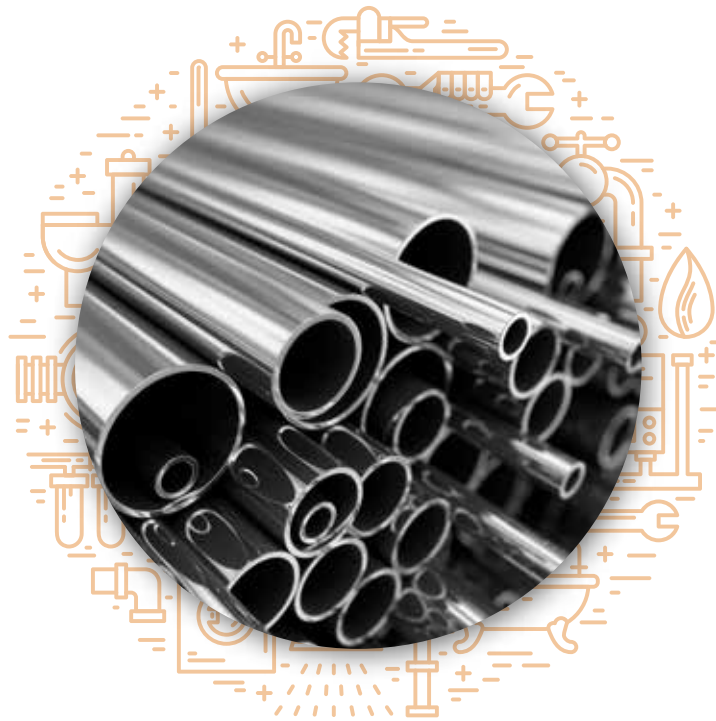
PRESS CONNECTION SYSTEMS

**Visible Test Results -
Proved Over A Million Times!**

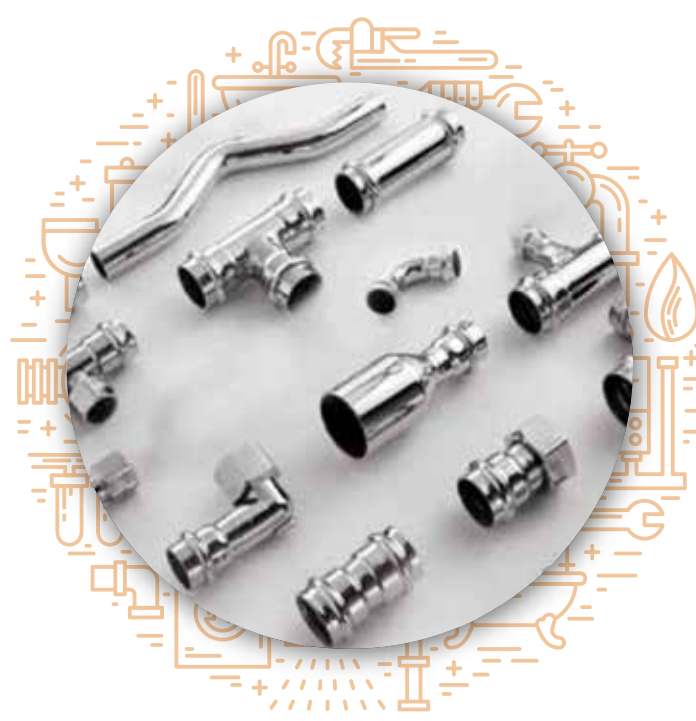
**UTMOST SAFETY
GUARANTEED**



OUR **EXCLUSIVE** PRODUCTS AND TOOLS



Pipes



Fittings



Press Tools



Cutting Tool

PIPE AND FITTING RANGE DESCRIPTION (IN MM)

Grades	OD	15.88	22.22	28.58	34	42.7	48.6	76	89.1	108
JIS 304	Thickness	0.8	1	1	1.2	1.2	1.2	2	2	2
JIS 316L	Thickness	0.8	1	1	1.2	1.2	1.2	2	2	2

Grades	NB	15	22	28	35	42	54	76.1	88.9	108
EN 316L	Thickness	1	1.2	1.2	1.5	1.5	1.5	2	2	2

Product Specifications

Product	Grade	Standard	Recommended For	Recommended Application
Pipes And Fittings	JIS 304 X5CrNi18-10 JIS 316L X2CrNiMo 17-12-2	JIS 3448 JIS 3448	200 ppm of chlorides	Potable water, drinking water, cold and hot water applications.
	EN 316L X2CrNiMo17-12-2	EN 10312	200-1000 ppm of chlorides	Potable water, drinking water and hot water applications. Especially effective for coastal region
EPDM o-ring Sealing Gasket		681-1	Min Temp -20 C° Max Temp 110 C°	Crimping type V-Press
Pressure	EN 316 L - Working pressure 16 bars & tested up to 25 bars JIS 304 & 316 L - Working pressure 12 bars & tested up to 20 bars			

EASE OF INSTALLATION

Time Taken in Stainless Steel Plumbing Installation is less than the time taken for Galvanised Iron, Copper, CPVC or UPVC Installations

INSTALLATION PROCESS



Tube is cut to the required length using the cutting tool.



Tube is pushed in the stainless steel press fittings until the tube stops.

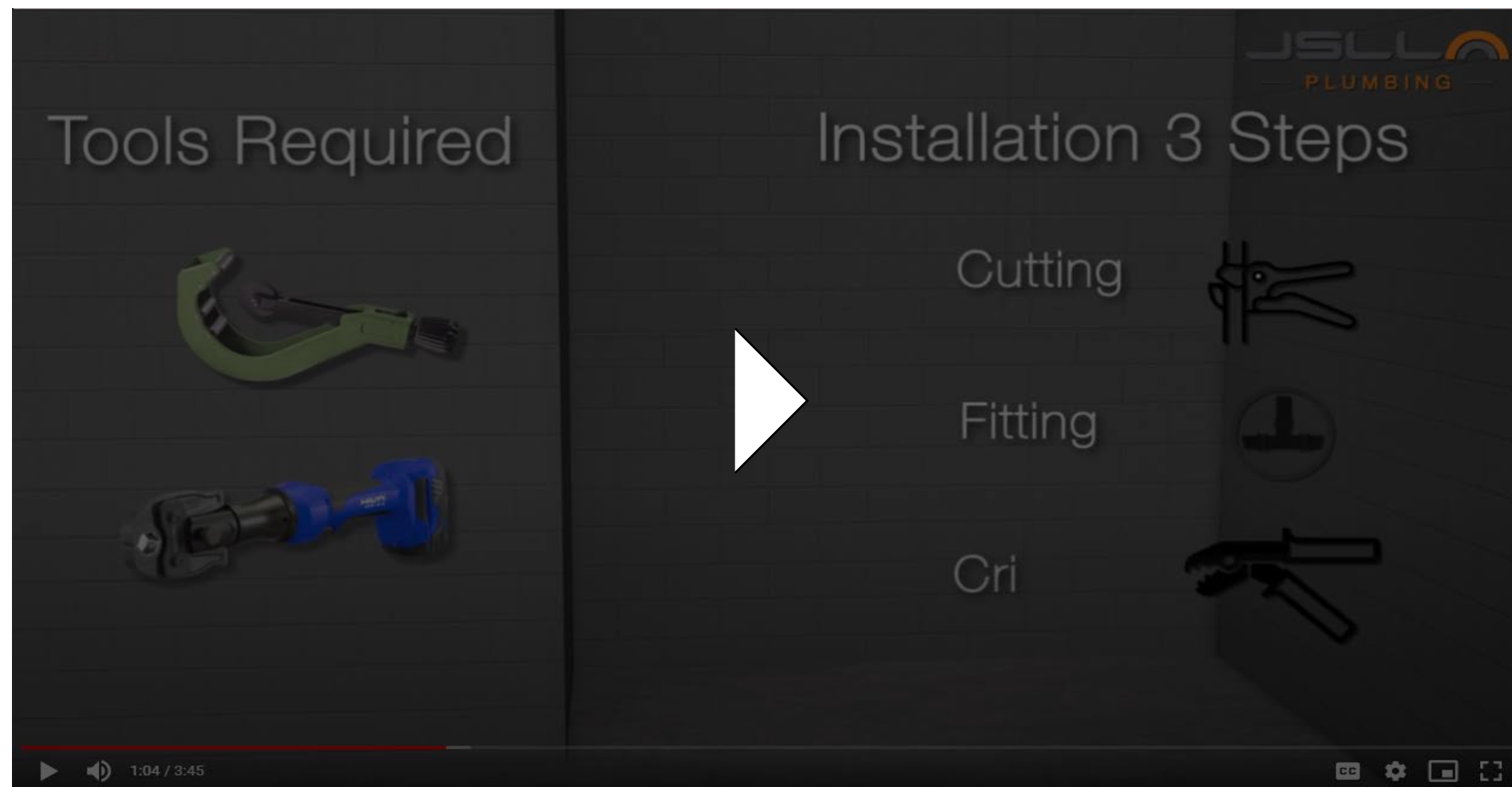


Jaws of the press tool are then fitted on the press-fitting where a single button operates the press tool and the joint is crimped.



The crimped joint is checked using the gauge.

EASE OF **INSTALLATION**



APPLICATION



FIT FOR DRINKING WATER

Clean | Safe | Uncontaminated



SUITABLE FOR FIRE PROTECTION

Suitable for firefighting & sprinkler systems with pressure up to PN 16



APT FOR HEATING/COOLING

With stands temprature from -20 C° to 110 C°



THE PRESS-FIT SYSTEM IS SAFE & HYGIENIC

Water transport for large civil works, systems for treated, softened, rain, distilled, osmosised, de-carbonated, de-mineralised and de-ionized water



SUITABLE FOR COMPRESSED AIR/GASES

Sustains maximum operating pressure from 16 to 25 bar

SOME OF OUR CLIENTS

LET'S CONNECT