

TUBES **Y**OU CAN **R**ELY ON...



**PARASMANI TUBES PVT. LTD.**

An ISO 9001-2015 Certified Company



PTP K-SERIES

# ABOUT US



## Our Story

Our story started when one man who had the vision of the future. When, Shri Chandulal M Vohera believed that the need of the future will be drastically different, and started this company with the strong mission to manufacture great quality pipes for our customers. That is when the brand “PARASMANI” which is so well known today for its quality - started.

## Manufacturing our dreams since 1989

What started in 1989 has continued its legacy. Today, Parasmani Tubes Pvt. Ltd. is known for pipes that promise and live up to its quality. These pipes are manufactured by global industry standard process and go through stringent quality tests that challenge the pipes manufactured by some of the best companies in the world.

At Parasmani, we are committed to manufacture copper tubes, which exceed our customer's expectations by its consistent quality and our timely delivery policy.

Our passion for manufacturing helps us continuously improve the product quality by implementing, maintaining & adhering to the best quality management system in the organization. We have total manufacturing facility with the latest automated / semi-automated machineries, extensive R & D facilities and fully equipped quality control department.

As a result of our hard work and success, we now operate all over India through our branches and stock points at various states helping us to serve our customers better and provide on time delivery of our products.

## Our Vision

We started out with a vision to be one of the best manufacturers of copper tubes become our customer's preferred supplier and create a highly transparent work place.

## Our Mission

At Parasmani, we are committed to deliver on our quality promises and fulfill our mission by providing great products to our customers through our low cost but high - quality tubes.

## Our Values

Our values provide us the right direction to accomplish our vision and mission. here, we work with values that put our customers in the center of everything we do. We dedicate ourselves to exceed the expectations of our customers and innovate our process and products.

These values help us continuously bring improvements and think of new ways to make our products better. In our little way, we want to make a difference in the world around us.



PTB K-SERIES

PTB K-SERIES

# INFRASTRUCTURE

Parasmani Tubes has a state of the art production facility in Valsad district of Gujarat spread across 20000 Sq.Ft. with a production capacity of 1500 Metric Tons driven by a dedicated & trained workforce exceeding 50 personnel ensuring high quality products and On Time Deliveries. The below infrastructural planning helps us build world class products.

## RE-DRAWING



## STRAIGHTENING



## MARKING



## FINISHED GOODS







# PROCESS FLOW CHART

## PROCESS FLOW & MANUFACTURING PROCESS



*PARASMANI TUBES PVT. LTD.*





# PLANT AND MACHINERY

## LIST OF PLANT AND MACHINERY

Sr. No.	Description & Specification of Machine	Make	Year of Installation	Accuracy & Finish Attainable	Size & Capacity	No. of Machines Installed
1	Draw Bench – 1	Steel Ward	2012	+/- 0.1 mm	40 MT, 50 Ft	1 No.
2	Draw Bench - 2 (Twin Heavy)	Steel Ward	2010	+/- 0.1 mm	10 MT, 100 Ft	1 No.
3	Draw Bench - 2 (Twin Light)	Steel Ward	2010	+/- 0.1 mm	10 MT, 65 Ft	1 No.
4	Rotary Swaging Machine (25 mm)	Gupta Engineering	2012	Not Applicable		1 No.
5	Rotary Swaging Machine (80 mm)	Gupta Engineering	2011	Not Applicable		1 No.
6	Straightening Machines ( 80 mm)	Gupta Engineering	2013	Straightness 1 mm / meter		1 No.
7	Cutting Saw / Hacksaw Machine	Apex Industries	2012	+/- 2 mm		
8	Water Pump Station / Bore well	Bhandari Bore well	2012	Not Applicable		1 No.
9	EOT Cranes	Safex Equipment Pvt. Ltd.	2016	Not Applicable		1 No.
10	63 KW Bright Annealing Furnace with 40" inner dia vertical Pots	Savita Engineering	2016	Not Applicable		1 No Furnace / 3 Nos Pots
11	Tool Room Machine (Lathe Machines)	Vivek Machine Tools	2011	Not Applicable	4 Ft, 9 Ft & 14 Ft	1 No.
12	Gas Fired Intermediate Annealing Furnace			Not Applicable		1 No.
13	Vaughn Cut To Length Machine with Pancake Coiler	National Machinery Exchange, INC	2009	Not Applicable		1 No.



Our production facility is well equipped with the latest machineries for large-scale Manufacturing and Testing Facilities that includes:



### Universal Testing Machine

We have Universal Testing Machine which is microprocessor based electro-mechanical machine with servo drive designed for testing and studying material Behavior. This machine confirms to IS, BS & ASTM standards.

### Hardness Testing Machine

Our Hardness Testing Machine is suitable for testing hardness of copper whether flat, round, or irregular shape. These testers are simple in design and easy to operate, yet sensitive & accurate. This machine strictly confirms to IS: 1586-2000, ASTM: E 18 for Rockwell Superficial Test and IS: 2281 -2005, ASTM: E 10 for Brinell test.



### Bright Annealing Furnace

These annealing furnaces are used for changing the hardness and strength properties of our metal by heating it at very high temperatures.

### Eddy Current Testing Machine

The on-line eddy current flaw testing system is installed in our production line, to test if there is any crack, air hole, slag inclusion etc. as per the testing standards GB/T 7735-2004, GB/T 11260-2008.





# Parasmani Tubes Pvt. Ltd.

Manufacturers of Airconditioning and Refrigeration Copper Tubes and Fittings

## LIST OF LABORATORY FACILITIES

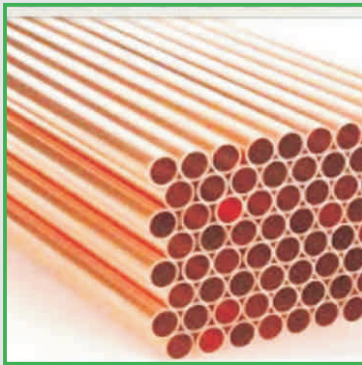
Sr. No.	Type of Facilities	Make	Sizes & Capacity
1	Eddy Current Testing Machine	Technofour	6mm to 159mm
2	Universal Testing Machine	Mectronics, Kolhapur	6mm to 159mm
3	Hardness Tester (Vickers)	Mectronics, Kolhapur	6mm to 159mm
4	Hardness Tester (Rockwell)	Mectronics, Kolhapur	6mm to 159mm
5	Metallurgical Microscope	Vardhman Works Pvt. Ltd.	-----
6	Hydro Tester		
7	Numatic Pressure Tester		

## CHEMICAL COMPOSITION AND MECHANICAL PROPERTIES

Standard	Copper Alloy no.	Chemical composition		Mechanical Properties			
		Cu%	P%	Temper	Tensile strength (Mpa)	Elongation (%)	Average Grain Size (mm)
JIS H3300	C1220	≥ 99.9	0.015-0.040	O60 O50	≥205 ≥245	≥40	>0.040 0.015-0.040
ASTM B280	C12200	≥ 99.9	0.015-0.040	O60 H58	≥205 ≥250	≥40	0.015-0.040



# OUR PRODUCT PORTFOLIO



## STRAIGHT COPPER TUBES :

We provide customers with straight copper tubes from 1/8" to 4 1/8" in 10 feet length and also as per their requirements which helps the customers to reduce the scrap at their end. We also provide copper tubes in hard, half hard, quarter hard, light annealed and soft annealed condition.



## PANCAKE COPPER COILS:

Pancake coils are pipes provided in 50 feet rolls. These pipes are soft which can be straightened and bended as per customer's requirement.



## COPPER FITTINGS:

Fitting are produced in size range from 1/4" to 4 1/8", in heavy wall thickness as required for HVAC industries.

# VRV & VRF Special Copper Tube Series



**PTP K-SERIES**

VRV & VRF Special Copper Tubes series

PTP K series ACR Copper Tubes Provides the strength, precision and cleanliness for the demanding conditions of HVAC and refrigeration application.

Tubes are manufactured to suit various specifications; prominent amongst these are the ASTM B68, ASTM B75, BS2871, EN 1057, ASTM B280 and the JIS H3300. Tubes are also manufactured to suit internal application specifications. We are proud to supply to wide range of refrigeration & air conditioning requirement in hard, half hard, quarter hard or soft annealed condition.

The internal bore cleanliness meets the requirement of the residue test as specified by the codes to give you a meticulously clean mirror-like inner surface & also to suit the new refrigeration gases like R 134 A, R-600 or R-410 & refrigeration lubricants like Ester Oil. The tube integrity is well defined by the fact that all tubes meet the standards of ASTM E243.

The sizes manufactured range from 1/8"OD to 4 1/8" OD & in thickness from 10 to 30 SWG Tubes which can be supplied in 50 feet or 15 meters coil form or in straight length of 10 feet or as per client requirements.

As per the quality control requirement we follow a strict chemical test report of every batch of raw material made out of cathode with 99.99% purity and not from scrap. Correct chemical composition of this raw material is the most critical characteristic that determines the quality of finished tubes.



*PTP K-Series Copper Tubes Made out of Copper Cathode & Red berry Copper*

# PTP K-SERIES

VRV & VRF Special Copper Tubes Series



## PARASMANI COPPER TUBE WEIGHT CHART

SPECIFICATION & SIZE FOR VRV/VRF AIR CONDITION AS PER DHP GRADE COPPER TUBES  
HALF HARD TEMPER 3.05 MTR/10 FEET STRAIGHT TUBE WEIGHT CHART

SR.NO	CODE	DISCRIPTION SIZE "PTP K-SERIES VRV/VRF SPECIAL COPPER TUBE" HALF HARD VRF COMPATIBLE COPPER TUBES	TEMPER	WEIGHT PER MTR (IN KGS)	WEIGHT PER FEET (IN KGS)
1	PTP	1/4" (6.35 mm) x 21 swg (0.8mm)	Half hard	0.127	0.039
2	PTP	3/8" (9.52 mm) x 21 swg (0.8mm)	Half hard	0.199	0.061
3	PTP	1/2" (12.7 mm) x 21 swg (0.8mm)	Half hard	0.272	0.083
4	PTP	5/8" (15.9 mm) x 19 swg (1.0mm)	Half hard	0.425	0.130
5	PTP	3/4" (19.05 mm) x 21 swg (0.8mm)	Half hard	0.417	0.127
6	PTP	3/4" (19.05 mm) x 19 swg (1.0mm)	Half hard	0.515	0.157
7	PTP	7/8" (22.2 mm) x 21 swg (0.8mm)	Half hard	0.490	0.149
8	PTP	7/8" (22.2 mm) x 19 swg (1.0mm)	Half hard	0.605	0.184
9	PTP	1" (25.4 mm) x 20 swg (0.9mm)	Half hard	0.612	0.187
10	PTP	1" (25.4 mm) x 19 swg (1.0mm)	Half hard	0.696	0.212
11	PTP	1 1/8" (28.6 mm) x 19 swg (1.0mm)	Half hard	0.787	0.240
12	PTP	1 1/4" (31.8 mm) x 18.5 swg (1.1mm)	Half hard	0.941	0.287
13	PTP	1 3/8" (34.9 mm) x 18 swg (1.2mm)	Half hard	1.155	0.352
14	PTP	1 1/2" (38.1 mm) x 17.5 swg (1.3mm)	Half hard	1.350	0.411
15	PTP	1 5/8" (41.3 mm) x 17 swg (1.43mm)	Half hard	1.594	0.486
16	PTP	1 3/4" (44.45 mm) x 16 swg (1.62mm)	Half hard	1.950	0.594
17	PTP	2 1/8" (54.0 mm) x 16 swg (1.62mm)	Half hard	2.400	0.731

SOFT TEMPER 15.24 MTR/ 50 FEET PANCAKE COIL TUBE WEIGHT CHART

SR.NO	CODE	DISCRIPTION SIZE "PTP K-SERIES VRV/VRF SPECIAL COPPER TUBE" SOFT COIL VRF COMPATIBLE COPPER TUBES	TEMPER	WEIGHT PER MTR (IN KGS)	PER COIL WEIGHT (IN KGS)
1	PTP	1/4" (6.35 mm) x 21 swg (0.8mm)	Soft	0.127	1.900
2	PTP	3/8" (9.52 mm) x 21 swg (0.8mm)	Soft	0.199	3.100
3	PTP	1/2" (12.7 mm) x 21 swg (0.8mm)	Soft	0.272	4.100
4	PTP	5/8" (15.9 mm) x 19 swg (1.0mm)	Soft	0.425	6.400
5	PTP	3/4" (19.05 mm) x 19 swg (1.0mm)	Soft	0.509	7.800
6	PTP	7/8" (22.2 mm) x 19 swg (1.0mm)	Soft	0.605	9.200



# Parasmani Tubes Pvt. Ltd.

Manufacturers of Airconditioning and Refrigeration Copper Tubes and Fittings

## MAXIMUM WORKING & BURSTING PRESSURE FOR PARASMANI COPPER PIPES

### HALF HARD - COPPER TUBE

Sr. No.	Size (mm)	Size (Inches)	Temper	Thick (mm)	Length feet	Weight per Feet	Weight per Mtr	Max working Pressure in Mpa	Bursting Pressure in Mpa
1	6.4	1/4"	1/2H	0.8	10	0.040	0.131	45.6	83.3
2	9.5	3/8"	1/2H	0.8	10	0.062	0.203	27.7	50.6
3	12.7	1/2"	1/2H	0.8	10	0.082	0.270	19.7	36.0
4	15.9	5/8"	1/2H	1.0	10	0.129	0.423	19.7	36.0
5	19.1	3/4"	1/2H	1.0	10	0.156	0.511	17.5	32.9
6	22.2	7/8"	1/2H	1.0	10	0.183	0.601	15.6	28.4
7	25.4	1"	1/2H	1.0	10	0.211	0.691	12.2	24.6
8	28.6	1 1/8"	1/2H	1.0	10	0.238	0.786	10.3	18.8
9	31.8	1 1/4"	1/2H	1.1	10	0.289	0.948	10.2	18.6
10	34.9	1 3/8"	1/2H	1.21	10	0.349	1.147	10.2	18.6
11	38.1	1 1/2"	1/2H	1.32	10	0.416	1.365	10.2	18.6
12	41.3	1 5/8"	1/2H	1.43	10	0.488	1.601	10.2	18.6

### VRV / VRF SOFT COIL FORM

Sr. No.	Size (mm)	Size (Inches)	Temper	Thick (mm)	Length feet	Weight per Feet	Inter - nal Radius	Max working Pressure in Mpa	Bursting Pressure in Mpa
1	6.4	1/4"	O (coil)	0.8	50	1.960	2.4	13.8	68.3
2	9.5	3/8"	O (coil)	0.8	50	3.100	3.95	8.4	41.5
3	12.7	1/2"	O (coil)	0.8	50	4.100	5.55	6.0	29.5
4	15.9	5/8"	O (coil)	1.0	50	6.460	6.95	5.9	29.5
5	19.1	3/4"	O (coil)	1.0	50	7.900	8.55	4.8	24.0

### NON VRV / NORMAL SOFT COIL FORM

Sr. No.	Size (mm)	Size (Inches)	Temper	Thick (mm)	Length feet	Weight per Feet	Inter - nal Radius	Max working Pressure in Mpa	Bursting Pressure in Mpa
1	6.4	1/4"	23 G	0.60	50	1.500	2.6	9.5	47.3
2	9.5	3/8"	23 G	0.60	50	2.500	4.15	6.0	29.6
3	12.7	1/2"	22 G	0.70	50	3.500	5.65	5.1	25.4
4	15.9	5/8"	22 G	0.70	50	4.500	7.25	4.0	19.8
5	19.1	3/4"	21 G	0.80	50	6.400	8.75	3.8	18.7

Note : 1 Mpa = 145.038 PSI



# Parasmani Tubes Pvt. Ltd.



Manufacturers of Airconditioning and Refrigeration Copper Tubes and Fittings

PTP K -SERIES		<b>QUALITY ASSURANCE PLAN (HALF HARD)</b>			QAP 01 ( 00 / 01.02.12 )	
Product: Copper Tubes						
Name of Customer		Date				
Alloy		DHP Copper, UNS No. C1220		Specification		JIS H3300 (2006)
Temper		T-1/2HARD DRAWN		P.O. No.		
Issuer		Sign				
Sizes		1) 6.35MM OD X 0.8MMTHK. X 10 FT 2) 9.52MM OD X 0.8MMTHK. X 10 FT				
Sizes		3)12.7MM OD X 0.8MMTHK. X 10 FT 4) 15.88MM OD X 1.0MMTHK. X 10 FT				
Sizes		5)19.05MM OD X 1.0MMTHK. X 10 FT 6) 22.22MM OD x 1.0mm Thk X 10FT				
Sizes		7) 25.4MM OD x 1.0mm Thk X 10FT 8) 28.6MM OD x 1.0mm Thk X 10FT				
Sizes		9) 31.8MM OD x 1.1mm Thk X 10FT 10)34.9MM OD x 1.21mm Thk X 10FT				
Sizes		11) 38.1MM OD x 1.32mm Thk X 10FT12) 43.3MM OD x 1.43mm Thk X 10FT				
Sr. No.	Process	Characteristics to be Checked	Measuring Instrument	Quantum to be checked	Format of Record	Scope of TPIA
1	(RAW MATERIAL Shell Inspection	Chemical Comp.	Test Report	Random Sampling	Log Book	
		Dimensions	Micro Meter	Random Sampling	Log Book	
		Appearance	Visual	100%	Log Book	
2	Drawing	Dimensions	Micro meter	Random Sampling	Log Book	
		Surface	Visual	100%	-	
3	Eddy Current Test(E-243)	Surface & Internal Defects	Eddy Current Testing Machine	100%	Log Book	
4	Hydro test	Pressure Test & Leakage	Hydro test Machine	100%	Log Book	
5	Dimensional Check	Outer Diameter, Wall Thickness, Straightness & Length	Micrometer & Measuring Tape	100%	Log Book	
				100%	Log Book	
		Cleaning	Visual	100%		
6	Visual Inspection	Surface OA & ID	Visual	100%	Log Book	
7	Mechanical Properties Test	Tensile Test Yield Strength	UTM	Random Sampling	Log Book	
		Hardness	Hardness Tester	Random Sampling	Log Book	
8	Packing	Marking & Packing	As per customer Requirement	100%	Packing List	

Legends : RW - Review, W – Witness



# Parasmani Tubes Pvt. Ltd.

Manufacturers of Airconditioning and Refrigeration Copper Tubes and Fittings

PTP K - SERIES		QUALITY ASSURANCE PLAN (SOFT)			QAP 01 ( 00 / 01.02.12 )	
Product : Copper Tubes						
Name of Customer			Date			
Alloy		DHP Copper, UNS No. C1220	Specification		JIS H3300 (2006)	
Temper		Annealed (O60) Condition ( Bright)	P.O. No.			
Issuer			Sign			
Size		6.35MM OD X 0.8MMTHK. X 50 FT Coil				
Size		9.52MM OD X 0.8MMTHK. X 50 FT Coil				
Size		12.7MM OD X 0.8MMTHK. X 50 FT Coil				
Size		15.88MM OD X 1.0MMTHK. X 50 FT Coil				
Size		19.05MM OD X 1.0MMTHK. X 50 FT Coil				
Sr. No.	Process	Characteristics to be Checked	Measuring Instrument	Quantum to be checked	Format of Record	Scope of TPIA
1	(RAW MATERIALS) Shell Inspection	Chemical Comp.	Test Report	Random Sampling	Log Book	
		Dimensions	Micro Meter	Random Sampling	Log Book	
		Appearance	Visual	100%	Log Book	
2	Drawing	Dimensions	Micro meter	Random Sampling	Log Book	
		Surface	Visual	100%	-	
3	Eddy Current Test(E-243)	Surface & Internal Defects	Eddy Current Testing Machine	100%	Log Book	
4	Coiling	Length	Measuring Tape	100%	Log Book	
5	Pre-Inspection	Dimension & Length	Micrometer	100%	Log Book	
			Measuring Tape	100%	Log Book	
		Surface	Visual	100%	Log Book	
6	Annealing	Temperature	Thermo Couple	Lot Wise	Log Book	
		Speed	Speed Controller	Lot Wise	Log Book	
7	Dimensional Check	Outer Diameter, Wall Thickness, Straightness & Length	Micrometer & Measuring Tape	100%	Log Book	
				100%	Log Book	
8	Visual Inspection	Surface	Visual	100%	Log Book	
9	Chemical Analysis of Final Product	Chemical Comp.	Spectro Analyzer	Random Sampling	Log Book	
10	Mechanical Properties Test	Microscopic examination at 75X	Micro Scope	Random Sampling	Log Book	
		Expansion Test	UTM	Random Sampling	Log Book	
		Tensile Test Yield Strength	UTM	Random Sampling	Log Book	
		Hardness	Hardness Tester	Random Sampling	Log Book	
11	Packing	Marking & Packing	As per customer Requirement	100%	Packing List	

Legends : RW - Review, W – Witness

# Parasmani Tubes Pvt. Ltd.



Manufacturers of Airconditioning and Refrigeration Copper Tubes and Fittings

## MILL TEST CERTIFICATE

Customer :		T.C No .	12532	Date				
		Inv .No		Date				
		P.O No						
		P.O Date						
Material :	Copper Tube (Seamless) PTP K –SERIES		Size :	5/8" OD X 1.0mmThk. X 10FT				
Specification :	JIS -H3300-C-1220T-1/2Hard		Qty :					
Chemical Report :								
Elem %	Cu	P	Pb	Sn	As	Fe	Zn	
Specified	99.90 Min	0.015- 0.040	NIL	NIL	NIL	NIL	NIL	
Observed	99.921	0.028	NIL	NIL	NIL	NIL	NIL	
Observed	99.919	0.031	NIL	NIL	NIL	NIL	NIL	
Observed	99.922	0.028	NIL	NIL	NIL	NIL	NIL	
Dimensional Report:								
	OD		ID		W.T		LENGTH	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
REQUIRED	15.80mm	15.96mm	-	-	0.85mm	1.15mm	15240mm	15300mm
OBSERVED	15.85mm	15.88mm	-	-	0.97mm	1.01mm	OK	-
<u>Mechanical Properties / Other tests</u>								
Parameter					Specified		Observed	
U.T.S. N/mm <sup>2</sup>					245 to 325		289	#
Y.S.at 0.5 % EI. N/mm <sup>2</sup>					N.A.		----	----
% Elong at 5.56* sq. Rt .A					N.A.		----	----
Hardness Rockwall 30T					30 to 60		52	51
Flaring Test ( 60* pin )					N.A.		----	----
Flattening Test					N.A.		----	----
Eddy Current test as per ASTM -E243 (Drill hole 0.6mm)					100% Reqd.		100% Satisfactory	
Grain Size 75x					N.A.		----	----
For PARASMANI TUBES PVT. LTD.								
Q.C .Incharge								

# Parasmani Tubes Pvt. Ltd.



Manufacturers of Airconditioning and Refrigeration Copper Tubes and Fittings

## MILL TEST CERTIFICATE

Customer :					T.C No .	12532	Date	
					Inv .No		Date	
					P.O No			
					P.O Date			
Material :	Copper Tube (Seamless) PTP K - SERIES				Size :	5/8" OD X 1.0mmThk. X 50 FT		
Specification :	JIS -H3300-C-1220T- O Annealed				Qty :			
<u>Chemical Report :</u>								
Elem %	Cu	Sn	Pb	P	As	Fe	Zn	
Specified	99.90 Min	NIL	NIL	0.015- 0.040	NIL	NIL	NIL	
Observed	99.921	NIL	NIL	0.028	NIL	NIL	NIL	
Observed	99.919	NIL	NIL	0.031	NIL	NIL	NIL	
Observed	99.922	NIL	NIL	0.028	NIL	NIL	NIL	
<u>Dimensional Report :</u>								
	OD		ID		W.T		LENGTH	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
REQUIR ED	15.80mm	15.96mm	-	-	0.85mm	1.15mm	15240mm	15300mm
OBSERVED	15.85mm	15.88mm	-	-	0.97mm	1.01mm	OK	-
<u>Mechanical Properties / Other tests</u>								
Parameter					Specified		Observed	
U.T.S. N/mm <sup>2</sup>					205 Min		239	243
Y.S.at 0.5 % El. N/mm <sup>2</sup>					----		----	----
% Elong at 5.56* sq . Rt .A					40 Min		47	48
Hardness Rockwall 15T					60 Max		47	49
Flaring Test ( 60* pin )					40% Required		Passes	Passes
Flattening Test					3T Required		Passes	Passes
Eddy Current test as per ASTM -E243 (Drill hole 0.6mm)					100% Reqd.		100% Satisfactory	
Grain Size 75x					0.040 Max		0.035	
<p>For PARASMANI TUBES PVT. LTD. Q.C .Incharge</p>								



# TEST CERTIFICATE



**TCR ENGINEERING SERVICES PVT. LTD.**

**TRUST - COMPETENCE - RELIABILITY**

Chairman - Emeritus  
VIRENDRA K. BAFNA  
B. E. M. Eng. (Canada)  
M.S.I.M. (U.S.A.) M. A. S. T. M.

TCR / QF 5101

Regd : Office & Laboratory  
35, Pragati Industrial Estate,  
N.M. Joshi Marg, Mumbai - 400 011.  
Tel.: 23097921, 23097923,  
23092347, 23091938  
Fax: 91-22-23080197  
Website : www.tcreng.com

Laboratory:  
Plot No. EL - 182, M.I.D.C., TTC,  
Electronic Zone, Mahape,  
Navi Mumbai - 400 710.  
Ph.: 022-67380900 / 9022137295  
Fax: 2761 2044  
Email : sales@tcreng.com



Certificate No. NABL-T-367.  
NABL-T-368 & NABL-T-3304  
NABL ISO 17025  
ACCREDITED LABORATORY

## TEST CERTIFICATE

TEST CERTIFICATE No:	BG/7191	Dated : 07.05.2016	Page No. 01 of 01
ISSUED TO:	PARASMANI TUBES PVT. LTD.. Mumbai - 400 004.		
TEST DATE:	07.05.2016		
TEST LOCATION:	TCR Engg. Services Pvt. Ltd., Mahape, Navi Mumbai.		
PARTY's REFERENCE:	Lt. Dt. 01.05.2016		
TEST METHOD :	With Reference to IEC - 62321/Ed 1.0/2008-12		
TEST INSTRUMENT:	PORTABLE XRF SPECTROMETER, MODEL INNOV - X Mfg By INNOV-X SYSTEMS EUROPE B V		
TEST PURPOSE:	TO SCREEN FOR R.O.H.S. DIRECTIVE 2011/65/EU REQUIREMENTS		

requirement	Hg	Br	Pb	Cr	Cd
Polymer Materials	Ps(700-30)<X<(1300+3 0) ≥F	Ps(300-30)<X	Ps(700-30)<X<(1300+3 0) ≥F	Ps(700-30)<X	Ps(70-30)<(130+3 0) ≥F
Metallic Materials	Ps(700-30)<X<(1300+3 0) ≥F	---	Ps(700-30)<X<(1300+3 0) ≥F	Ps(700-30)<X	Ps(70-30)<(130+3 0) ≥F
Electronics	Ps(500-30)<X<(1500+3 0) ≥F	Ps(250-30)<X	Ps(500-30)<X<(1500+3 0) ≥F	Ps(500-30)<X	LOD< X <(250+3 0) ≥F

## TEST FINDINGS

Specified Elements		Hg	Br	Ph	CrVI	Cd	REMARK
Item Description	← TEST REQUIREMENTS ----- Mg/Kg - (PPM) -----→						
	Max 1000	Max 1000	Max 1000	Max 1000	Max 100		
1	Copper Tube 15.88mm x 0.8mm Thk x 260mm Long	ND	ND	ND	ND	ND	Satisfactory

Remark: All Materials mentioned above are ROHS compliance in accordance with ROHS directive 2011/65/EU & It's subsequent amendments directives.

P = Pass F = Fail INC. = Inconclusive ND = Not Detected

Pm/-



For TCR ENGINEERING SERVICES PVT. LTD.

Authorized Signatory

A. P. INAMDAR (MGR. INT)

- The results relate only to the sample tested.
- Test Certificate shall not be re-produced except in full without the written approval of laboratory.
- While "TCR" has made their best endeavors to provide accurate and reliable information, "TCR" is not responsible for any financial liability due to any act of omission or error made.
- NABL Cert No. T - 0367 - Chemical Testing, T - 0368 - Mechanical Testing, T-3304 - Non Destructive Testing.

Chairman - Emeritus  
VIRENDRA K. BAFNA  
B. E. M. Eng. (Canada)  
M.S.I.M. (U.S.A.) M. A. S. T. M.

TCR / QF 5101

Regd. Office & Laboratory  
35, Pragati Industrial Estate,  
N.M. Joshi Marg, Mumbai - 400 011.  
Tel.: 23097921, 23097923,  
23092347, 23091938  
Fax: 91-22-23080197  
Website: www.tcreng.com

ENGINEERING MATERIAL TESTING, CERTIFICATION, INSPECTION,  
CONSULTING, SURVEYING, NDT SERVICES, HEAT TREATMENT,  
PHYSICAL, CHEMICAL & METALLURGICAL TESTING.  
APPROVED BY GOVT. OF INDIA - DEPT. OF SCIENCE & TECHNOLOGY  
FOR CHEMICAL and MECHANICAL TESTING

Laboratory:  
Plot No. EL - 182, M.I.D.C., TTC,  
Electronic Zone, Mahape,  
Navi Mumbai - 400 710.  
Ph.: 022-67380900 / 9022137295  
Fax: 2761 2044  
Email: sales@tcreng.com



Certificate No. NABL-T-367,  
NABL-T-368 & NABL-T-3904  
NABL ISO 17025  
ACCREDITED LABORATORY

**TEST CERTIFICATE**

Page 1 of 1

T.C. No. BG7192

Date: 10-05-2016

Issued To. **PARASMANI TUBES PVT.LTD**  
2A,D.S Kapole Nivas Khatwadi 4th Lane Mumbai-400 004

Party Ref. : Nil Dt:01-05-2016  
Nature of Sample : Copper Tube  
Specification : ---  
Sample Drawn By: Party

Condition of Sample : Cut Length  
Sample Received on : 06-05-2016  
Date of Completion : 10-05-2016

Test : Salt Spray  
Size : 9.52 mm x 0.8 mm  
Thk x 260 mm Long

Result	Requirement
<b>SALT SPRAY TEST : Test Method : ASTM B111-2011</b>	

Test Solution	5% Nacl
Test Temp. °C	35°
Volume of Salt Solution Collected	24ml(in 18 hrs)
PH of the Solution	6.80
Specific Gravity (Solution Concentration)	1.030
Tested exposure Time (Hrs)	24
Observation Interval (Hrs)	24
Test started on	07/05/16 at 12.00 pm
Test completed on	08/05/16 at 12.00 pm
Observation :	No corrosion Observed After 24hrs.

\*\*\*\*\*END OF REPORT\*\*\*\*\*

ak/-



Checked By

h

Authorised Signatory

**S. S. SHANBHAG (T.M.)**

- 1) The results relate only to the sample tested.
- 2) Test Certificate shall not be re-produced except in full without the written approval of laboratory.
- 3) While 'TCR' has made their best endeavors to provide accurate and reliable information, 'TCR' is not responsible for any financial liability due to any act of omission or error made.
- 4) NABL Cert No. T - 0367 - Chemical Testing, T - 0368 - Mechanical Testing, T-3304 - Non Destructive Testing.

ISO 9001:2015



Scan this QR code to verify the validity of this certificate

## Certificate of Registration

This is to certify that the Quality Management System of  
**PARASMANI TUBES PVT. LTD.**

5/2, GIDC, PHASE 1, UMBERGAON, VALSAD, GUJARAT-396171, INDIA

has been independently assessed by PQC and found to comply with the requirements of

**(Quality Management System)  
ISO 9001:2015**

For the following scope:

**MANUFACTURING AND SUPPLIERS OF COPPER TUBES,  
FITTINGS AND INSULATION MATERIALS**

### Certification Calendar:

Client Id: 10290

Certificate No: INQ/GUJ-11786/0822

Initial Registered Date: 08.08.2022

Issuance Date: 08.08.2022

Date of Expiry: 07.08.2025

1<sup>st</sup> Surv. Due: 07.08.2023

2<sup>nd</sup> Surv. Due: 07.08.2024



Authorized Signatory

### PARAMOUNT QUALITY CERTIFICATIONS

27, Old Gloucester Street, London, WC1N 3AX, United Kingdom. Email: info@pqc.in

Validity of this certificate is subject to successful completion of surveillance audit on or before of due date.

(In case surveillance audit is not allowed to be conducted, this certificate shall be suspended/withdrawal.)

Certification Verification: Please check this validity of the certificate at: <https://pqc.in/certified-clients/> or [www.pqc.in](http://www.pqc.in) at Certified Client

This Certificate remains the property of PQC & shall be returned immediately upon request.



# Certificate of Registration

This is to Certify that  
Quality Management System of

**M/S. PARASMANI TUBES PVT. LTD.**

2A, D.S. KAPOLE NIWAS BUILDING, 4TH KHETWADI LANE,  
MUMBAI - 400004, MAHARASHTRA, INDIA.

has been assessed and found to conform to the requirements of  
**ISO 9001:2008**  
for the following scope :

MANUFACTURING AND SUPPLIERS OF AIRCONDITIONING COPPER  
TUBES, FITTINGS AND INSULATION MATERIALS.

Certification No	1015QDL97	
Initial Registration Date	: 26/12/2015	Issuance Date : 26/12/2015
Date of Expiry*	: 14/09/2018	
1st Surve. Due	: 26/11/2016	2nd Surve. Due : 26/11/2017

Note : Expiry Date shall be Extended to 25/12/2018 After Successful Transition of ISO 9001:2015

  
**Director**



M457004QIN



[www.jas-anz.org/register](http://www.jas-anz.org/register)

**Absolute Quality Certification Pvt. Ltd.**

Accredited By: Joint Accreditation System of Australia & New Zealand (JAS-ANZ)

401, Ashok Bhawan, 93, Nehru Place, New Delhi - 110 019, | +91. 11. 4105 1139 | e-mail : [info@absolutequalitycertification.com](mailto:info@absolutequalitycertification.com).

\*Validity of the Certificate is subject to successful completion of surveillance audit on or before of due date. In case surveillance audit is not allowed to be conducted, this certificate shall be suspended/withdrawn.

**Certificate Verification:** Please Re-check the validity of certificate at <http://www.absolutequalitycertification.com/activeclients.aspx> or [www.absolutequalitycertification.com](http://www.absolutequalitycertification.com) at Active Clients.

Certificate is the property of Absolute Quality Certification Pvt. Ltd. and shall be returned immediately when demanded.



# Tech Tree

Sep 2022 Edition

*Tip of the day*



## Addition of New Copper Tube make in **LG Approved** List

### Approved Makes –

Rajco Metal Industries Pvt Limited

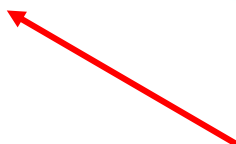
Mehta Tubes Limited

Mandev Tubes Private Limited

Uniflow Copper Tubes Limited

Mercure Metals Pvt Ltd (Indigo)

**Parasmani Tubes Private Limited** **NEW**





# Panasonic

**Panasonic India Pvt. Ltd.**

12th Floor, Ambience Tower, Ambience Island,  
NH-8, Gurgaon, Haryana-122002, India.  
Tel.: +91-124-4751300  
Fax: +91-124-4751333

## Vendor Approval Certificate

This is to certify that **PTP K- SERIES (PARASMANI)** Copper Tubes are approved for our all applications.

We hereby confirm that the materials are as per the specifications and standards. They provide high quality products with time delivery since they are widely spread all over India through their branches in various states.

We assure that this is an approved make and we recommend to use it in our current project and all our future upcoming projects.

Regards,

For



---

Registered Office: 6th Floor, "SPIC BUILDING" Annexa, No. 88, Mount Road, Guindy, Chennai - 600 032.  
Website: [www.panasonic.co.in](http://www.panasonic.co.in) Email: [contact.pi@in.panasonic.com](mailto:contact.pi@in.panasonic.com) CIN: U51395TN2006PTC060554



### Vendor Approval Certificate

This is to certify that PTP K- SERIES (PARASMANI) Copper Tubes are approved for our all applications.

The conformance to the quality level is as per our standards. They are big and their presence is there all over India, They are also approved by many consultants.

This is an approved make from now on and we recommend to use it in all our future upcoming as well as running projects as per Consultants BOQ.



CC to all Branches

## ACE GLOBAL AIRCON SERVICES LTD.

Authorised Sales & Service Dealers of Carrier Airconditioning & Refrigeration Ltd.

4B, - 41/42, 4th Floor, Paragon Plaza, Phoenix Market City, L.B.S. Marg, Kurla (W), Mumbai - 400070  
Tel : 022 - 6180 2094 to 99 | Email : sales@aceglobal.co.in | Web : www.aceglobal.co.in



Date : 15th Jan, 2016

### SUPPLIER PERFORMANCE CERTIFICATE

To,  
M/s. Parasmani Tubes Pvt. Ltd.  
2A, D. S. Kapol Niwas,  
Khetwadi 4<sup>th</sup> Lane,  
Mumbai.


**Kind Attn.:** Mr. Piyush C Vohera

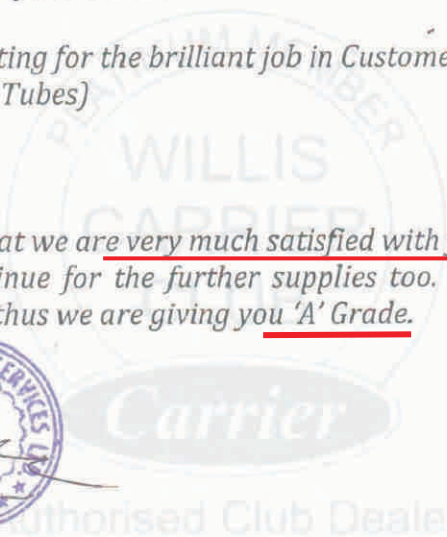
**Sub:** Supplier Rating for the brilliant job in Customer service  
(Parasmani Tubes)

Dear Sir,

This is to inform you that we are very much satisfied with your customer services and want you to continue for the further supplies too. We have no marks in updating your service, thus we are giving you 'A' Grade.

Regards,

  
Mr. Ajay Ubale  
Managing Director



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Leading Innovation >>>

**Carrier**  
turn to the experts

**TOTALINE**

**Hyderabad :** Bldg No 96/1, K.P.H.B.Colony, 4th Phase, Kukatpaly, Hyderabad - 500 072 | Cell : +91 81218 87286, +91 86887 89640

**Panvel :** Shop No 3, Sai Darshan Bldg, Near New Pranth Office, Old Thane Road, Old Panvel - 410 206 | Tel : 022 - 2746 8735



DAIKIN

Dealers

**HTL AIRCON PVT. LTD.**  
Raising the Standards  
www.htlaircon.com  
An ISO 9001:2008 and CRISIL SE-2B Rated Company



Date : 11/01/2016

**TO WHOMSOEVER IT MAY CONCERN**

This is to certify that M/s. Parasmani Tubes Pvt. Ltd. have supplied to our company, PTP K-Series Copper Tubes and Insulation Materials, meeting the requirements of Standard Quality and Timely Delivery.

We have been using these products in our projects since last few years and found their performance satisfactory.

(Signature and Stamp)  
(Name & Designation)



MUMBAI : 38, Nand Ghanshyam Industrial Estate, Next to Sun Pharma Behind Paper Box, Off. Mahakali Caves Road, Andheri (E), Mumbai - 400093. Tel.: 4217 4700 (30 Line) Fax : 42174748/49  
NAVI MUMBAI : 28, Kukreja Plaza, Sector 11, CBD-Belapur, Navi Mumbai - 400 614. Tel.: 4102 0333 (Board) Fax : 42170300 Email : sales@htlaircon.com  
PUNE : 204 Yash Shree Bldg. B. T. Kawade Road, Opp. Bharat Petrol Pump, Ghorepadi, Pune - 411 001. Tel.: 020-26720230 / 31 Email : info.pune@htlaircon.com  
DELHI : Plot No. 142 Pratap Nagar Opp Hari Nagar Bus Depot, New Delhi - 110064. Tel : 011 - 2549 5478



SAFE AIR  
ENGINEERS PVT. LTD.

"Safe air House"  
2nd Floor Plot No. 118/119,  
Ramtekdi Industrial Area,  
Hadapsar, Pune - 411 018  
Tel. 020 - 26510906  
Telefax : 020 - 26310505  
mails@safearengineers.in

Date :- 15/12/2015

To,  
M/s. Parasmani Tubes Pvt. Ltd.  
2A, D. S. Kopol Niwas,  
Khetwadi 4<sup>th</sup> Lane,  
Mumbai.

Kind Attn. Mr. Piyush Vohera / Mr. Savan Vohera

Dear Sir,  
We are pleased to inform your rating for Q2 14-15 as under:

Sr. No.	Rating Field	Mark Alloted	Mark Obtained
1.	Receipt Rating	20	20
2.	Line Rating	20	20
3.	Field Rating	20	20
4.	Price Rating	10	7
5.	Documentation Rating	10	9
6.	Response Rating	10	8
7.	Delivery Rating	10	8
8.	Total Rating	100	92
9.	Rating Class	A / B / C	A

Looking forward for your enhanced co-operation and improved supplier rating in future.  
Please let us know if any further information and help is needed from us.

Regards,

  
(Signature and Stamp)  
(Name & Designation)

Authorised Dealer:

\* Air Conditioning Division



\* Total Security Solutions



BLUE STAR

Authorised Dealer

AIRCONDITIONING  
SYSTEMS



**OZONE AIRCONDITIONING & CONSULTANCY**

01<sup>st</sup> December, 2015

**PERFORMANCE CERTIFICATE**

This certificate is being awarded to M/s. Parasmani Tubes Pvt. Ltd. on recognition of their excellence, timely manufacturing, supply and services of Copper and Insulation materials to our various projects at various sites.

They have supplied the material as per specification and standards after due tests carried out at their laboratory in house and outside.

They are very punctual and co-operative. We wish them all the success in future.

O<sub>3</sub> Ozone Airconditioning & Consultancy

  
Partner

2nd Floor, Chandrama Society, Near Aparna Hotel, Talaopali, Naupada, Thane (W) 400 602  
Tel.: 022-2539 0118 / 2542 8309 • Fax : 022-2539 0117 • Website : [www.ozonehvac.com](http://www.ozonehvac.com)  
E-mail : [ozoneairconditioning@gmail.com](mailto:ozoneairconditioning@gmail.com) / [service@ozonehvac.com](mailto:service@ozonehvac.com) / [accounts@ozonehvac.com](mailto:accounts@ozonehvac.com)

Tuesday, November 24, 2015

### Performance Certificate

This is to certify that the performance of M/s. **Parasmani Tubes**, situated at **2A, D.S. Kapol Niwas, Sanghavi Sadan, 4<sup>th</sup> Khetwadi, Mumbai – 400004**, who are continuously supplying us the products of PTP K-Series Copper Tubes, is generally satisfactory on meeting our expectations of quality, cost and delivery.

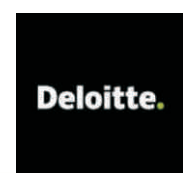
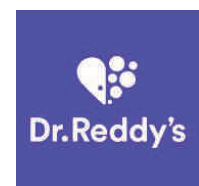
This certificate is issued on the base of records available in our office till the date of order.



(Signature and Stamp)  
(Name & Designation)



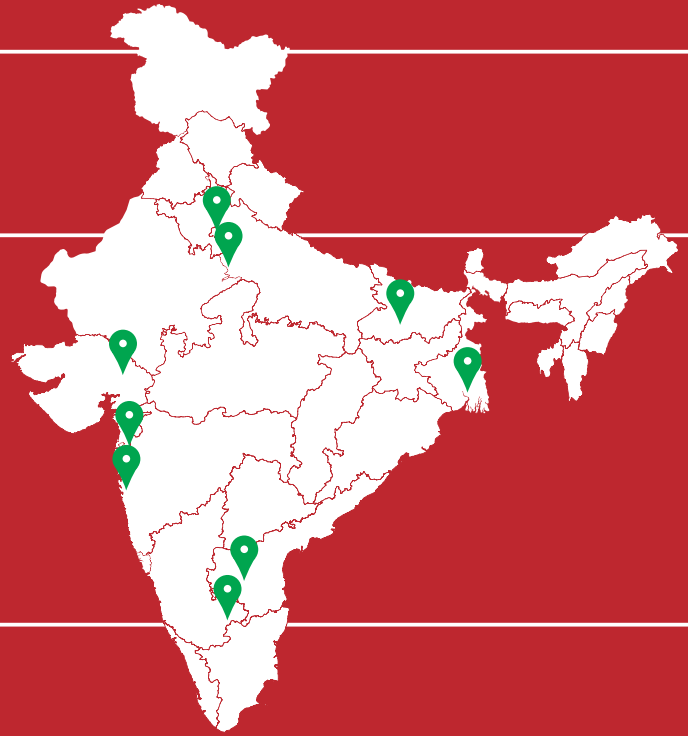
Some of the renowned sites where our products are  
successfully running with satisfaction:



and many more..

## Our Extended Arms

- Mumbai
- Delhi
- Bengaluru
- Noida
- Patna
- Umbergaon
- Ahmedabad
- Hyderabad
- Kolkata



## Our Clients :

**Panasonic**



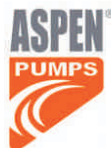
**Reliance**  
Industries Limited



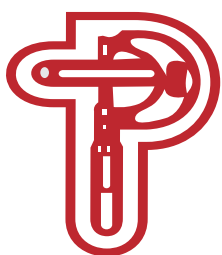
**HITACHI**  
Inspire the Next

The stories that our clients tell is the action we do. For us, our clients first – always.

## Authorised Dealers of :



## Contact Us



### PARASMANI TUBES PVT. LTD.

26, Blue Rose Industrial Estate, Data Pada, Western Express Highway, Borivali (East), Mumbai - 400 066.

Tel: 022 – 28702795, +91 9820753181

Email: [piyush@parasmanitubes.com](mailto:piyush@parasmanitubes.com)

Website: [www.parasmanitubes.com](http://www.parasmanitubes.com)

