YASH
A House of Tubes

**ASTM • ASME • ISO STANDARDS**

# PRODUCT CATALOGUE

## 2026 EDITION

*Precision Tubes & Fittings*









ABOUT US

# WHO WE ARE

## Engineered Tubes. Trusted Standards.

Yash Tubes & Fittings Co. is a Mohali-based distributor and stockist specializing in precision tubing and fitting solutions for instrumentation, process, pneumatic, heat-transfer, and refrigeration applications. We supply high-quality products manufactured in accordance with internationally recognized ASTM/ASME and ISO standards.

We maintain ready stock of a wide range of tubing and fittings to support fast project execution and reduced lead times. Custom sizes and application-specific solutions are available to meet diverse industrial requirements.

# INSTRUMENTATION TUBES

*High-precision tubing for critical measurement and control systems*

Instrumentation tubes are precision-manufactured stainless-steel tubes used in high-accuracy measurement, sensing, and control applications in Pharmaceuticals, Oi & Gas, petrochemical, power generation, and process industries. Tight dimensional tolerances and superior surface finish ensure leak-free connections at impulse and sampling lines.


| Parameter | Range / Values |
|---|---|
| Outer Diameter (OD) | 1/8" (3.175 mm) to 1" (25.4 mm) – Fractional; 6 mm to 25 mm – Metric |
| Wall Thickness (WT) | 0.5 mm to 3.0 mm (standard gauges) |
| Length | 6 m random or fixed lengths; cut-to-length on request |
| Tolerance | OD: ±0.05 mm; WT: ±10% as per ASTM A269 |

| Manufacturing Standards | Scope / Specification |
|---|---|
| ASTM A269, ASTM A213 | Seamless & welded SS tubes for instrumentation, hydraulic and control line applications. |

# ELECTROPOLISHED TUBES

*Mirror-finish tubing for the cleanest, purest process environments*

Electropolished tubes undergo an electrochemical surface finishing process that removes the outermost layer of steel, eliminating micro-burrs, surface defects, and free iron. The result is an ultra-smooth, highly reflective inner surface with significantly enhanced corrosion resistance.


| Type | Description |
|---|---|
| ID Electropolished | Internal diameter polished; Ra ≤ 0.25 µm; preferred for product contact surfaces |
| OD + ID Electropolished | Both surfaces polished; for visible installations and ultra-clean environments |
| Mechanically Polished + EP | Pre-polished then electropolished for mirror finish Ra ≤ 0.1 µm |

| Parameter | Range / Values |
|---|---|
| Outer Diameter (OD) | 6 mm to 168.3 mm (standard process pipe and tube sizes) |
| Wall Thickness (WT) | 1.0 mm to 5.0 mm |
| Surface Finish (Ra) | ≤ 0.8 µm (standard EP) to ≤ 0.1 µm (high-purity EP) |
| Length | Up to 6 m; special lengths on request |

# PNEUMATIC TUBES

*Reliable air and gas conveyance for automation and control systems*

Pneumatic tubes convey compressed air, inert gases, and control signals in automation, valve actuation, and process control applications. Manufactured from PU, PTFE & Nylon, they offer superior pressure resistance and corrosion resistance in industrial environments.


| Parameter | Range / Values |
|---|---|
| Outer Diameter (OD) | 6mm, 8mm, 10mm, 12mm |
| Wall Thickness (WT) | 0.5 mm to 2.5 mm |
| Working Pressure | Up to 300 bar depending on OD and WT (ASME calc.) |
| Length | 6 m standard, coils available for smaller ODs |

| Manufacturing Standards | Scope / Specification |
|---|---|
| ISO 14743, DIN 73378, ASTM D3295 (PTFE), ASTM D6778 (PU) | Tubing for pneumatic systems, automation, air control and fluid transfer applications. |

# HEAT EXCHANGER TUBES

*Efficient thermal transfer tubing for shell-and-tube and other exchangers*

Heat exchanger tubes are precision-drawn tubes used as the primary heat transfer element in shell-and-tube heat exchangers, feedwater heaters, and condensers. They must withstand cyclic thermal stresses, high pressures, and corrosive process fluids, making material selection and dimensional accuracy critical.


| Manufacturing Standard | Scope / Specification |
|---|---|
| ASTM A213, ASTM A249, ASTM A688 | Seamless and welded stainless steel tubes for boilers, heat exchangers and process heating equipment. |

# CONDENSER TUBES

*High-performance tubing for steam, refrigerant, and cooling water condensers*

Condenser tubes are used in surface condensers where steam or vapor is condensed by cooling water or air flowing across the tube bundle exterior. They require excellent resistance to erosion-corrosion from high-velocity water and consistent wall thickness for reliable thermal performance.


| Manufacturing Standards | Scope / Specification |
|---|---|
| ASTM A249, ASTM A213, ASTM B111 | Stainless steel and copper alloy tubes for condensers and heat transfer equipment. |

## HYGIENIC & SANITARY TUBES

*Cleanroom-ready tubing designed for product contact in sensitive industries*

Hygienic and sanitary tubes are designed for direct product contact in food, dairy, beverage, pharmaceutical, and cosmetics processing. They feature smooth internal bores, crevice-free butt-weld joints, and surface finishes that resist microbial adhesion and enable effective CIP and SIP cleaning cycles.

| Manufacturing Standards | Scope / Specification |
|---|---|
| ASTM A270, ASME BPE, DIN 11 EN 10357, ISO 2037 | Hygienic stainless-steel tubing for pharmaceutical, dairy, food & beverage, and biotechnology industries. |


# PURIFIED WATER TUBES

*Ultra-clean tubing for PW, WFI, and WPU distribution systems*

Purified Water (PW) and Water for Injection (WFI) tubes are the highest-specification stainless steel tubes used in pharmaceutical water systems. They must meet USP/Ph. Eur. water quality requirements, support continuous recirculation, and be CIP/SIP compatible. Surface quality and full documentation traceability are mandatory.

| Manufacturing Standards | Scope / Specification |
|---|---|
| ASTM A270, ASME BPE, ASTM A269 | High-purity stainless steel tubing for Purified Water (PW), Water for Injection (WFI), and clean utility systems. |


# REFRIGERATION CU TUBES

*High-efficiency copper tubing for HVAC and refrigeration systems*

Refrigeration Copper Tubes are precision-drawn, seamless tubes designed for refrigerant and air-conditioning circuits. They ensure optimal heat transfer, leak-free performance, and long-term durability under high pressure. Manufactured to ASTM B68/B280 standards, these tubes are available in straight lengths and coils. Their smooth internal surface minimizes friction losses, while corrosion resistance supports extended service life.

| Manufacturing Standards | Scope / Specification |
|---|---|
| ASTM B280, ASTM B68, ASTM B75, EN 12735-1 | Seamless copper tubes for refrigeration, air-conditioning, HVAC and cooling systems. |


# CU TUBES-PVC COATED

*Durable copper tubing with protective PVC coating*

Cu Tubes PVC Coated are designed for plumbing, refrigeration, and industrial applications where enhanced mechanical protection and corrosion resistance are required. The PVC layer shields the copper from moisture, chemicals, and mechanical wear, ensuring long service life and reliable performance. These tubes combine copper's excellent thermal and electrical conductivity with the added durability of a polymer coating.

| Manufacturing Standards | Scope / Specification |
|---|---|
| ASTM B280, ASTM B68, ASTM B75, EN 12735-1 | PVC-coated seamless copper tubes for refrigeration, HVAC, plumbing and process cooling applications. |

# CU TUBES – PVC COATED

Copper tubes with durable PVC coating for enhanced protection, insulation and long-lasting performance in various applications.

**Corrosion & Moisture Resistant**
PVC coating protects against corrosion and moisture

**Good Thermal Conductivity**
Efficient heat transfer performance

**Durable & Flexible**
Strong, flexible and easy to install

**Wide Range**
OD: 1/4" to 7/8"
WT: 0.35 mm to 1.24 mm

**Applications**
Air Conditioning, Refrigeration, Plumbing, HVAC and more

CORROSION & MOISTURE RESISTANT | GOOD THERMAL CONDUCTIVITY | DURABLE & FLEXIBLE | LONG LASTING PROTECTION | CUSTOM SIZES AVAILABLE

# INSTRUMENTATION TUBE FITTINGS

*Precision-engineered stainless-steel fittings for leak-proof, high-pressure tube connections.*

Manufactured from premium materials and engineered to international standards, our fittings ensure secure, leak-proof, and durable connections for instrumentation, hydraulic, pneumatic, and process applications.

## INSTRUMENTATION FITTINGS

Precision fittings for instrumentation and control systems.

APPLICATIONS

Oil & Gas | Chemical | Power | Water Treatment

## PNEUMATIC FITTINGS

High-performance fittings for pneumatic systems ensuring leak-free connections.

APPLICATIONS

Automation | Manufacturing | Robotics | Packaging

## ELECTROPOLISHED FITTINGS

Electropolished fittings for critical and high-purity applications.

APPLICATIONS

Pharmaceutical | Biotech | Food & Beverage | Clean Energy

## HEAT EXCHANGER FITTINGS

Durable fittings for heat exchangers and boilers built for high temperature & pressure.

APPLICATIONS

Power Plants | HVAC | Marine | Petrochemical

## CONDENSER FITTINGS

Reliable fittings for condenser and cooling system applications.

APPLICATIONS

Power Generation | Refineries | Chemical | OEM Equipment

## HYGIENIC / SANITARY FITTINGS

Hygienic fittings for sanitary and aseptic systems.

APPLICATIONS

Dairy | Brewery | Pharmaceutical | Cosmetics

## PURIFIED WATER FITTINGS

High-purity fittings for WFI, PW and ultrapure water systems.

APPLICATIONS

Pharma | Biotech | Electronics | Laboratories

## REFRIGERATION COPPER FITTINGS

Copper fittings for refrigeration and HVAC systems.

APPLICATIONS

HVAC | Refrigeration | Cold Storage | Air Conditioning

## COPPER FITTINGS – PVC COATED

Copper fittings with PVC coating for corrosion protection and durability.

APPLICATIONS

Water Supply | Plumbing | Fire Protection | Building Services

## INSTRUMENTATION FITTINGS

**MATERIAL (MOC)**
SS 304 / 304L / 316 / 316L, Brass, Carbon Steel, Alloy 400

**SIZE RANGE**
**OD:** 1/16" to 2" (1.6 mm to 50.8 mm)

## PNEUMATIC FITTINGS

**MATERIAL (MOC)**
Brass, SS 303 / 304, Engineering Plastic

**SIZE RANGE**
**OD:** 4 mm to 16 mm (5/32" to 5/8")
**BSPT:** 1/8" to 1/2"

## ELECTROPOLISHED FITTINGS

**MATERIAL (MOC)**
SS 304 / 304L / 316 / 316L

**SIZE RANGE**
**OD:** 1/4" to 4" (6.35 mm to 101.6 mm)
**BPE:** 1/4" to 4"

## HEAT EXCHANGER FITTINGS

**MATERIAL (MOC)**
SS 304 / 304L / 316 / 316L, Carbon Steel, Alloy Steel

**SIZE RANGE**
**OD:** 1/4" to 2" (6.35 mm to 50.8 mm)
**NPT:** 1/8" to 2"

## CONDENSER FITTINGS

**MATERIAL (MOC)**
SS 304 / 304L / 316 / 316L, Brass, Cu-Ni

**SIZE RANGE**
**OD:** 1/4" to 2" (6.35 mm to 50.8 mm)
**NPT:** 1/8" to 2"

## HYGIENIC / SANITARY FITTINGS

**MATERIAL (MOC)**
SS 304 / 304L / 316 / 316L

**SIZE RANGE**
**OD:** 1/4" to 4" (6.35 mm to 101.6 mm)
**BPE:** 1/4" to 4"

## PURIFIED WATER FITTINGS

**MATERIAL (MOC)**
SS 316L / 304L

**SIZE RANGE**
**OD:** 1/4" to 3" (6.35 mm to 76.2 mm)
**BPE:** 1/4" to 3"

## REFRIGERATION CU FITTINGS

**MATERIAL (MOC)**
Copper (C12200)

**SIZE RANGE**
**OD:** 1/4" to 2-5/8" (6.35 mm to 66.7 mm)

## CU FITTINGS – PVC COATED

**MATERIAL (MOC)**
Copper (C12200) with PVC Coating

**SIZE RANGE**
**OD:** 1/4" to 2-1/8" (6.35 mm to 53.98 mm)

CONTACT

# REQUEST FOR QUOTATION

We welcome enquiries from engineers, procurement teams, OEMs, EPC contractors, and fabricators. Please share your requirements and we will respond with a competitive quotation promptly.

## Contact Information

| Contact Method | Details |
|---|---|
| Email | yashtubes.sales@gmail.com |
| Phone / WhatsApp | +91 7018824002 |
| Warehouse Address | F-242, Phase 8B Industrial Area, Mohali, SAS Nagar, Punjab -160071 INDIA |
| Working Hours | Monday – Saturday, 9:00 AM to 6:00 PM |

## When Submitting an RFQ, Please Include:

- Tube type / product category
- Material grade required (e.g., SS 316L, SS 304, Cu-Ni, Titanium)
- Outer diameter (OD) and wall thickness (WT) or schedule
- Length required (standard or cut-to-length)
- Quantity (in meters, pieces, or kg)
- Applicable standard / specification (ASTM, ISO, DIN, etc.)
- Delivery location and required timeline
- Any third-party inspection or test certificate requirements

**YASH TUBES & FITTINGS CO.**

*Precision. Quality. Reliability.*

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