Maximum Allowable Working Pressure

Seamed Stainless Steel Tube

(Unit : bar)

O.D. (mm)	Wall Thickness (mm)					
	0.5	0.8	1.0	1.2	1.5	2.0
6	160	270	350	-	-	-
8	120	195	250	310	-	-
10	95	155	195	240	310	-
12	-	125	160	195	250	350
15	-	-	125	155	195	-

(Unit : bar)

O.D. (in.)	Wall Thickness (in.)	
	0.035	0.049
1/4	275	410
3/8	180	264
1/2	140	200

Copper Tube ☆

(Unit : bar)

O.D. (mm)	Wall Thickness (mm)		
	0.8	1.0	1.2
6	120	150	180
8	85	110	130
10	-	85	100
12	-	70	85
15	-	55	65

(Unit : bar)

O.D. (in.)	Wall Thickness (in.)	
	0.035	0.049
1/4	130	180
3/8	85	110
1/2	-	85

Cu-Ni(90/10) Tube

(Unit : bar)

O.D. (mm)	Wall Thickness (mm)		
	1.0	1.4	1.5
8	150	240	260
10	130	190	200
12	-	160	170

วัสดุที่ทำท่อ **การใช้งาน** **อุณหภูมิ**

Tube Material

Tubing material	Application	Temperature range ℃
Stainless steel (SS316)	High pressure, high temperature, generally corrosive media	-255 to +605
Carbon Steel	High pressure, high temperature oil, air, some specialty chemicals	-29 to +425
Copper	Low-temperature, low-pressure water, oil, air	-40 to +205
Aluminum	Low-temperature, low-pressure water, oil, air, some specialty chemiclas	-40 to +205
Monel 400	ecommended for sour gas applications well suited for marine and general chemical processing applications	198 to +425
Hastelloy C-276	Excellent corrosion resistance to both oxidizing and reducing media and excellent resistance to localized corrosion attack	-198 to +535
Inconel alloy 600	Recommended for high-temperature applications with generally corrosive media	-130 to +650

ค่าการทนรับแรงดันของท่อ ขึ้นกับ อุณหภูมิระหว่างทำงาน และ สารเคมี ที่ไหลผ่านตัวท่อ ดังนั้นผู้ติดตั้งท่อ ความคำนึงถึง ความหนาของท่อ แต่ละชนิดประกอบด้วย

COPPER SERIES

PVC COATED COPPER TUBE ROLLS

PVC coated copper tube rolls, coated with high quality PVC which increase LPG pipes anti-friction and heat-resistant quality. 6mm. and 8mm diameters with 0.80mm. thickness. Lenght between 1,000mm. to 50,000mm.

- ✓ Heat-Resistant
- ✓ Anti-Friction
- ✓ Anti-UV
- ✓ Low Water Absorbtion
- ✓ ASTM B837 Standards

Coated Copper Tube

COBRE-FLUX
COATED COPPER TUBE

MATERIALS

- Inner tube: Soft annealed weldless copper.
- Coating: Jacket in PVC, Polyethylene and others.

APPLICATIONS

- Remote instrumentation.
- Process control.
- Refrigeration systems.
- Pneumatic systems.

FEATURES

- Excellent external resistance against chemical products, solvents, and environmental corrosion, depending on the coating material.
- Temperature resistant depending on the coating material.
- Low cost per meter and easier to install, compared with stainless steel tubing.
- Copper tubes comply with ASTM B68/B68M UNS C12200 specifications.

TECHNICAL DATA

Inch Tube

Part No for tube with PVC jacket	Part No for tube with Polyethylene jacket	Part No for tube without jacket	Outside Diameter of copper tube (O.D.) (in)	Wall thickness of copper tube (mm)	Nominal Jacket Wall Thickness (mm)	Outside Diameter (O.D.) (mm)	Reel Lenght (m)	Weight (Approx.) (g/m)	Minimum Bend Radius (mm)
8044CVC(--)	8044CPE(--)	44CU	1/4	0,79	0,80	8,0	50 à 300	160	26,0
8066CVC(--)	8066CPE(--)	66CU	3/8	0,79	0,80	11,2	50 à 200	246	32,0
8088CVC(--)	8088CPE(--)	88CU	1/2	0,79	0,80	14,5	50 à 100	331	38,5

Millimeter Tube

Part No for tube with PVC jacket	Part No for tube with Polyethylene jacket	Outside Diameter of copper tube (O.D.) (mm)	Wall thickness of copper tube (mm)	Nominal Jacket Wall Thickness (mm)	Outside Diameter (O.D.) (mm)	Reel Lenght (m)	Weight (Approx.) (g/m)	Minimum Bend Radius (mm)
8006CVC(--)	8006CPE(--)	6	0,80	0,80	7,6	50 à 300	153	26,0
8008CVC(--)	8008CPE(--)	8	0,80	0,80	9,6	50 à 200	248	32,0
8010CVC(--)	8010CPE(--)	10	0,80	0,80	11,6	50 à 200	264	32,0
8012CVC(--)	8012CPE(--)	12	0,80	0,80	13,6	50 à 100	320	38,5

Outside Diameter of copper tube (O.D.) in - (mm)	Maximum Working Pressure (psi)
1/4 - (6)	1900
5/16 - (8)	1800
3/8 - (10)	1200
1/2 - (12)	1000

All information here is subject of changes witho
Others configurations, please consult factory.

QUALITY SYSTEM CERTIFIED TO ISO 9001:2000 - ISO/TS 16949:2002 STANDARDS