



Corrugated Stainless Steel Tubing System for Gas Installation in Buildings



Description

HONGWUGAS™ is a corrugated stainless steel pliable tubing complying with EN15266 "Stainless steel pliable corrugated tubing kits in buildings for gas". Manufacturing materials are: EN1.4404 type 316L corrugated stainless steel tubing, jacketing of UV resistant polyethylene meeting the requirements of EN13501 for flame spread and smoke density. All mechanical tube fittings are complying with EN12164/EN12165 with our unique designed fittings.

Features:

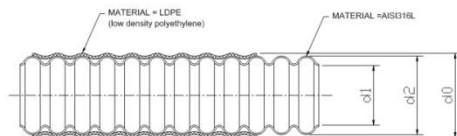
- Quick & Easy Installation
- Required Tools: Tubing Cutter, Utility Knife, Wrenches
- Fewer Fittings, Less Waste
- Polyethylene Jacket
- Pre-Marked by the Meter
- Lightweight & Flexible
- 100% Factory Pressure Tested

Certificate:

- DIN En15266
- DVGW G5616
- ISO 9001:2008
- ISO 14001:2004

Technical Data:

General



Max. Approved Operating Pressure	500 mbar
Tubing Material	EN1.4404
Jacket Material	UV Resistant Polyethylene
Rating (PE Jacket)	B -S1, d0

Dimensional Characteristics

CSSP tubing size in mm	DN15	DN20	DN25	DN32
Outside diameter with covering d0	19.7	26.6	34.0	40.0
Outside diameter with covering d2	18.5	25.4	32.8	38.8
Inner diameter d1	14.8	20.8	26.6	32.0
Material thickness	0.25	0.25	0.25	0.3



Male Mechanical Joints

Features:

- Male BSPT Body, Copper gasket, Retainer, Nut
- Tool-Less Flare Fitting Design
- Metal-to-Metal Seal
- Self-Guiding Fitting Assembly

Technical Data

- Max. Approved Operating Pressure: 500 mbar
- Fitting Material: CW612N
- Gasket Material: CW004A



Dimensional Characteristics

Dimensions	Item No
DN 15 x R1/2"	MMJ-15-12R
DN 20 x R3/4"	MMJ-20-34R
DN 25 x R1"	MMJ-25-10R
DN 32 x R1 1/4"	MMJ-32-114R

Female Mechanical Joints

Features:

- Female BSPT Body, Copper gasket, Retainer, Nut
- Tool-Less Flare Fitting Design
- Metal-to-Metal Seal
- Self-Guiding Fitting Assembly

Technical Data

- Max. Approved Operating Pressure: 500 mbar
- Fitting Material: CW612N
- Gasket Material: CW004A



Dimensions	Item No
DN 15 x Rp1/2"	FMJ-15-12R
DN 20 x Rp3/4"	FMJ-20-34R
DN 25 x Rp1"	FMJ-25-10R
DN 32 x Rp1 1/4"	FMJ-32-114R

Couplings & Reducing Unions

Features:

- Joint Body, (2)Copper gasket, (2)Retainer, (2)Nut
- Tool-Less Flare Fitting Design
- Metal-to-Metal Seal
- Self-Guiding Fitting Assembly



Technical Data

- Max. Approved Operating Pressure: 500 mbar
- Fitting Material: CW612N
- Gasket Material: CW004A

Dimensional Characteristics

Dimensions	Item No	Dimensions	Item No
DN15xDN15	CU-15	DN20xDN25	RU-2025
DN20xDN20	CU-20	DN15xDN25	RU-1525
DN25xDN25	CU-25	DN25xDN32	RU-2532
DN32xDN32	CU-32	DN20xDN32	RU-2032
DN15xDN20	RU-1520	DN15xDN32	RU-1532

Mechanical Tees

Features:

- Tee Body, (3)Copper gasket, (3)Retainer, (3)Nut
- Tool-Less Flare Fitting Design
- Metal-to-Metal Seal
- Self-Guiding Fitting Assembly



Technical Data

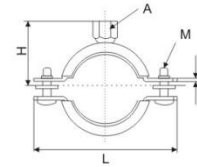
- Max. Approved Operating Pressure: 500 mbar
- Fitting Material: CW612N
- Gasket Material: CW004A

Dimensional Characteristics

Dimensions	Item No
DN15xDN15xDN15	ET-15
DN20xDN20xDN20	ET-20
DN25xDN25xDN25	ET-25
DN32xDN32xDN32	ET-32
DN20xDN15xDN15	RT-201515
DN20xDN20xDN15	RT-202015
DN25xDN20xDN15	RT-252015
DN25xDN20xDN20	RT-252020
DN25xDN25xDN20	RT-252520
DN25xDN25xDN15	RT-252515

Pipe Supports

DN	Item No	Lin mm	Hin mm
DN15	PS-15	63	25
DN20	PS-20	68	30
DN25	PS-25	76	33
Dn32	PS-32	90	37



Tubing Cutter



Description/ Size	Item No
Tubing Cutter for DN15 - DN20	TC-001
Tubing Cutter for DN25 - Dn32	TC-002

Bonding Clamp



Description/ Size	Item No
Bonding Clamp for DN15 - DN20	BC-001
Bonding Clamp for DN25 - DN32	BC-002

Construction and assembly of the power plant

Cutting and fitting

The following is a step by step procedure for cutting HONGWUGAS™ CSSPT to length and fitting a connection.



Step 1

Before use, the initial part of the coiled corrugated tube must always carefully and neatly be cut. Determine the proper length. Cut the tubing through the plastic cover and stainless steel to length with the tubing cutter. The cut blade must be positioned in the corrugation valley between two corrugations. Swivel the cutter in one direction and tighten roller pressure slowly after each rotation. Attention: Over tightening may cause irregular cuts and deformations.



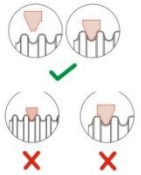
Step 2

Remove the polyethylene cover with the stripper knife so that two corrugations are exposed to allow assembly of the fittings. The short piece of cover can easily be removed by placing the utility knife blade under cover to peel the jacket off. Caution: The stripper knife is sharp, please handle carefully.



Step 3

Slide Nut over tubing and position the two semi-circular retainer into the second corrugation. Leave one corrugations exposed at the end of the tubing. (Mind the orientation of the semi-circular retainer, see figure)



Step 4

Slide nut over collects and place the gasket inside the nut



Step 5

Tighten the nut and fitting using two suitably sized wrenches. The seal is formed when last corrugation deforms around the copper seat inside the fitting