

PLT-CSST

CORRUGATED STAINLESS STEEL TUBES

EUROWATER

PLT-CSST corrugated stainless steel tubes in AISI304 for water distribution



DESCRIPTION

The specific structure of the EUROWATER tube, resistant to pressure and deformation, allows creating any "cold-shape" forming, with angles up to 180°, without the use of special bending tools.

The performance characteristics of the EUROTIS srl PLT-CSST pipe are linked not only to the quality of the steel but above all to the following two factors:

- corrugations' bending radii and hose pitch give the PLT-CSST pipe the maximum efficiency during the bending phase and allow the reduction of the internal diameter and the relative flow rate to be negligible along the bend.
- thicknesses of at least 0.3 mm starting from DN12 give the pipes a high impact resistance, a remarkable resistance to crushing and an excellent functionality when bending.

The particular qualities previously described give the PLT-CSST pipe physical characteristics of semi-rigidity, which allows, during installation, easy changes of direction without the use of fittings.



Suitable
for drinking water

DN: 10, 12, 15, 20, 25, 32, 40, 50

DN is the nominal internal diameter



TECHNICAL SPECIFICATIONS

Id: Internal diameter
Ed: External diameter
Th: Thickness PLT-CSST
P: Pitch



DN	Thread connection	Id mm	Ed mm	Th mm	P mm
10	3/8"	9.3	12.2	0.25	4.0
12	1/2"	13.2	16.8	0.30	5.1
15	3/4"	15.8	20.0	0.30	5.5
20	1"	19.7	25.0	0.30	6.4
25	1 1/4"	26.5	33.0	0.30	7.1
32	1 1/2"	33.0	41.0	0.35	7.6
40	2"	40.0	47.7	0.35	8.8
50	2 1/2"	51.0	61.0	0.40	9.4

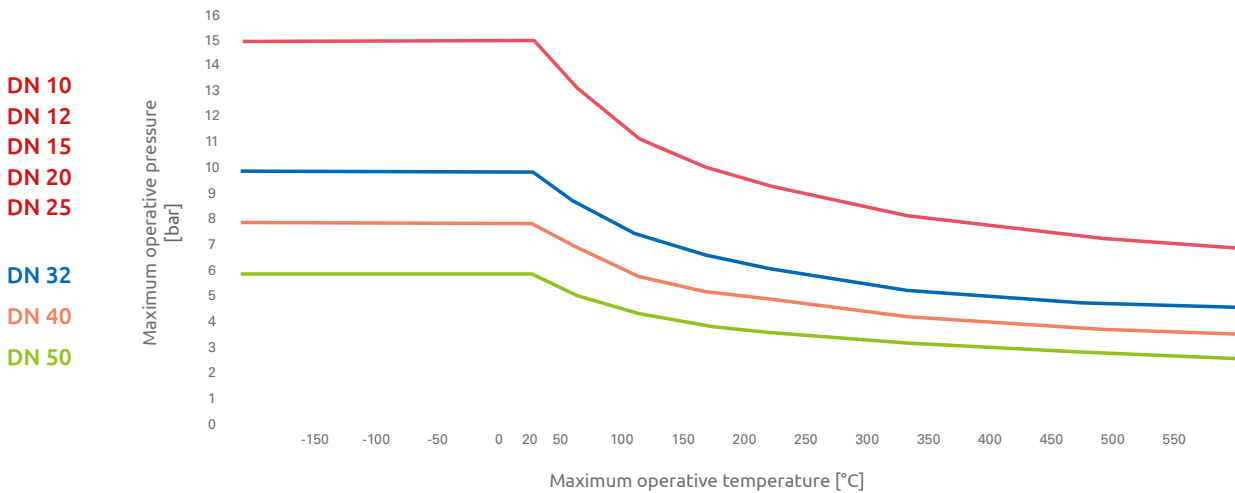
TECHNICAL CHARACTERISTICS

- Material: austenitic stainless steel AISI 304 (designation: 1.4301 – X5CrNi18-10). Complying with EN10028-7
- Maximum operative temperature: 550°C
- The following table gives an indication of the pressure values to vary the temperature after which the PLT-CSST tube of EUROTIS srl begins the process of permanent linear expansion higher than 1%. The pressure values therefore do not indicate the structural failure that occurs at considerably higher pressures than those indicated

CERTIFICATIONS AND REFERENCE STANDARD

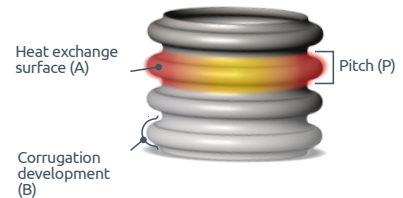
- KIWA complying with DT KI-0413 annex K69; KQ KIP-096777.

Operative pressure / temperature CSST tubes



ENERGY CHARACTERISTICS

DN	Pitch (P) mm	Internal linear surface m ² /m	External linear surface m ² /m	Linear volume l/m
10	4.0	0.0407	0.0429	0.0089
12	5.1	0.0565	0.0591	0.1730
15	5.5	0.0702	0.0730	0.2480
20	6.4	0.0912	0.0942	0.3830
25	7.1	0.1313	0.1345	0.7000
32	7.6	0.1757	0.1799	1.0460
40	8.8	0.1885	0.1922	1.4920
50	9.4	0.2700	0.2750	2.4150



EUROTIS
Creatori di soluzioni

Eurotis S.r.l.
Via Quintino Sella 1 - ang. via A. Volta
20094 Corsico - MI - ITALY
Ph. +39 02 4501442 - Fax +39 02 4503023
info@eurotis.it

www.eurotis.it