

BRUGG

Pipes

SECON®-X

Pipe system for petrol stations

Double walled flexible fill pipe for automotive fuels in petrol station constructions

SYSTEM DESCRIPTION

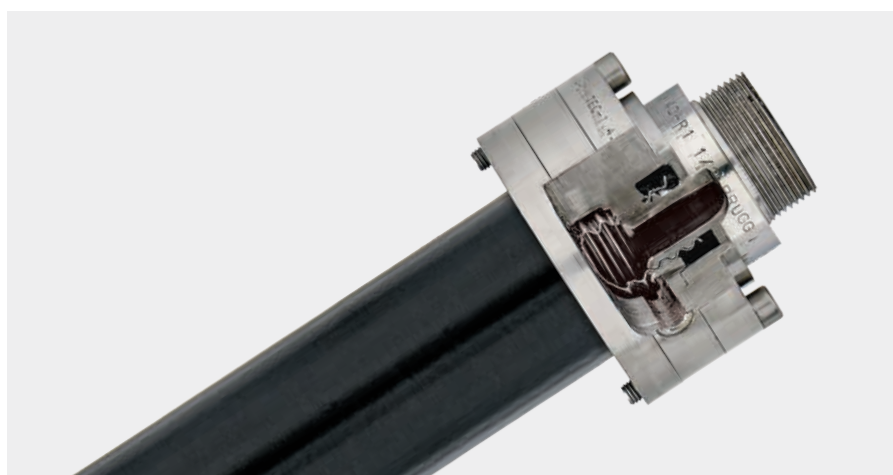
SECON®-X has been specially developed as a coaxial pipe for under-ground service in petrol stations. Fast and easy installation without welding, early completion and minimal downtime on retrofits are only some of the major advantages of SECON®-X.

SYSTEM ADVANTAGES

- flexible, double walled
- impermeable and corrosion-resistant
- fast and simple to install
- environmentally safe
- the most cost effective metallic pipe

CONSTRUCTION

SECON®-X is a flexible pipe system with a stainless steel primary pipe capable of being tested and even monitored for leaks. The SECON®-X double walled pipe system consists of a helically corrugated stainless steel primary pipe and a polyethylene secondary containment casing pipe. Helical channels are formed by the geometry of the primary pipe around the circumference, aided by longitudinal channels in the secondary pipe. Both extend over the entire length of the pipe. These longitudinal channels between the carrier and casing pipe provide the necessary annular gap for the safe and contained flow of leaking



product along and within the coaxial pipe. The stainless steel primary pipe of SECON®-X is not only corrosion-resistant but is also a permeation proof barrier. It is also capable of handling the future generation of automotive fuels. Being made of corrosion proof materials SECON®-X does not need any additional cathodic corrosion-protection.

RANGE OF APPLICATIONS

SECON®-X pipes, subject to compliance with local and national requirements, are designed for use as:

- Suction pipes
- Pressure pipes
- Fill pipes

SIZES AND PRESSURE RATINGS

Available sizes: DN (nom. bore) 25 (1"), 40 (1 ½"), 50 (2") and 100 (4")

Max. operating pressure: + 10.0 bar (145 PSIG) or any pressure below atmospheric pressure.

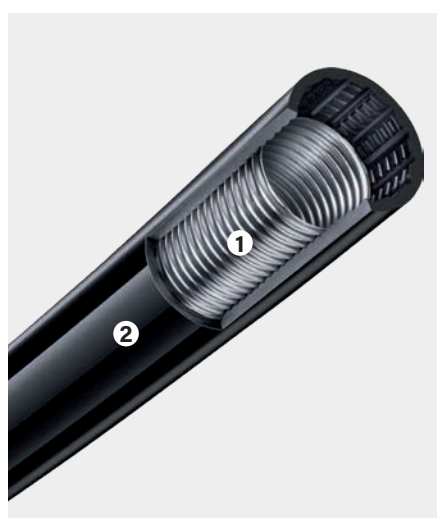
CONNECTORS

Installation of the end couplings is carried out on-site without any open flames or welding, etc.

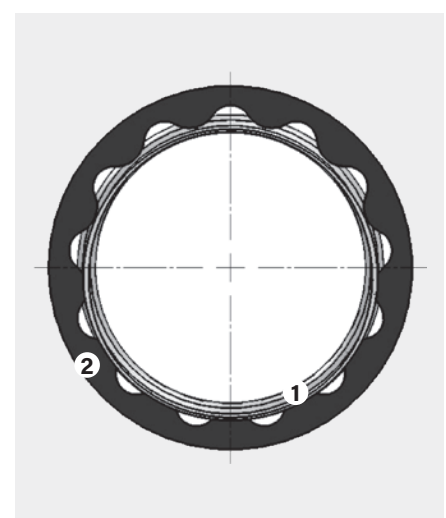
INSTALLATION

SECON®-X can be delivered in coils or on cable reels. The corrugated primary pipe gives this pipe extraordinary good bendability for ease of installation. SECON®-X can easily be cut to the required lengths on site and – where necessary – bent at very tight radii. Unlike with plastic piping there is virtually no spring back once bent. A feature that makes the contractors job a lot easier and quicker. Last not least it saves money.

- 1 corrugated stainless steel primary pipe
- 2 PE-LD jacket with longitudinal channels



SECON®-X Pipe



SECON®-X Construction

Physical properties of SECON®-X pipes

Type designation:		SEC 25	SEC 40	SEC 50	SEC 100
Material:	primary pipe: stainless steel EN 1.4404 (AISI TP 316 L)	•	•	•	•
	secondary pipe: PE-LD	•	•	•	•
Max. operating pressure:	all connector types	+ 10.0 bar	+ 10.0 bar	+ 10.0 bar	+ 10.0 bar
Nominal diameter*:		DN 25 / 1"	DN 40 / 1 1/2"	DN 50 / 2"	DN 100 / 4"
Dimensions:	inner pipe diameter	30 mm	48 mm	60 mm	98 mm
	outer pipe diameter	44 mm	63 mm	75 mm	124 mm
Min. bending radius:		300 mm	360 mm	400 mm	800 mm
Weight:		0.87 kg/m	1.7 kg/m	2.1 kg/m	4.5 kg/m
Available type of connectors:	with female thread	•			
	with male thread	•	•	•	•
Recommendation for use:	suction line	•	•	•	
	pressure pipe	•	•	•	•
	gravity fill pipe				•

* sizing in accordance with actual heads loss computations for gaseous or liquid gasoline

All technical data subject to change.

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