

# **BRUGG**

Pipes

## **Pipe Systems for Data Center Liquid Medium Transportation**

Flexible – Safe – Efficient



**PIONEERS IN  
INFRASTRUCTURE**

## Experience and Expertise

BRUGG Pipes is the worldwide market leader to partner with for the safe transport of flammable and environmentally hazardous liquid mediums. For over 40 years, our double-containment pipework has provided solutions for engineers, petroleum companies and data centers across the globe.

## Pipe Solutions

To fulfill mission-critical specifications, we offer monitorable, double-walled, stainless steel pipe systems that ensure a secure solution during the lifespan of your facility. Through the use of our FLEXWELL® Safety Pipe (FSR) and SECON®-X pipe solutions, we are ready to accomplish your data center liquid-medium transportation requirements for both new and retrofit construction projects.

Through permanent monitoring, FSR and SECON®-X pipe solutions prevent the uncontrolled escape of liquid medium, ensuring maximum uptime percentages. Both systems are certified by the German TÜV and United States UL 1369/971a for above or underground services.

## FLEXWELL® Safety Pipe

The FLEXWELL® Safety Pipe is a flexible, continuous, double-walled pipe system with a monitoring option for industrial applications and tank facilities.

### Properties

Operating pressure: PN 25  
Dimensions: DN 12 – DN 150  
Carrier pipe: Corrugated stainless steel

### Applications

FLEXWELL® Safety Pipe is used for transporting environmentally harmful, flammable, poisonous, hazardous liquids and gases, emergency power systems, supply lines, etc. and is also available as FSR 3WD with PUR foam insulation for temperature-critical medium (e.g. thermal oil).

During production, the pipe seam is mechanically welded and continuously monitored to ensure the highest quality possible. Both systems are constructed as a single unit in continuous helically corrugated lengths, bypassing the need for welded or mechanical joints, thereby ensuring faster speed to market, short delivery times and typically one-day installation. Shorter construction schedules allow for minimized probability of accidents, fewer on-site personnel and zero welding on the installation site. Both systems are factory-tested prior to delivery to guarantee immediate use upon connection.

## All Challenges Welcome

Constructing a data center represents the largest capital expenditure a company will undertake, in terms of both investment and operational expenses. We pursue custom solutions for the rigorous demands of mission-critical infrastructure and ensure the highest quality standards for every project. We understand the costs associated with downtime and are committed to engineering the most reliable solutions for your data center piping infrastructure.

## SECON®-X

SECON®-X is designed specifically as a double-walled pipe system for underground fuel pipes in filling stations. Quick and simple laying without welding work, swift completion and the shortest possible downtimes during retrofitting work, are just a few of the key advantages of SECON®-X.

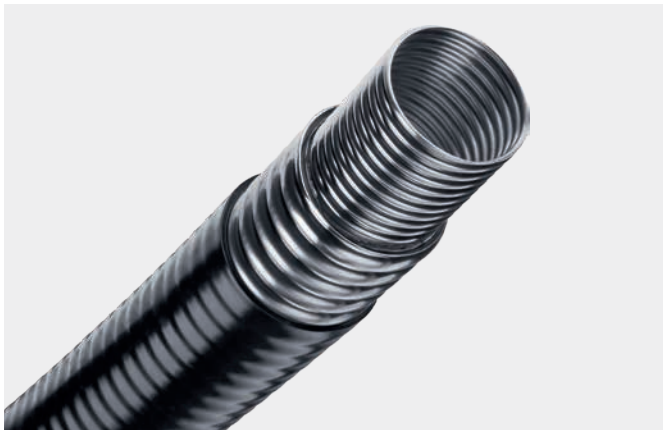
### Properties

Operating pressure: PN 10  
Dimensions: DN 25 – DN 100  
Carrier pipe: Corrugated stainless steel

### Applications

SECON®-X is used for suction, pressure and filling pipes, monitorable cooling lines and can be used as a vapor recovery/return pipe.





## FLEXWELL® Safety Pipe

### Construction

FLEXWELL® Safety Pipe is a flexible, permanently monitorable, double-walled pipe system.

The FLEXWELL® Safety Pipe consists of a corrugated stainless steel inner medium pipe, a reinforcing band and a corrugated outer containment pipe made of stainless steel. The annular gap between the inner and outer pipes is a surveillance space for leak monitoring. External corrosion protection is provided by a PE casing covering the outer pipe.



## SECON®-X

### Construction

SECON®-X consists of a flexible, corrugated inner tube made of stainless steel, material no. 1.4404. The geometry of the spirally corrugated inner pipe – together with the PE web jacket – results in a circumferential, continuous channel, which, in the event of damage, prevents the medium from escaping inadmissibly, thereby preventing contamination. In addition, this interstitial space can be used for a pressure test or for leak monitoring.

Since SECON®-X is made of corrosion-resistant material, there is no need for additional cathodic protection.

## References Data Center\* FLEXWELL® Safety Pipe

Project	Country	Medium
Google	Sweden	Diesel
Vodafone	United Kingdom	Diesel
Microsoft	United Kingdom	Diesel
AMAZON	Sweden	Diesel
Facebook	Singapur	Diesel
Interxion	Austria	Diesel
Equinix	Austria/Germany	Diesel
NTT Globalcenter	Germany	Diesel
Vantage	Germany	Diesel
Hanau	Germany	Diesel
Colt	Germany	Diesel
e-shelter	Germany	Diesel
Hetzner	Germany	Diesel



\* This is an excerpt without any claim to completeness.

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