

FLEXWELL® Pipe Systems

... three powerful designs for exponentially flexible safety



industry

BRUGG
Rohrsysteme

FLEXWELL® Piping Systems

... a family in a class
of its own

FLEXWELL®, is the trademark for **flexible, double-walled composite piping**. The crucial advantage of its design lies in the helical, corrugated primary and outer pipe.

Another definitive advantage of FLEXWELL® is the perfected corrugated pipe geometry. **That means:** minimal hydrodynamic resistance and excellent flushability combined with high flexibility and great transverse rigidity.

All materials used offer high-quality corrosion resistance – and, consequently, ideal for transporting a wide range of various materials. In addition, the continuous, external multilayer external corrosion proofing ensures unmatched safety underground.

Another key advantage: The helical corrugation of FLEXWELL® Piping Systems ensures flexible laying, compensates temperature-related variations in length and is self-ventilating.

The results are clear: FLEXWELL® Piping Systems deliver a reliable, extremely sturdy, unparalleled double-walled design ideally suited for laying even in problem zones (for example, minimal cover heights, areas subject to settling, for flush drilling applications) and under extreme laying conditions. The quality protection systems of BRUGG Piping Systems have proven their merits in countless applications.



Diverse range of practical applications

Double-walled piping in combination with our approved leak monitoring systems enables underground and aboveground

- heat-insulated transport of tempered and non-tempered liquids
- transport of liquids hazardous to water or the environment
- vacuum-insulated transport of supercooled gases

Just ask us about our many other solution options – and we can find the right one for everyone of your transport needs.



Exponentially flexible safety

Economical – sure and safe

Reliability and affordability are combined into one with superior industrial serial production and quality assurance certified by national and international supervisory authorities. Let us prove it!

Thanks to its high-quality design, FLEXWELL® can be laid quickly and very efficiently. The piping is laid into the trench or onto the pipe trestle directly from the cable drum or ring.

Great potential savings for underground construction:

Our piping can be easily adapted to predefined routing conditions, for underpassing or overpassing existing supply lines, bypassing obstacles and safety pipe laying – even through narrow pipe trenches.

As an all-round supplier of piping systems, BRUGG is at your side from the first consultation to the planning stage to implementation. Through open communications, our qualified employees – at your site or in touch from our factory in Wunstorf – ensure smooth functioning of your system even after the start of operations.

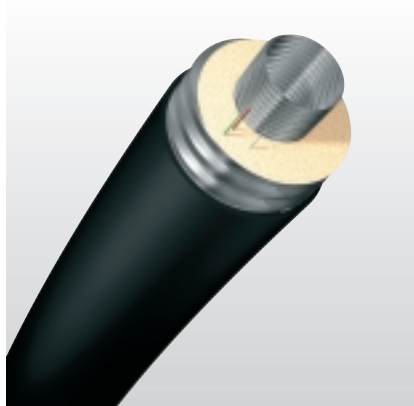
Only with BRUGG, BRUGG Systems and BRUGG-authorized dealers can you get all the services you need for:

flexible safety ³



FLEXWELL® –

three systems, one family



FLEXWELL® Piping System (Type FHK)

Design: Flexible, endless, monitorable, pre-insulated, double-walled, self-compensating piping system

Medium pipe: stainless steel, plastic

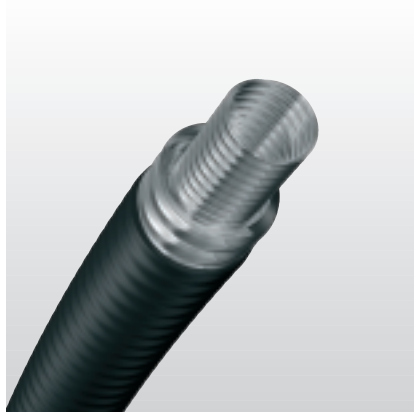
External pipe: steel with high-quality corrosion proofing

Heat insulation: Polyurethane high-resistance foam with monitoring leads for leak detection and localization

System parameters: Operating temperature from -169°C to $+150^{\circ}\text{C}$, operating pressure PN 25, available dimensions DN 25-150

Area of application: Safe, monitored heat- and cold-insulated transport of liquids.

Special features: Monitorable piping system for highly demanding underground transport of heat-insulated liquids. Diffusion-sealed barrier and safety through additional metallic external pipe, monitored by alarm leak system.



FLEXWELL Safety Pipe® (Type FSR)

Design: Flexible, double-walled, approved safety piping system with permanent leak monitoring

Medium pipe: stainless steel, copper or plastic

External pipe: steel with high-quality corrosion proofing

System parameters: Operating pressure PN 25, available dimensions DN 15-100

Area of application: permanently monitored transport of environmentally hazardous, flammable, poisonous, hazardous liquids and gases.

Special features: Double-walled piping with monitoring gap for leak monitoring by pressure or vacuum. A proven safety system for 30 years. National approval and even international certifications for such tasks as the transport of environmentally hazardous media.



CRYOFLEX® Transfer Piping System

Supplier: Nexans Germany, Hannover

Design: Flexible, endless, vacuum-insulated, self-compensating piping system for transporting low-boiling liquid gases.

Medium pipe and external pipe: stainless steel

Insulation: High-vacuum with super-insulation foil

System parameters: Operating temperature up to -270°C , available dimensions: standard dimensions DN 14 / DN 21 / DN 30 / DN 39 / DN 60
other dimensions on request

Area of application: Transport of liquid gas, liquid natural gas, nitrogen, hydrogen, oxygen, helium and other low-boiling gases.

Special features: Prefabricated ex-works, evacuated piping system complete with final testing. With two or more concentric corrugated pipes.

Ensuring for the future, with triple the benefit

FLEXWELL® Heating Cable, FLEXWELL Safety Pipe®, CRYOFLEX® Transfer Pipe – those are the FLEXWELL family piping systems featuring: high flexibility and double-wall with transverse rigidity. Since its founding by Gottlieb Suhner in 1896, the company's reputation has assumed international proportions in today's industrial sectors, providing domestic heating technology, filling station construction and group district and municipal heating around the globe.

As we all know, highly acclaimed, technically sophisticated products are only one side of the coin – customized all-round solutions revolving around a competent service partnership are what it adds up to in the end.

You can rely on BRUGG as your experienced partner for long-life piping systems. We offer practical solutions for transporting liquids of all kinds. Our customer support extends even further than our piping to cover every aspect from planning and engineering to final assembly. Every phase is monitored by a project management team that lives up to its name.

The benefits are obvious

When you buy BRUGG state-of-the-art products, you also receive all the benefits our expertise has to offer

- sturdy pipe construction with optimal corrugated pipe geometry
- aboveground and underground transport of liquids and gases
- a systematic solution – from the planning stage to final implementation.

In our word you can trust – we scrupulously apply our expansive market experience to completing your assignment. Maximum efficiency is a multiplier of customer benefit and helps protect the environment for a long time to come. Triple the benefits with piping from BRUGG.



BRUGG
Rohrsysteme

Professional pipe systems

for unlimited applications



Efficient, customized solutions cut costs and boost reliability

Your partner for pipe systems

We are the people to talk to for maximum-efficiency fluid transport systems. With our project engineers, our own R&D department, our manufacturing facilities and a professional team of fitters, we are ideally positioned to provide the reliable, professional service your project deserves. For district heating systems, filling station construction, or industrial and in-house systems.

Online documentation

Detailed pdf-format product documentation can be found on our websites at www.pipesystems.com or www.brudd.de.

Customized solutions

Brugg Rohrsysteme is a one-stop supplier of single-walled, double-walled and preinsulated pipe system. With our expertise, we are able to manufacture products for specific projects. Simply give us a call. Our engineers will be delighted to advise you and find a tailor-made solution.

BRUGG Rohrsysteme GmbH
Adolf-Oesterheld-Straße 31
D-31515 Wunstorf
Telefon +49 (0)50 31 170-0
Telefax +49 (0)50 31 170-170
www.brudd.de
info@brugg.de

Brugg Rohrsystem AG
Industriestrasse 39
CH-5314 Kleindöttingen
Telefon +41 (0)56 268 78 78
Telefax +41 (0)56 268 78 79
www.pipesystems.com
pipesystems@brugg.com

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Rohrsysteme

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