

The Brugg INDUCON Welding Joint

Quality paves the way to a safe future



Reliable welding

Brugg INDUCON



Brugg INDUCON is a contact-free induction-based welding method for PE sleeves.

This innovative technology makes it possible to produce continuous circumferential weld seams that are uniform and of maximum strength.

A firmly bonded joint

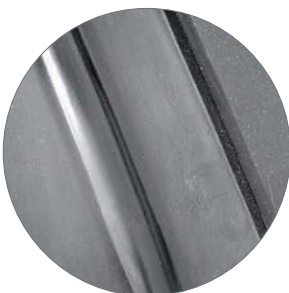
During the welding process, the casing pipe and the sleeve are locally heated and liquefied. The materials are inseparably joined to each other in the molten zone. This creates a tight weld seam that can withstand high loads. The Brugg INDUCON welding joint is the dependable solution that features exceptional strength and reliability during operation. These characteristics also make it ideal for difficult soil conditions or when groundwater or infiltrating water are present.

No connection wires

Brugg INDUCON is the contact-free process for producing welding joints for plastic casing pipes – a unique method, and a totally new development on the district heating market. A self-contained metal lattice strip is heated by means of induction. The inductive welding process creates an extremely strong joint in the area of the strip. A tight all-round weld seam is produced on both sides.

Patented interlocking technology

The Brugg INDUCON welding joint is simple to use. Since no connections are required, it is impossible for short circuits or cold spots to occur in the connection zone. Thanks to the patented interlocking technology, the metal lattice strip is positioned securely on the casing pipe so that it cannot slip. No additional fixture is required. This prevents cracks in the casing pipe being caused by hammering in clips or nails.



Simple, fast and defect-free

Brugg INDUCON



The simple installation method and the fully automated welding process mean that on-site errors are eliminated and that construction work can proceed more quickly. The costs of maintaining and repairing the pipe network are also reduced to the minimum.

Simple to use

Both the welding generator and the induction coil are exceptionally easy to install thanks to their low weight (less than 15 kg) and their flexibility. A normal socket is sufficient to supply power to the welding generator. Heavy retainer straps are eliminated. All these benefits are highly appreciated by on-site installation personnel and they ensure that construction work will proceed more quickly.



Fully automated and computer-controlled

The welding work is computer-controlled and fully automated. A welding record can be generated for each welding operation on request. A unique number is assigned, so sleeve allocation is guaranteed. This is especially necessary for pipe junctions where there are several sleeves in a very confined space. With the reliable Brugg INDUCON method, quality becomes transparent.



More customer benefits

- A second back-up weld is possible at only minimal extra cost
- One welding appliance for all dimensions
- One welding strip for all dimensions
- Double coil for dimensions of up to 180 mm (two welding operations at the same time)
- No penetration of water along connection wires
- No additional sealing is needed
- A small, easy-to-handle power generator is sufficient (230 V/2 kW)
- No openly accessible electrical connections
- Sleeve diameter is detected automatically
- No need for special tools fitting appliances

Pipe system for the future

Heating systems – Industry – Petrol stations – System packages



Your partner for pipe systems

We are the people you should talk to when you need to find efficient solutions for transporting liquid materials. With our project engineers, development department, in-house production unit and our professional team of fitters, we have the know-how and the resources to look after your projects competently and reliably. For all types of heating systems, petrol station construction, industrial plant construction and system packages.

Customer-specific solutions

Brugg is the full service provider in the field of single-wall, double-wall and insulated pipe systems. This know-how allows us to manufacture project-specific customised items.

Give us a call!

Our engineers will be pleased to advise you and find a made-to-measure solution.

International network

Our global partnership network can be reached on site at any time. More than 34 partners in 20 different countries will look after you wherever you are.

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