

PREMANT®

Plastic-clad pipe



Wide Range of Services for

From advice

Brugg Pipe Systems provides complete solutions, from thermal decoupling to the end consumer. Our full product range contains rigid plastic-jacketed pipes, flexible pipe systems and accessories for any application.

Together with our service package - from engineering to production and delivery to installation - we are a competent system supplier of local and long-distance energy networks.

Successful pipeline projects

Our many years of project and product expertise have an extremely beneficial effect on the timing, quality and cost of your project.

We can look after your static calculations, provide system solutions and deliver our products to site within an extremely short time.



Advice and Planning

PREMANT® Local and Remote E

to installation

PREMANT® - cutting edge technology for efficient production

Our pipes are available in sizes ranging from DN 20 to DN 1000. The choice of foam insulation, medium pipes and monitoring lead system is yours. Our modern production system allows us to react quickly to your requirements.

Standard parts

Thanks to our modern infrastructure we can deliver bars and standard parts from stock.

Short delivery times

Need a customer-specific moulded part? We will deliver special parts in record time.

Installation

We have well-coordinated installation partners with qualified welding specialists who will carry out pipe laying work of any kind, including drilling, repairs and reconstruction.



PREMANT® Standard parts
Delivery from stock

PREMANT® Special parts
Short delivery times

Installation

Energy Lines

EWELCON® Electric welding sleeves - innovative technology

Pipe connections are the weakest points in a long-distance heating system.

This is because normal sleeve connections are often technically inadequate, incorrectly installed and therefore leak. Consequence: the resulting heat loss reduces the performance of the network considerably. The damage is also expensive to put right once it has been found.

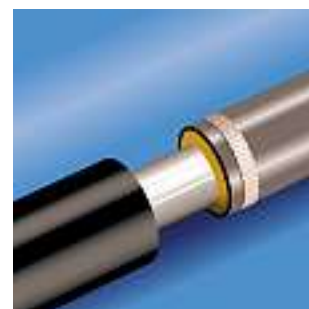
Our patented electric welding sleeves set new standards in sleeve technology. Due to homogeneous welding with the jacket tube they provide non-positive, waterproof and sealed insulation.



Pipe insulation

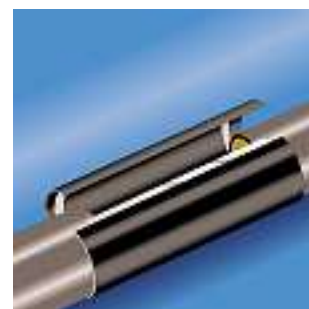
EWELCON-S® Welding Sleeves

For new projects or insulating pipes with jacket dimensions of up to 450 mm.



EWELCON® Welding Sheet

For repairs and reconstruction up to jacket dimensions of 1200 mm.



EWELCON® electronically controlled welding process

The 100% heat-seal for your pipe system



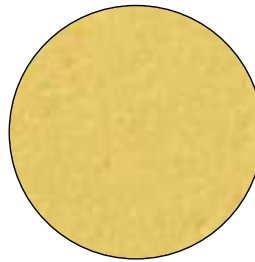
I Convincing

System Package



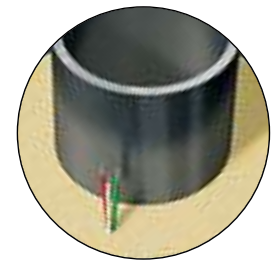
Medium pipe selection

- P 235 TR1/GH
- CRNI steel
- Cast
- Plastic / compound



Foam system selection

- Pentane insulation
- CO₂ insulation
- Fireproofing class insulation



Monitoring lead system selection

- Brandes
- Nordic

Heating / Overview

Nominal width	Steel pipe d x s	Standard length L	Insulation thickness 1		Insulation thickness 2		Insulation thickness 3		Volume Inner pipe
DN	mm	m	D mm	kg/m	D mm	kg/m	D mm	kg/m	l/m
20	26,9 x 2,6	6	90	2,76	110	3,19	125	3,55	0,37
25	33,7 x 2,6	6	90	3,17	110	3,60	125	3,96	0,67
32	42,4 x 2,6	6/12	110	4,56	125	5,01	140	5,40	1,09
40	48,3 x 2,6	6/12	110	5,08	125	5,44	140	5,83	1,46
50	60,3 x 2,9	6/12	125	6,30	140	6,69	160	7,25	2,33
65	76,1 x 2,9	6/12	140	7,79	160	8,36	180	8,97	3,88
80	88,9 x 3,2	6/12	160	9,22	180	9,84	200	10,62	5,35
100	114,3 x 3,6	6/12/16	200	13,34	225	14,44	250	15,74	9,01
125	139,7 x 3,6	6/12/16	225	16,21	250	17,56	280	19,31	13,79
150	168,3 x 4,0	6/12/16	250	21,10	280	22,85	315	25,07	20,18
200	219,3 x 4,5	6/12/16	315	31,36	355	34,34	400	38,03	34,67
250	273,0 x 5,0	6/12/16	400	45,49	450	50,02	500	55,19	54,33
300	323,9 x 5,6	6/12/16	450	58,90	500	64,08	560	71,07	76,80
350	355,6 x 5,6	6/12/16	500	67,02	560	74,01	630	82,91	93,16
400	406,4 x 6,3	6/12/16	560	85,25	630	94,15	670	99,92	121,80
450	457,2 x 6,3	6/12/16	630	99,11	670	104,90	710	110,80	155,25
500	508,0 x 6,3	6/12/16	710	115,50	800	130,20	900	145,90	192,75
600	610,0 x 7,1	6/12/16	800	150,20	900	165,90	1000	183,20	278,80
700	711,0 x 8,0	6/12/16	900	190,10	1000	207,40	1100	226,50	379,37
800	813,0 x 8,8	6/12/16	1000	232,80	1100	251,90	1200	273,60	496,98
900	914,0 x 10,0	6/12	1100	288,70	1200	310,30	-	-	627,72
1000	1016,0 x 11,0	6	1200	346,90	-	-	-	-	776,00

PREMANT® – the benefits at a glance

- Excellent thermal insulation *
- Wide range from DN 20 to DN 1000
- Operating temperature 144° C (160°C)
- Operating pressure 25 bar
- Various foam insulation and monitoring lead systems
- Available as heating water, cooling water, sanitary water and fireproofing class pipe

- Norm EN 253, 448, 488, 489
- AGFW FW 401, 601
- ISO 9001, 14001

* PUR-foam pentane blown insulation have tremendous energy saving potential ($\lambda = 0.0260 \text{ W/mK}$)

Pipe system for the future

District heating – 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.

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.

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.

Brugg Rohrsystem AG

Industriestrasse 39
CH-5314 Kleindöttingen
phone +41 (0)56 268 78 78
fax +41 (0)56 268 78 79
pipesystems@brugg.com
www.pipesystems.com

BRUGG Rohrsysteme GmbH

Adolf-Oesterheld-Straße 31
D-31515 Wunstorf
phone +49 (0)50 31 170-0
fax +49 (0)50 31 170-170
info@brugg.de
www.brugg.de

A company of the BRUGG Group