



ATAGOR



Composite piping
systems for power
generation and industry



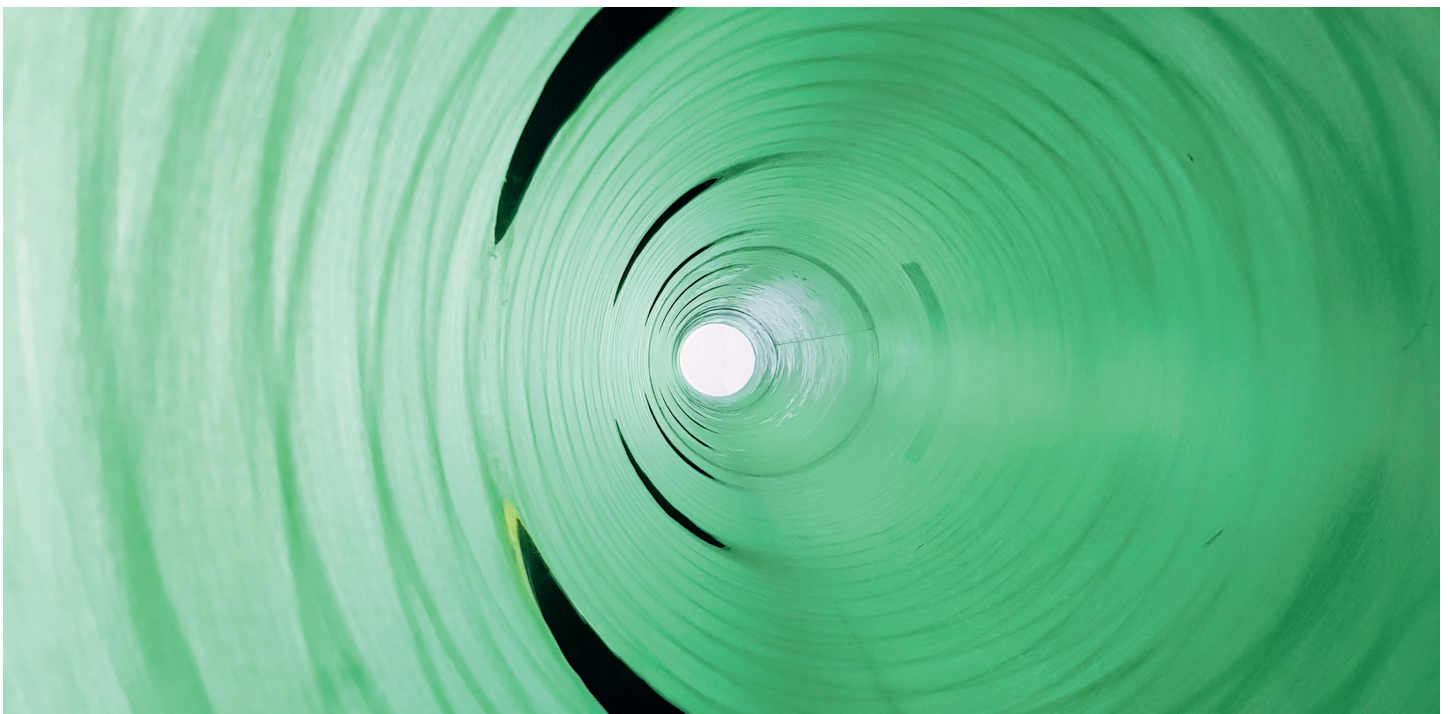
Glass Reinforced Plastics

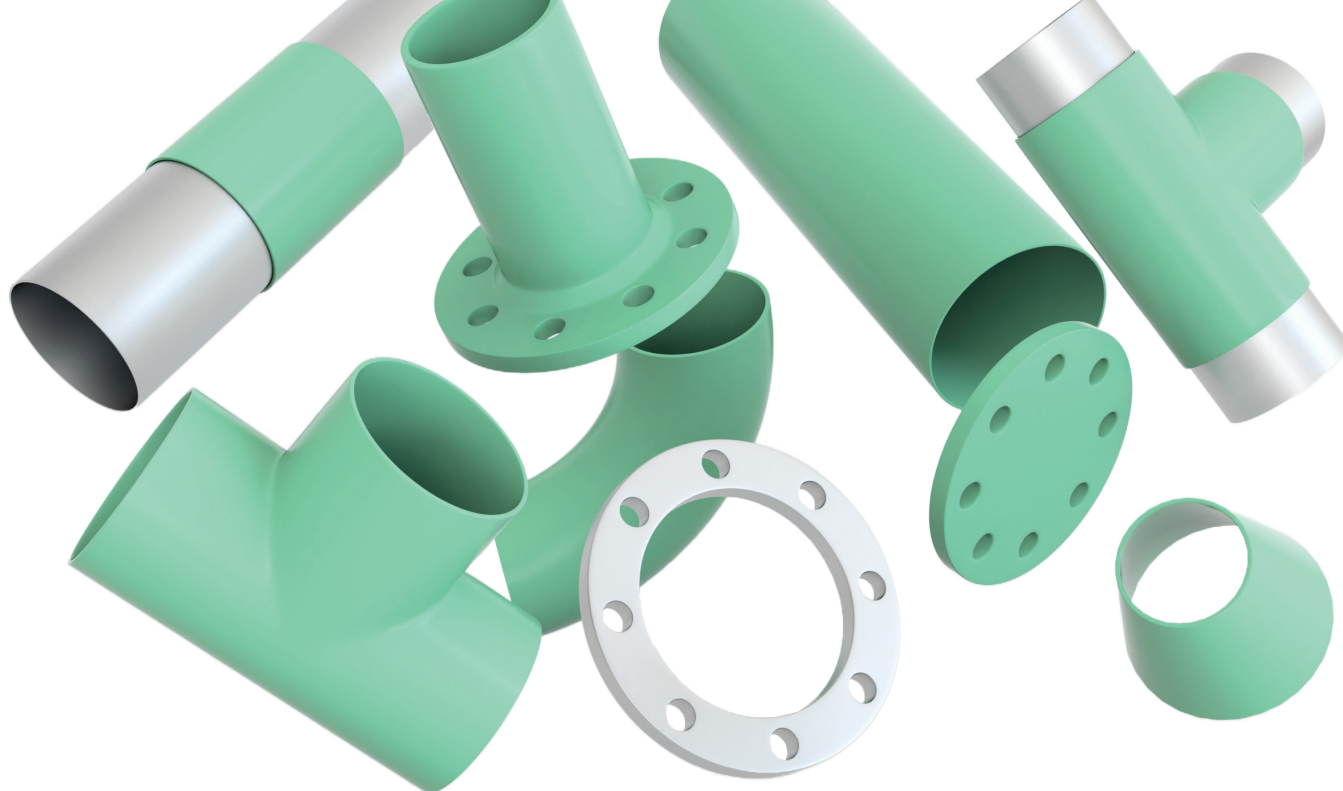
FiberFlo is a brand focused on resilient composite pipeline systems, manufactured by Atagor. It finds use in power engineering as well as in many other industries.

GRP - Glass Reinforced Plastic (also GFK - Glasfaserverkärkten Kunststoffen) is a compound material characterised by complete corrosion resistance and robust mechanical strength.

In manufacturing process we use the most modern CNC winders, that allow us to use glass fiber threads, ensuring excellent durability and low weight of the final product.

Our goal is to provide technical support alongside the whole investment or repair process, and to come up with the most effective solutions, suited to particular needs of our clients.





Contents

Benefits of GRP systems	4
GRP vs. other systems	5
Products.....	6
GRP in various industries.....	7
FiberFlo elements	9
FiberFlo systems	11
Repair materials	12
Type D pipe	14
Type E pipe	15
Type D and E 90° elbow.....	16
Type D and E flush T-piece	18
Reducing tee type D and E.....	19
Concentric and eccentric reduction type D and E	20-21
Type D and E LF spigot.....	22
Type D and E FF spigot.....	23
Connection D and E type.....	24
Stainless/steel flanges	25-27
Business profile.....	28



www.fiberflo.pl



www.atagor.com

Benefits of GRP systems



high resistance to abrasion



smooth inner surface - low pumping costs



low weight (more than four times less than steel) - low installation costs



low coefficient of linear thermal expansion - self-compensation at cross-winding up to 0.2%



resistant to high (up to 150°C) and low temperatures



chemical resistance to most gases and liquids, corrosion resistance

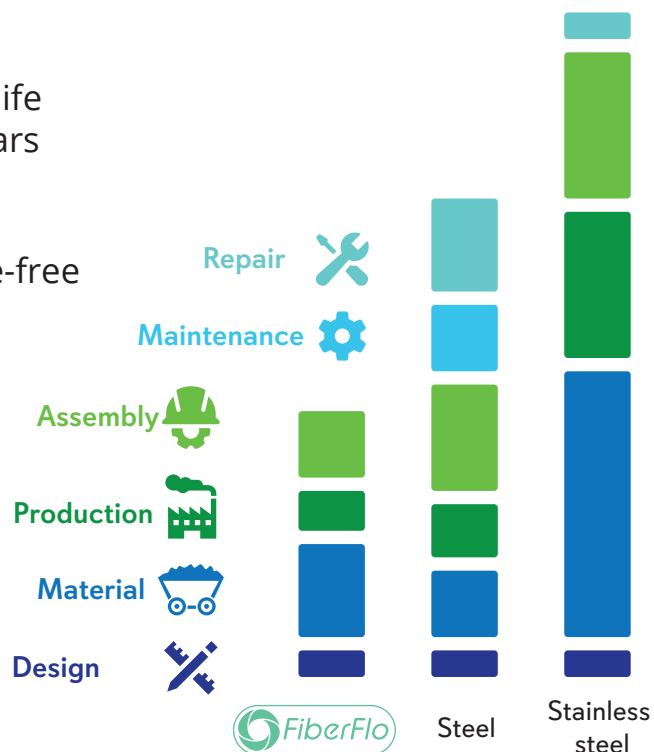


long service life - 20 to 50 years



maintenance-free (fix & forget)

Chart comparing material costs and inputs at each stage of the project ▶



GRP vs. other systems

Property	GRP	Steel	HDPE	Parameter
thermal expansion	★ ★ ★ ★	★ ★ ★ ★	★ ★ ☆ ☆	physical
heat conductivity	★ ☆ ☆ ☆	★ ★ ★ ★	★ ★ ☆ ☆	
thermal resistance	★ ★ ☆ ☆	★ ★ ★ ★	★ ☆ ☆ ☆	thermo-mechanical
modulus of elasticity (Young's)	★ ★ ★ ☆	★ ★ ★ ★	★ ☆ ☆ ☆	mechanical
tensile strength	★ ★ ★ ★	★ ★ ★ ★	★ ★ ☆ ☆	
durability on bending	★ ★ ☆ ☆	★ ★ ★ ☆	★ ☆ ☆ ☆	
impact	★ ★ ☆ ☆	★ ★ ★ ★	★ ☆ ☆ ☆	
chemical resistance	★ ★ ★ ★	★ ★ ☆ ☆	★ ★ ★ ☆	chemical
corrosion resistance	★ ★ ★ ★	★ ☆ ☆ ☆	★ ★ ★ ★	
weather resistance	★ ★ ★ ★	★ ★ ★ ☆	★ ★ ★ ★	
UV resistance	★ ★ ★ ☆	★ ★ ★ ★	★ ☆ ☆ ☆	
investment costs	★ ★ ☆ ☆	★ ★ ★ ☆	★ ★ ★ ★	cost
labor costs	★ ★ ★ ☆	★ ★ ★ ★	★ ★ ★ ★	
operating costs	★ ★ ☆ ☆	★ ★ ★ ★	★ ★ ★ ☆	

Products



Pipelines

- diameter range: DN 25 up to DN 2000
- roving woven constructional layer
- pressure range PN4-PN40
- operating temperature up to 150°C
- wide range of connections: flanged, laminated, glued, socket welding
- type D pipes in accordance with norm DIN 16965-4
- type E pipes in accordance with norm DIN 16965-5
- thermal insulation, leak monitoring



Tanks

- diameter range: DN 600 up to DN 4000
- length 500 - 12000mm
- pressurised and no pressure containers up to PN16
- vertical and horizontal oriented containers
- double jacket containers for storing hazardous materials
- spigots and connections according to project



Special products & apparatuses

- lamella apparatuses
- filters, rinsers
- absorbers, scrubbers
- pressure and pressureless apparatuses (based on the project)
- atypical diameters, bends and fittings



Pultruded profiles

- we can make any transversal profile (max. size 1000mm x 260mm) in cooperation with a client
- T-profiles, C- profiles, double-T profiles
- try brackets, rods
- daises, covers
- floor plates
- profiles for electronics

GRP in various industries



Heating & geothermal industry



Waste incineration plants



Cellulose and paper industry



Ship-building



Chemical industry



Sewage treatment plants



Electroplating



Water pumping stations



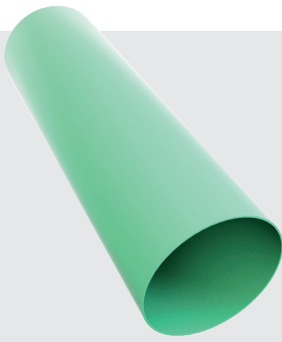
Mining

FiberFlo allows production from a variety of fibres, adapting to specific project requirements, whether you need the strength of carbon, natural flexibility of basalt or classic durability of glass. Our technology minimises environmental impact while offering exceptional technical performance.



Lamella apparatus 12m³/h, food industry, 2016

FiberFlo elements



Pipes

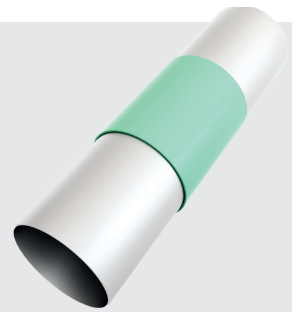
Based on polyester, vinylester or epoxy resin, reinforced with glass fiber, based on DIN 16965-4, DIN 16965-5 standard



Elbows

30°, 45°, 90°

Based on polyester or vinylester resin, reinforced with glass fiber, based on DIN 16966-2 standard



Butt joint laminate

Based on polyester or vinylester resin, reinforced with glass fiber, based on DIN 16966-8 standard



Reducers

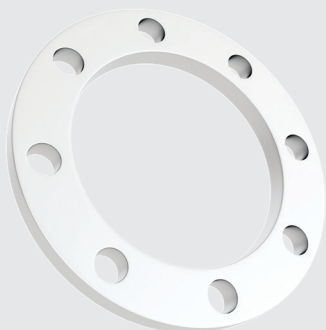
Produced based on polyester or vinylester resin, reinforced with glass fiber, based on DIN 16966-5 standard

MOST POPULAR FIBERFLO SYSTEMS



T-joints

Produced based on polyester or vinylester resin, reinforced with glass fiber, based on DIN 16966-4 standard



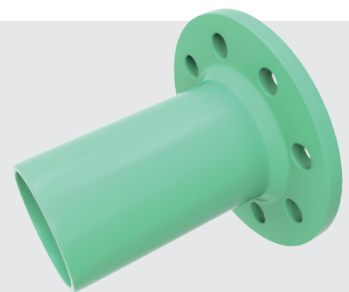
Flanges

Zinc plated or galvanized steel, stainless steel; drilling based on PN-EN 1092-1 standard



Plugs

Based on polyester or vinylester resin, reinforced with glass fiber, based on DIN 16966 standard; zinc plated or galvanized steel, stainless steel drilling based on PN-EN 1092-1 standard



Stub flanges

Produced based on polyester or vinylester resin, reinforced with glass fiber. Loose type (LF) based on DIN 16966-6 (B2) standard and fixed type (FF - V3) based on DIN 16966-6 standard, drilling based on PN-EN 1092-1 standard



Thermal Waste Disposal Plant PN10, 2017-2018

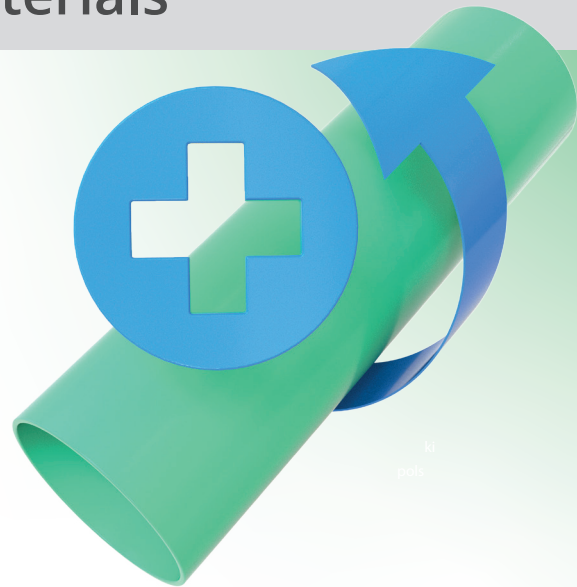
FiberFlo systems

Name	Application	Description
System FiberFlo A	Water, salt solutions, sewage, non-aggressive gases	According to DIN 16965-1 and DIN 16965-4 norm type A - system of laminates with 1mm of chemical resistant layer and constructional layer – cross-woven rowing with 60±5% glass fiber and 40±5% resin content
System FiberFlo D	Resistant to almost every single chemical substance except concentrated oxidized acids and chlorofenols	Type D is a system according to DIN 16965-4 with a chemically resistant layer of min. 2.5mm with glass content 25±5%, resin content 75±5%. Structural layer for pipes: glass content 60±5%, resin content 40±5%. Structural layer for fittings: glass content 35-55%, resin content 45-65%
System FiberFlo DSIC	Slimes, for example: gypsum suspension, water with sand and pneumatic transport, flue gas desulphurisation	Constructed just like fiberflow system D. Additionally 30% of the resin mix contains silicone carbide (SiC), for additional abrasive protection
System FiberFlo E	Resistant to almost every single chemical substance except concentrated oxidized acids and chlorofenols. Usually used for aggressive chemicals such as chlorine, ozone and liquids saturated with those gases	System according to DIN 16965-5 with a chemical-resistant layer of min. 2.5mm with glass content 30±5%, resin content 70±5%. Structural layer: up to a thickness of 6.5mm made exclusively with glass mats, glass content 35-55%, resin content 45-65%

Repair materials

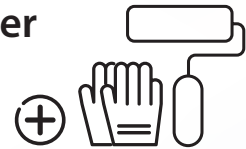


SYSTEM REPAIR KIT



System components

- | | | |
|--------------------|------------------------|-----------------------|
| 1 FF Mat | 4 FF Resin | 7 FF Polyester |
| 2 FF Roving | 5 FF Hardener | 8 Filler |
| 3 FF Veil | 6 FF Accelerant | 9 Acetone |



For the repair of minor mechanical damage, leaks and cracks in GRP components.

- Restores the structural integrity of the pipeline
- Kits are prepared for the specific diameter
- Enable quick and effective restoration

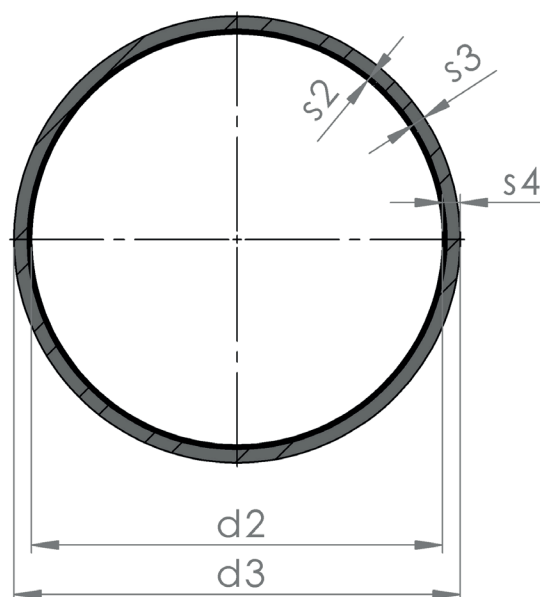
DIMENSIONS OF THE REPAIR KITS

Pressure	PN1,6 [bar]		PN2,5 [bar]		PN4 [bar]		PN6 [bar]		PN10 [bar]		PN16 [bar]		PN40 [bar]	
Diameter DN	thickness [mm]	length [mm]	thick. [mm]	length [mm]	thick. [mm]	length [mm]	thick. [mm]	length [mm]	thick. [mm]	length [mm]	thick. [mm]	length [mm]	thick. [mm]	length [mm]
25	4,0	110	4,0	110	4,0	110	4,0	110	4,0	110	4,0	110	4,0	110
32	4,0	110	4,0	110	4,0	110	4,0	110	4,0	110	4,0	110	4,0	110
40	4,0	110	4,0	110	4,0	110	4,0	110	4,0	110	4,0	110	4,0	110
50	4,0	110	4,0	110	4,0	110	4,0	110	4,0	110	4,0	110	4,0	110
65	4,0	110	4,0	110	4,0	110	4,0	110	4,0	110	4,5	110	4,5	110
80	4,0	110	4,0	110	4,0	110	4,0	110	4,0	110	5,0	120	5,0	120
100	4,0	110	4,0	110	4,0	110	4,0	110	4,0	110	6,5	140	6,5	140
125	4,0	110	4,0	110	4,0	110	4,0	110	5,0	110	8,0	175	8,0	175
150	4,0	110	4,0	110	4,0	110	4,0	110	6,0	130	9,5	210	9,5	210
200	4,0	110	4,0	110	4,0	110	4,5	110	8,0	165	13,0	280	13,0	280
250	4,0	110	4,0	110	4,0	110	6,0	125	10,0	205	16,0	345	16,0	345
300	4,0	110	4,0	110	4,5	110	7,0	150	11,5	250	19,0	415	19,0	415
350	4,0	110	4,0	110	5,5	115	8,0	170	13,5	290	22,0	460	22,0	460
400	4,0	110	4,0	110	6,0	130	9,0	200	15,5	330	25,0	550	25,0	550
500	4,0	110	5,0	110	7,5	160	11,5	240	19,5	410	31,5	685	31,5	685
600	4,0	110	6,0	120	9,0	190	14,0	290	23,0	480	38,0	745	38,0	745

Geothermal-biomass heat plant PN16, 2023



Type D pipe



d2 - internal pipe diameter

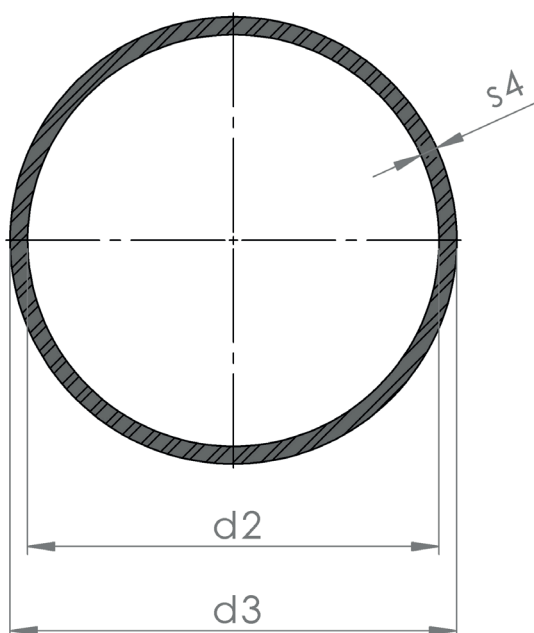
d3 - external pipe diameter

s3 - chemical-resistant layer, min. 2,5mm

s4 - s2 + s3

Diameter DN	Length [mm]	Thickness s4 with chemical resistant layer s2=2.5mm	
		Pressure PN16 [mm]	Pressure PN10 [mm]
25	2500	4,4	4,4
32	2500	4,4	4,4
40	2500	4,4	4,4
50	2500	4,4	4,4
65	3000	4,4	4,4
80	5000	4,4	4,4
100	6000	4,4	4,4
125	6000	4,4	4,4
150	6000	4,6	4,4
200	6000	5,3	4,4
250	6000	5,9	4,7
300	6000	6,6	5,1
350	6000	7,3	5,5
400	6000	8,0	5,9
500	6000	9,3	6,8
600	6000	10,7	7,6
1400	6000	21,5	14,3
2000	6000	29,6	19,4

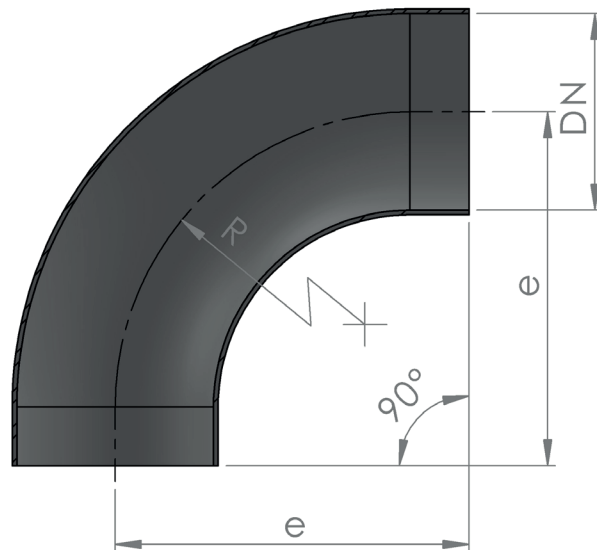
Type E pipe



d2 - internal pipe diameter
d3 - external pipe diameter
s4 - wall thickness

Diameter	Length [mm]	Thickness s4 with chemical resistant layer s2=2.5mm				
		Pressure PN16 [mm]	Pressure PN10 [mm]	Pressure PN6 [mm]	Pressure PN4 [mm]	Pressure PN2,5 [mm]
25	2500	5,0	5,0	5,0	5,0	5,0
32	2500	5,0	5,0	5,0	5,0	5,0
40	2500	5,0	5,0	5,0	5,0	5,0
50	2500	5,0	5,0	5,0	5,0	5,0
65	3000	5,1	5,0	5,0	5,0	5,0
80	5000	6,1	5,0	5,0	5,0	5,0
100	6000	7,3	5,0	5,0	5,0	5,0
125	6000	8,9	5,9	5,0	5,0	5,0
150	6000	10,5	6,8	5,0	5,0	5,0
200	6000	13,6	8,7	5,6	5,0	5,0
250	6000	16,8	10,7	6,7	5,0	5,0
300	6000	19,9	12,6	7,9	5,5	5,0
350	6000	23,1	14,5	9,0	6,3	5,0
400	6000	26,2	16,4	10,1	7,1	5,0
500	6000	32,5	20,3	12,4	8,6	5,7
600	6000	-	24,1	14,7	10,1	6,6
1400	6000	-	-	32,9	22,1	14,1
2000	6000	-	-	-	31,1	19,7

Type D and E 90° elbow

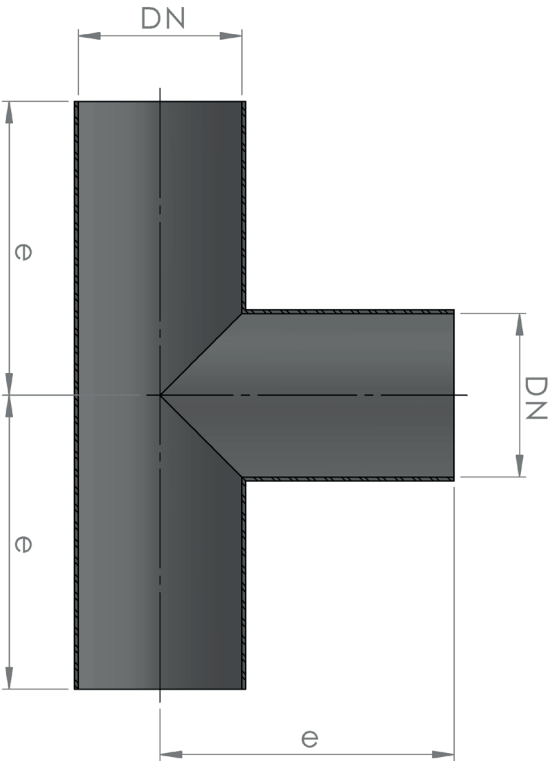


Diameter DN	e [mm]	Radius [mm]
25	110	37,5
32	130	48
40	150	60
50	180	75
65	140	97,5
80	165	120
100	205	150
125	245	187,5
150	285	225
200	365	300
250	450	375
300	525	450
350	600	525
400	680	520
500	830	630
600	950	720

Geothermal heat plant PN16, 2022-2023



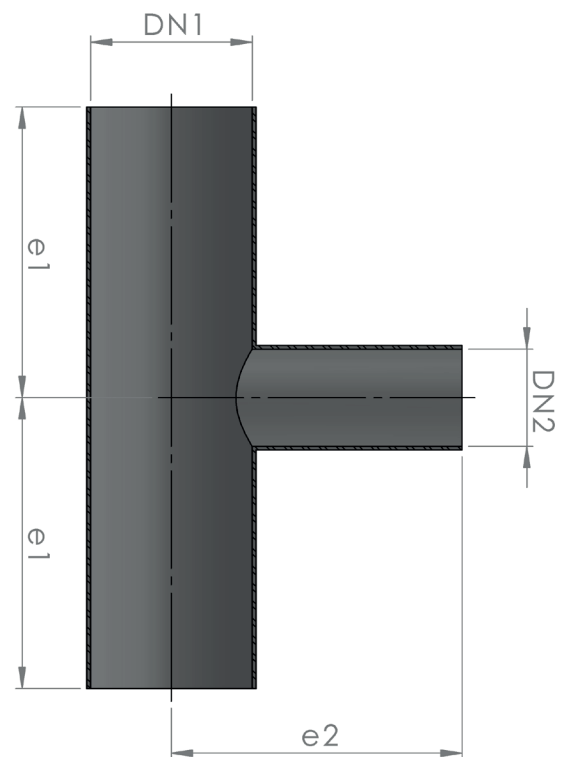
Type D and E flush T-piece



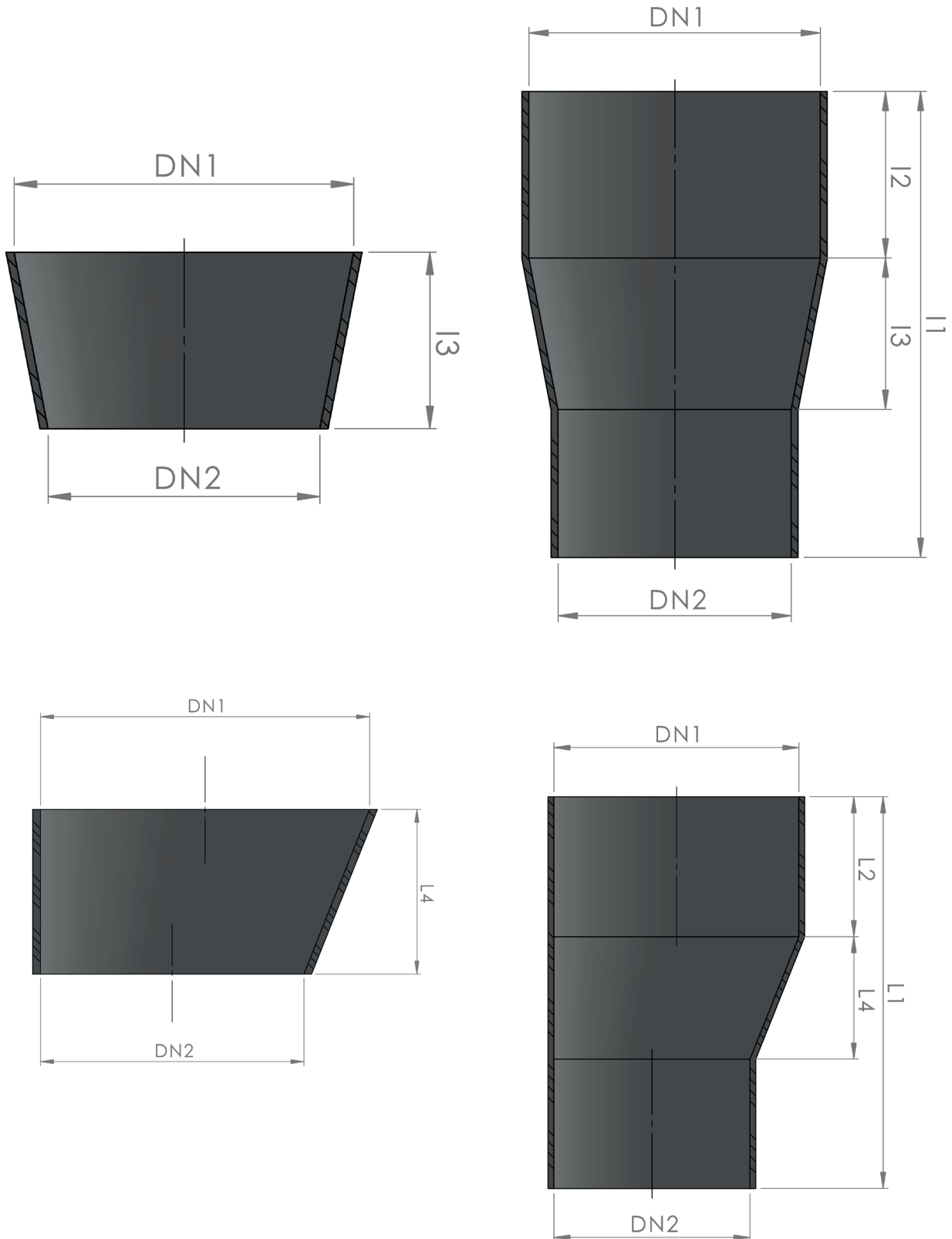
Diameter DN	e [mm]	
		Tolerance
25	110	0, -2
32	130	
40	150	
50	180	
65	140	
80	165	
100	205	
125	245	
150	285	
200	365	0, -3
250	450	
300	525	
350	600	
400	680	
500	830	
600	950	0, -4

Reducing tee type D and E

Diameter DN1		Diameter DN2		e1 [mm]	e2 [mm]	Tolerance
	TOL		TOL			e1, e2
32	±0,5	25	±0,5	130	170	0, -2
40		25		150	175	
		32				
50		25		180	180	
		32				
		40				
65		32		140	190	
		40				
		50				
		40				
80		50	±0,5	165	195	
	±1	65				0, -3
		50		205	205	
100		65				
		80				
		65				
125		80		245	270	
		100				
		80				
		100				
150		100	±1	285	240	
	±1,5	125			290	0, -4
		100			260	
200		125		365	310	
		150				
		125				
250		150	±1	450	340	
	±2	200				0, -3
		150			360	
300		200		525	365	
		250			415	
		200			395	
350		250		600	445	
		300				
		250				
400		300	±1,5	680	470	
	±2	350			520	0, -4
		300			525	
500		350		830	575	
		400				
		350				
600		400		950	620	
		500			670	
			±2			



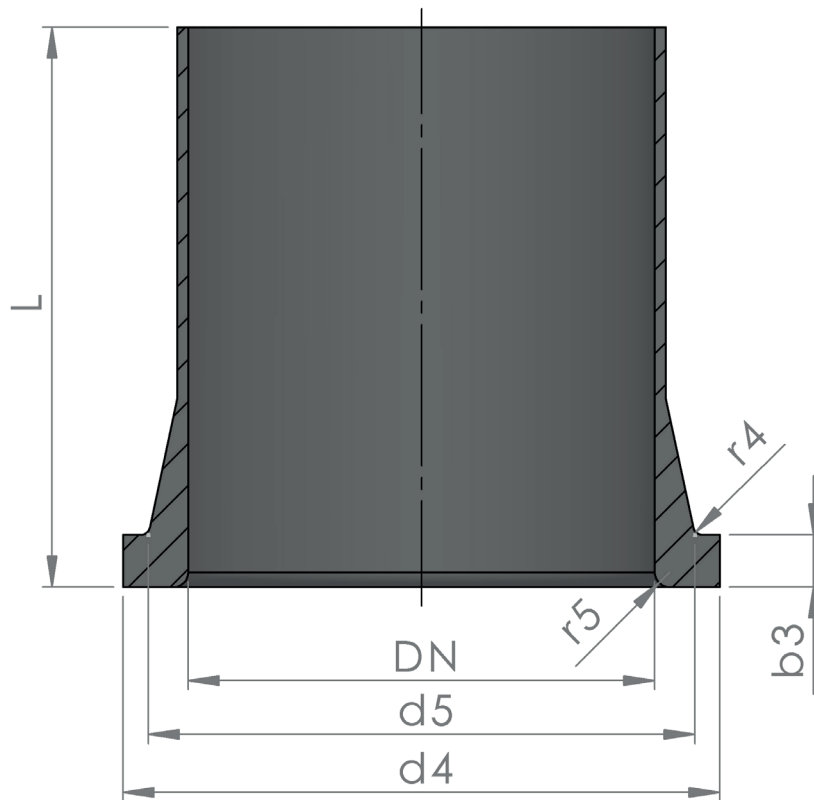
Concentric and eccentric Reduction type D and E



Concentric and eccentric reduction type D and E

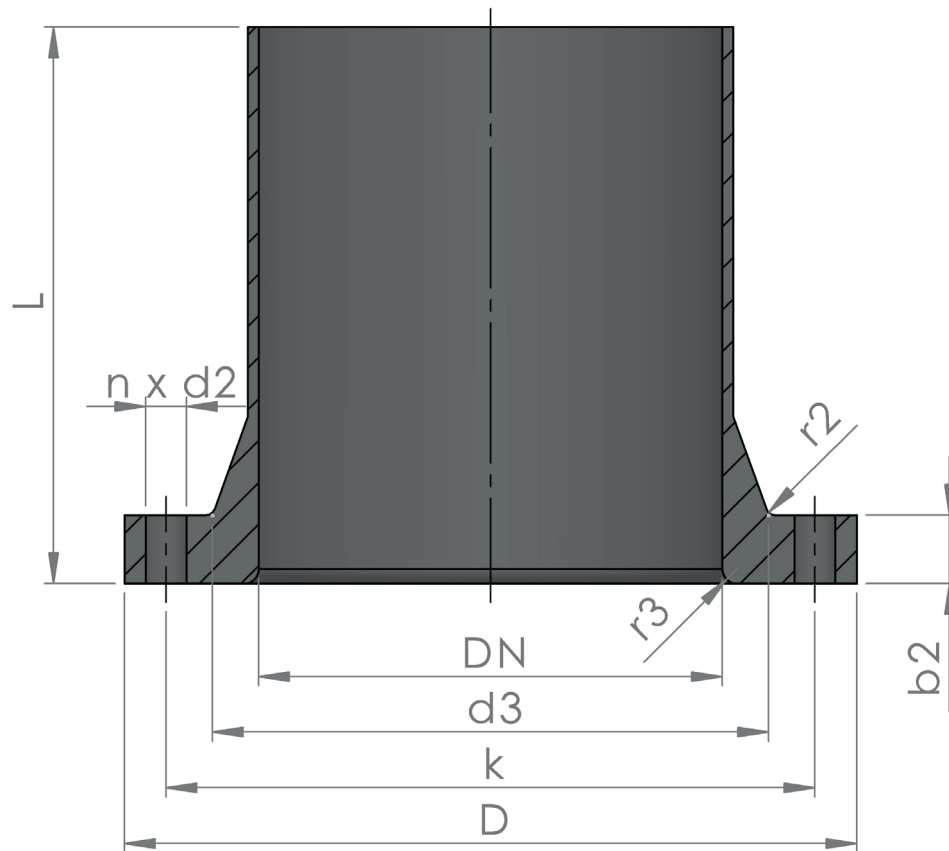
Diameter DN1		Diameter DN2		I1 [mm]	I2 [mm]	I3 [mm]	I4 [mm]	TOL
	TOL		TOL					I1 do I4
32	±0,5	25	±0,5	180	85	20	20	0, -2
40		25		205	85	40	40	
		32		200		20	20	
50		25		235	85	65	60	
		32		230		45	45	
		40		205		25	25	
65		32		260	85	85	80	
		40		235		65	60	
		50		210		40	40	
80		40		275	85	105	100	
		50		245		75	75	
		65		210		40	35	
100		50		325	110	130	125	
		65		285		90	85	
		80		250		50	50	
125		65		350	110	155	150	
		80		310		115	110	
		100		285		65	60	
150	80	375	110	180	175			
	100	350		130	125			
	125	310		65	60			
200	100	495	127	255	245	0, -3		
	125	430		195	185			
	150	370		130	125			
250	125	575	143	320	310			
	150	510		255	245			
	200	400		130	125			
300	150	655	158	385	370			
	200	540		255	245			
	250	435		130	125			
350	200	665	150	385	370			
	250	550		255	245			
	300	440		130	125			
400	250	695	166	385	370			
	300	580		255	245			
	350	450		130	125			
500	300	865	191	515	495		0, -4	
	350	730		385	370			
	400	615		255	245			
600	350	980	181	645	620			
	400	865		515	495			
	500	630		255	245			

Type D and E LF spigot



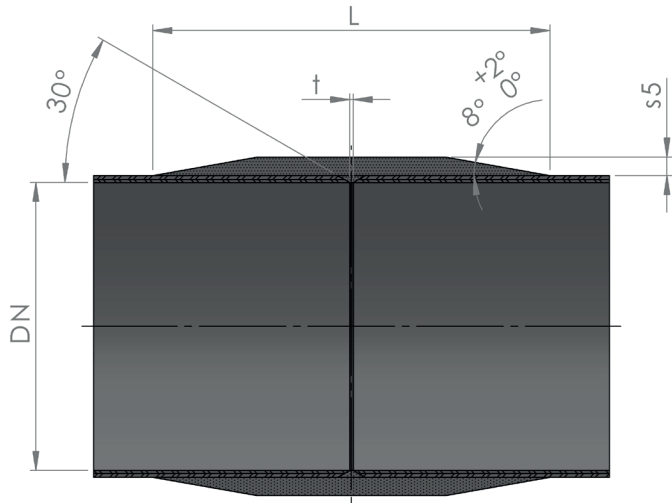
Diameter DN	Pressure [PN, bar]	d4 [mm]		d5 [mm]		b3 [mm]	r4 [mm]	r5 [mm]	L [mm]
						+2	+0,25	+1	
			TOL		TOL	0	0	0	
25	16	68	+0,5, 0	50	0, -0,5	12	3	3	200
32		78		58		14			200
40		88		68		14			200
50		102		82		14			200
65	10	122	+0,5, 0	95	0, -0,5	15	4	5	200
80		138		111		16			200
100		158		133		18			200
125		188		160		20			200
150	6	212	+1, 0	188	0, -1	22	5	8	200
200		268		237		25			250
250		320		293		28			300
300		370		343		30			350
350	4	430	+1, 0	387	0, -1,5	32	6	8	400
400		482		441		35			450
500		585		544		38			550
600	2,5	685	+1,5, 0	648	0, -1,5	45	7		650

Type D and E FF spigot

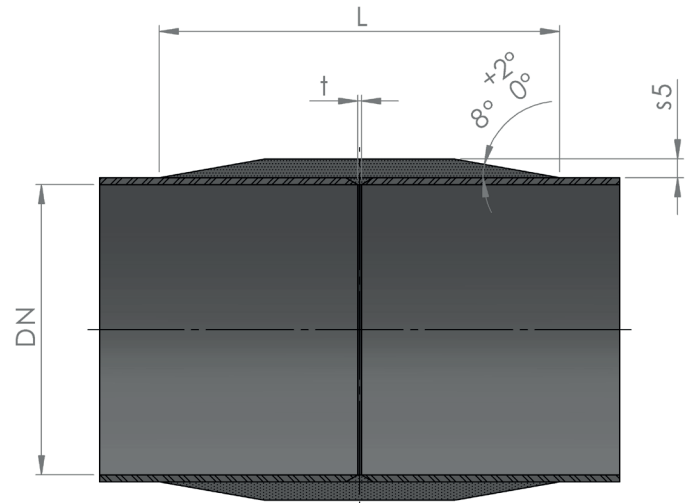


Diameter DN	Pressure [PN, bar]	D [mm]		d2 [mm]	n [quantity]	d3 [mm]		k [mm]		b2 [mm]		r2 [mm]	r3 [mm]	L [mm]
												+0,5	+1	
			Tol.				Tol.		Tol.		Tol.	0	0	
25	16	115	±1	14	4	50	±1	85	±1,6	14	+2, 0	3	3	200
32		140		18		58		100		15				200
40		150				68		110		16				200
50		165				82		125		18				200
65	10	185	±1	18	8	95	±1	145	±1,6	20	+2, 0	4	4	200
80		200				111		160		22				200
100		220				133		180		24				200
125		250				160		210		27				200
150	6	285	±1	22	12	188	±1	240	±1,6	30	+3, 0	5	8	200
200		340				245		295		33				250
250		395				300		350		37				300
300		445				350		400		42				350
350	4	505	±3	26	16	410	±2	460	±1,6	40	+4, 0	6	8	400
400		565				460		515		44				450
500		670				565		620		49				550
600		2,5				780		±5		30				20

Connection D and E type



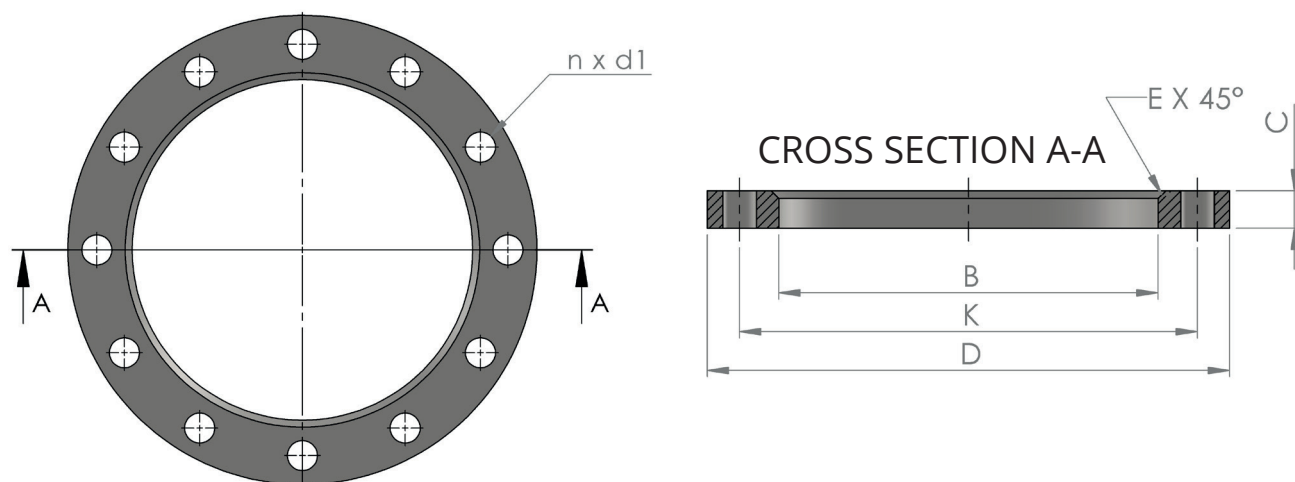
„D” Type



„E” Type

Diameter DN	t [mm]	Pressure PN16		Pressure PN10		Pressure PN6		Pressure PN4		Pressure PN2,5		Pressure PN1,6	
		s5 [mm]	L [mm]	s5 [mm]	L [mm]	s5 [mm]	L [mm]	s5 [mm]	L [mm]	s5 [mm]	L [mm]	s5 [mm]	L [mm]
25	0,5	4,0	110	4,0	110	4,0	110	4,0	110	4,0	110	4,0	110
32	0,5	4,0	110	4,0	110	4,0	110	4,0	110	4,0	110	4,0	110
40	0,5	4,0	110	4,0	110	4,0	110	4,0	110	4,0	110	4,0	110
50	0,6	4,0	110	4,0	110	4,0	110	4,0	110	4,0	110	4,0	110
65	0,7	4,5	110	4,0	110	4,0	110	4,0	110	4,0	110	4,0	110
80	0,8	5,0	120	4,0	110	4,0	110	4,0	110	4,0	110	4,0	110
100	0,9	6,5	140	4,0	110	4,0	110	4,0	110	4,0	110	4,0	110
125	1,0	8,0	175	5,0	110	4,0	110	4,0	110	4,0	110	4,0	110
150	1,1	9,5	210	6,0	130	4,0	110	4,0	110	4,0	110	4,0	110
200	1,3	13,0	280	8,0	165	4,5	110	4,0	110	4,0	110	4,0	110
250	1,6	16,0	345	10,0	205	6,0	125	4,0	110	4,0	110	4,0	110
300	1,8	19,0	415	11,5	250	7,0	150	4,5	110	4,0	110	4,0	110
350	2,0	22,0	460	13,5	290	8,0	170	5,5	115	4,0	110	4,0	110
400	2,0	25,0	550	15,5	330	9,0	200	6,0	130	4,0	110	4,0	110
500	2,0	31,5	685	19,5	410	11,5	240	7,5	160	5,0	110	4,0	110
600	2,7	38,0	745	23,0	480	14,0	290	9,0	190	6,0	120	4,0	110

Stainless/steel flanges



Nominal diameter	Outer diameter	Diameter of hole placement	Hole diameter	Screws		Internal diameter	Thickness	Phase
DN	D	K	d1	n	M	B	C	E
PN6								
25	100	75	11	4	M10	50,5	14	3,5
32	120	90	14	4	M12	58,5	16	3,5
40	130	100	14	4	M12	68,5	16	3,5
50	140	110	14	4	M12	82,5	16	3,5
65	160	130	14	4	M12	95,5	16	3,5
80	190	150	18	4	M16	111,5	18	3,5
100	210	170	18	4	M16	133,5	18	4,5
125	240	200	18	8	M16	160,5	20	4,5
150	265	225	18	8	M16	188,5	20	4,5
200	320	280	18	8	M16	238	22	6
250	375	335	18	12	M16	294	24	6
300	440	395	22	12	M20	344	24	6
350	490	445	22	12	M20	388	26	7
400	540	495	22	16	M20	442	28	7
500	645	600	22	20	M20	545	30	7
600	755	705	26	20	M24	650	32	8

Stainless/steel flanges

Nominal diameter	Outer diameter	Diameter of hole placement	Hole diameter	Screws		Internal diameter	Thickness	Phase
DN	D	K	d1	n	M	B	C	E
PN10								
25	check at PN40							
32								
40								
50	check at PN40							
65								
80								
100								
125								
150								
200	340	295	22	8	M20	238	24	6
250	395	350	22	12	M20	294	26	6
300	445	400	22	12	M20	344	26	6
350	505	460	22	16	M20	388	28	7
400	565	515	26	16	M24	442	32	7
500	670	620	26	20	M24	545	38	7
600	780	725	30	20	M27	650	42	8

Nominal diameter	Outer diameter	Diameter of hole placement	Hole diameter	Screws		Internal diameter	Thickness	Phase
DN	D	K	d1	n	M	B	C	E
PN16								
25	check at PN40							
32								
40								
50	165	125	18	4	M16	82,5	19	3,5
65	185	145	18	4	M16	95,5	20	3,5
80	200	160	18	8	M16	111,5	20	3,5
100	220	180	18	8	M16	133,5	22	4,5
125	250	210	18	8	M16	160,5	22	4,5
150	285	240	22	8	M20	188,5	24	4,5
200	340	295	22	12	M20	238	26	6
250	405	355	26	12	M24	294	29	6
300	460	410	26	12	M24	344	32	6
350	520	470	26	16	M24	388	35	7
400	580	525	30	16	M27	442	38	7
500	715	650	33	20	M30	545	46	7
600	840	770	36	20	M33	650	52	8

Stainless/steel flanges

Nominal diameter	Outer diameter	Diameter of hole placement	Hole diameter	Screws		Internal diameter	Thickness	Phase
DN	D	K	d1	n	M	B	C	E
PN25								
25	check at PN40							
32								
40								
50								
65								
80								
100								
125								
150								
200	360	310	26	12	M24	238	32	6
250	425	370	30	12	M27	294	35	6
300	485	430	30	16	M27	344	38	6
350	555	490	33	16	M30	388	42	7
400	620	550	36	16	M33	442	46	7
500	730	660	36	20	M33	545	56	7
600	845	770	39	20	M36	650	68	8

Nominal diameter	Outer diameter	Diameter of hole placement	Hole diameter	Screws		Internal diameter	Thickness	Phase
DN	D	K	d1	n	M	B	C	E
PN40								
25	115	85	14	4	M12	50,5	16	3,5
32	140	100	18	4	M16	58,5	18	3,5
40	150	110	18	4	M16	68,5	18	3,5
50	165	125	18	4	M16	82,5	20	3,5
65	185	145	18	8	M16	95,5	22	3,5
80	200	160	18	8	M16	111,5	24	3,5
100	235	190	22	8	M20	133,5	26	4,5
125	270	220	26	8	M24	160,5	28	4,5
150	300	250	26	8	M24	188,5	30	4,5
200	375	320	30	12	M27	238	36	6
250	450	385	33	12	M30	294	42	6
300	515	450	33	16	M30	344	48	6
350	580	510	36	16	M33	388	54	7
400	660	585	39	16	M36	442	60	7
500	755	670	42	20	M39	545	72	7
600	890	795	48	20	M45	650	84	8

Business profile

Since over 20 years Atagor provides the best technologies proven in field, based on highly advanced material engineering. We aim at perfecting materials and techniques in order to cover and protect steel surfaces. It is our continuous endeavor to develop innovative technologies of transportation of gases, fluids and even solids by specially designed pipelines made of fiber-reinforced resins.

We continuously dare to introduce hi-tech, ground-breaking innovations, putting it to thorough tests before making it available to our clients. Over last years we implemented many game-changing technologies, pioneering in Central Europe, and at times, worldwide. We work closely with our business partners, which allows for mutual inspiration and benefit. Our aim is to conserve energy, resources and take care of environment. We invite also You to do it together!



We offer:

1. **Individually tailored product** – considering temperature, pressure, and used medium allows us to recommend the best pipeline for particular scenario
2. **Design and consultancy** – we offer help on the design stage, rooted in our rich experience, based on standards or particular tests and calculations.
3. **Additional elements** – if needed we can provide spacers, supports, additional coatings, anchoring and other elements necessary within the infrastructure of the pipeline. We also provide pipes with pre-insulation
4. **Installation training on site** – for your installation crews and supervisors
5. **Installation service** – we can take meticulous care of on-site installation

Cooling tower distribution systems, DN600, 2022



Geothermal-biomass heat plant, PN16, 2023





*Mewa Moulins, France
Process plant for water/oil separator, PN10, DN200, 2018-2019*



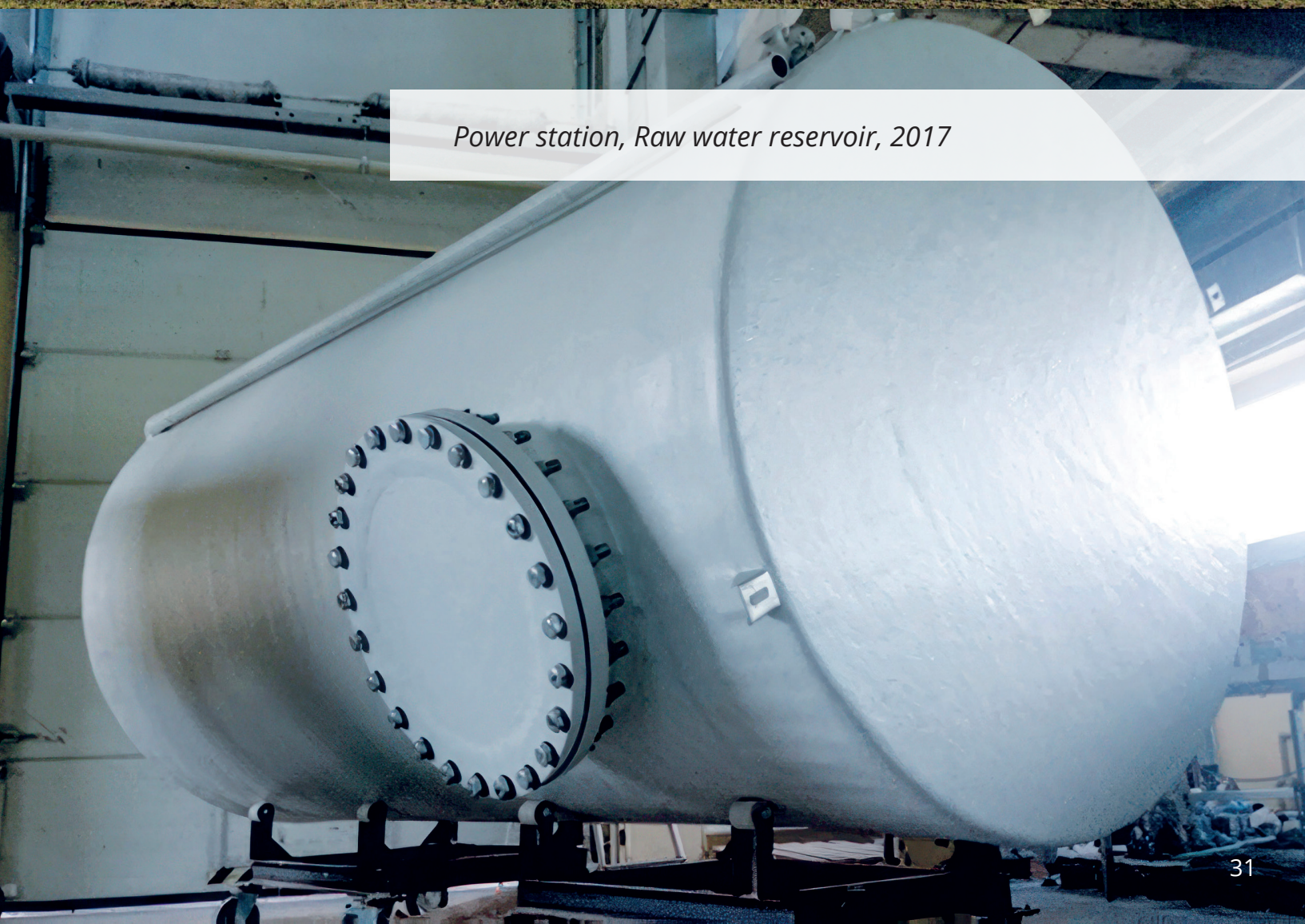
Geothermal pipeline, DN150, PN16, 2024

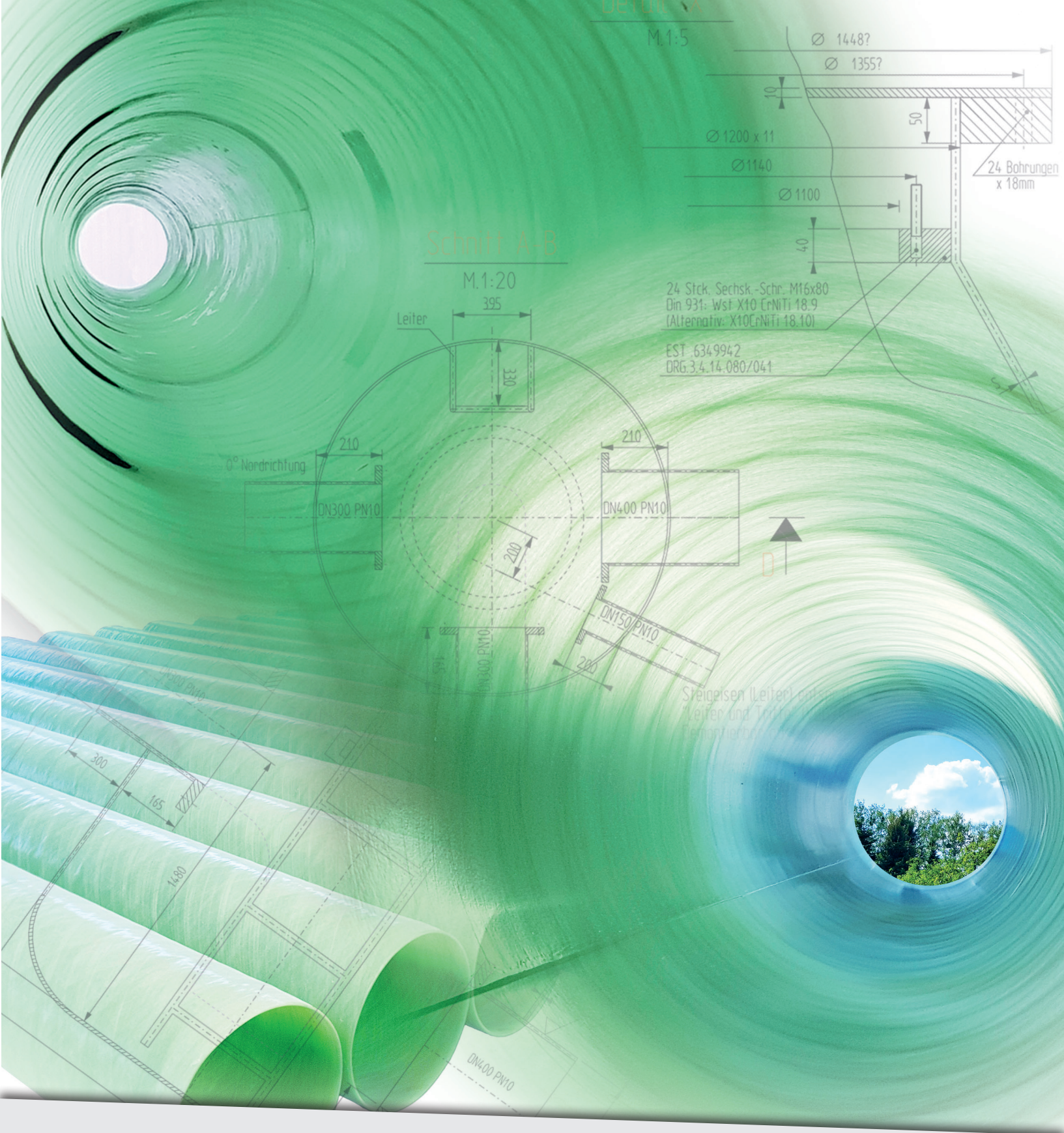
DRAX Power Station, UK. FGD installations.

Supply of pipes and fittings with enhanced anti-abrasion resistance, 2016-2017



Power station, Raw water reservoir, 2017





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