

QUICK-DETACHABLE

CONSTRUCTIONS

pipewool.pw

ABOUT COMPANY

2

The plant of thermal insulation materials was established in 2009. Our goal is to offer the buyer innovative solutions in the field of non-flammable thermal insulation materials adapted to Russian conditions. We have been looking for an optimal heat insulator for a long time, combining efficiency, environmental cleanliness, resistance to temperature changes and humidity. The decision was in favor of mineral wool based on basalt rocks, which fully meets all modern requirements!

UNIQUE PRODUCTION TECHNOLOGIES.

Thanks to the accumulated experience and long-term developments, in 2011 we created our own production of thermal insulation cylinders and components made of mineral wool under the trademark PIPEWOOL. Our products have excellent performance characteristics, as evidenced by certificates of conformity and quality certificates. We are constantly increasing production, expanding the range and striving to reduce the cost of production, introducing the latest technologies and ultra-precise automatic equipment. Our specialists are able to organize the production of insulation for pipes and additional elements of any configuration for the rapid construction of non-standard thermal insulation structures.

We work using original patented technologies developed by our leading engineers.

WHAT MAKES US DIFFERENT FROM OTHERS?

PROFESSIONAL TEAM.

Our company employs specialists with extensive experience who will help you make the right choice taking into account your needs.

IMPECCABLE SERVICE.

We appreciate your time, so your order will be placed and executed as soon as possible. We have hundreds of successfully completed projects of various complexity and many satisfied customers in our piggy bank. But the main reward for us is your trust, as well as recommendations to your friends!

REASONABLE PRICES.

Our own production of thermal insulation cylinders and shaped elements allows us to independently set favorable prices for products, as well as offer wholesale customers discounts of up to 30%.

ORGANIZATION OF DELIVERY.

Thanks to the logistics department, convenient location near the federal highway, we are able to ensure timely delivery of goods to any point in Russia with the lowest costs. No force majeure circumstances!

Modern production of insulation for pipes, unique technologies and high quality of products are the main advantages of ZTM LLC.

We are ready to become your reliable partner! Contact us today!
We are expanding our dealer network, offering very favorable conditions for cooperation!

QUICK-DETACHABLE CONSTRUCTIONS

- 5 Straight section
- 7 Elbows
- 9 Transitions
- 11 Tees
- 13 Insets
- 15 Plugs and Diaphragm
- 17 Boxes for Flange and Armature
- 20 Zeppelins

QUICK-DETACHABLE CONSTRUCTIONS FOR TANKS

- 22 Spherical tanks
- 24 Capacitive tanks

THERMAL INSULATION MADE OF BASALT WOOL
in a separate catalog

PROTECTIVE SHELLS
in a separate catalog

TECHNICAL SHEETS
in a separate catalog

MOUNTS AND ACCESSORIES
in a separate catalog

LOCKS
in a separate catalog

Quick-detachable constructions Pipewool



QDC - quick-detachable construction consists of a thermal insulation layer made of basalt rock mineral wool and a protective shell made of thin-sheet metal, designed to protect and isolate pipelines, shaped elements of pipelines, pipeline fittings, tanks, separators and other technological equipment to which periodic access is required, including pipeline welds, maintenance of flange connections, pipeline fittings and for periodic monitoring of technological equipment.

QDC is a metal product with a thermal insulation layer completely ready for installation. According to the technical specification of the customer, thermal insulation can be made of several layers (of different stiffness, different thickness, etc.), with the use of vapor barrier materials (aluminum foil 40 microns), the outer protective layer of sheet metal is made with the necessary zigs and special cap locks and hinges, for rigid and reliable fixation. Each order is processed, calculated individually according to the project or the customer.

EXTERNAL COATING

- Galvanized steel (Zn): galvanized steel LKPOC (paint coating of cold-rolled hot-dip galvanized rolled products) with a thickness of 0.45 to 1.00 mm is designed for use outdoors and in rooms that directly interact with the environment;
- Aluminum (Al): AD1N grade aluminum with a thickness of 0.80 mm has a low density, therefore it is easy and convenient to install. An irreplaceable property of aluminum is its plasticity, which makes aluminum the main material for insulation of pipeline systems;
- Stainless steel (St): AISI 304 stainless steel with a thickness of 0.50 mm has excellent corrosion resistance in many environments and in contact with various aggressive influences.
- It is possible to paint in different colors at the request of the customer.

FASTENING

- Locks made of galvanized steel (Zn). They are used for quick installation without the use of additional tools.
- Quick-release clamps consist of a lock and a galvanized steel tape.
- Self-tapping screws or rivets.

TYPE OF THERMAL INSULATION

Thermal insulation layer made of mineral wool of basalt rocks.

TECHNICAL PROPERTIES

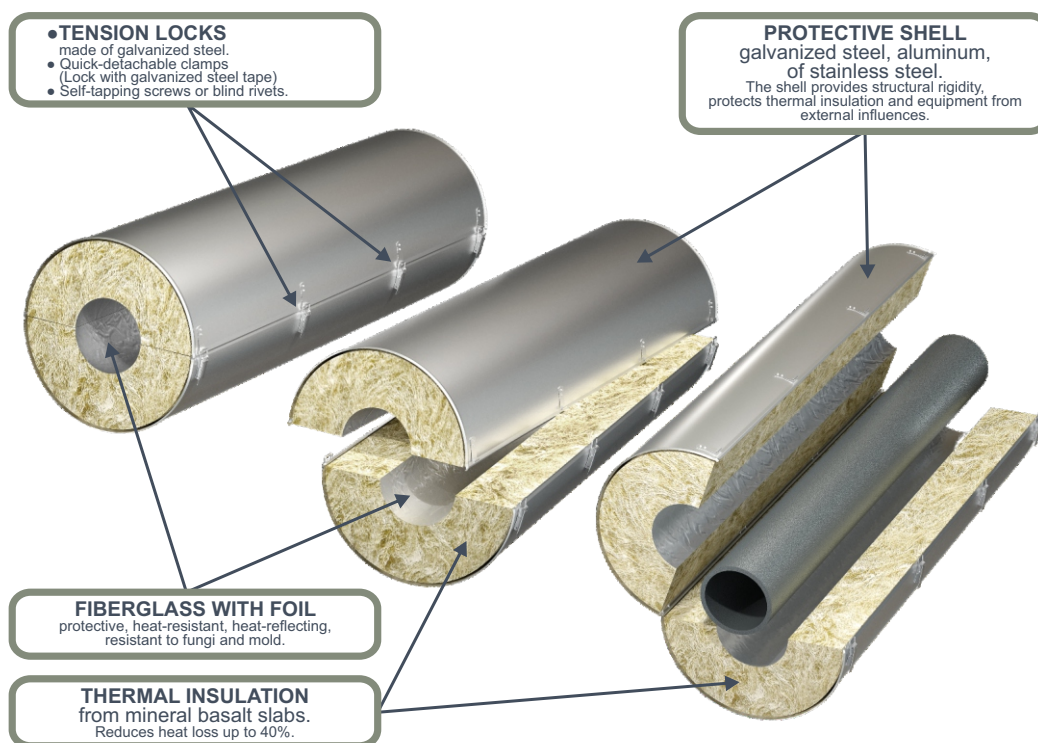
- Use temperature: from -80°C to +400°C
- Marking of insulation 80; 100; 120; 150
- Fire hazard class: NON-FLAMMABLE
- Application: Indoor / Outdoor
- Thermal conductivity from 0.035 W/mS
- Insulation thickness of 20 mm or more according to the design solution in accordance with SP 61.13330.2012

PHYSICAL PROPERTIES

- Thermal insulation and noise insulation
- Mold resistance
- Resistance to acids and alkalis
- Non-flammable
- Abrasion resistance
- UV resistance

Quick-detachable constructions Pipewool

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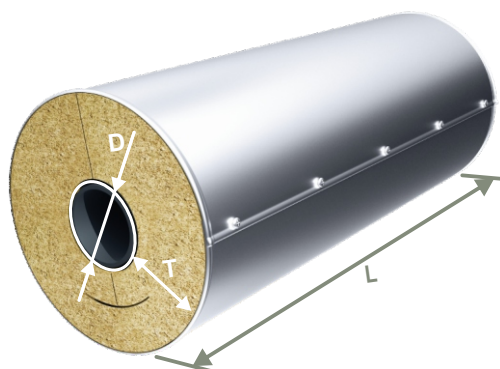


QDC STRAIGHT SECTION PIPEWOOL

■ - Straight section

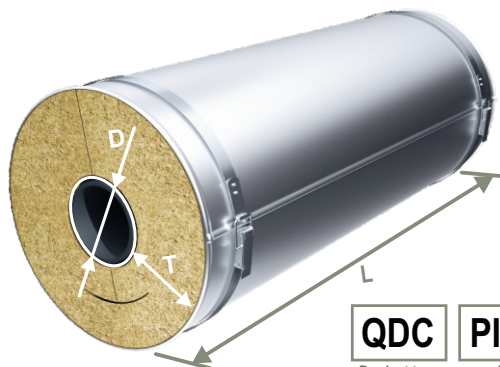
Execution of thermal insulation ○ - Cylinders ○ - Semi-cylinders ○ - Segmental

Type of segment connections



Marking of insulation (M)	80; 100; 120; 150; 200		
Thermal insulation thickness (mm)	from 20 to 200 mm		
Number of thermal insulation segments (pcs)	Depending on the diameter		
Pipeline diameter ØD (mm)	from 18 to 1020 mm		
Shell length (mm)	Zn up to 1000 mm	Al up to 1200 mm	St up to 1000 mm
Metal type & thickness (mm)	Zn 0,50/0,55/0,80	Al 0,50/0,80 mm	St 0,50 mm
Holes for fasteners	5-6 pcs / 1 m - Ø3, 2 mm		

QDC	PIPEWOOL	D	100	Al	169	60	080	1000	SC
Product type	Manufacturer brand	Product view	Marking of insulation	Metal type	Pipe diameter D (mm)	Thermal insulation thickness (mm)	Metal thickness (mm)	Product length L (mm)	Mounting type



Mounts and accessories

Self-tapping screw DIN 7504 M(N)	Exhaust rivet	Locks
Bandage with a lock	Bandage with a buckle	Location & direction
Staples supporting (assortment)	Support rings	Discharge devices
Distance holders (in the assortment)		

QDC	PIPEWOOL	D	120	Zn	108	60	050	1000	BL
Product type	Manufacturer brand	Product view	Marking of insulation	Metal type	Pipe diameter D (mm)	Thermal insulation thickness (mm)	Metal thickness (mm)	Product length L (mm)	Mounting type

L - Lock BL - Bandage with a lock BB - Bandage with a buckle SC - Self-tapping screw ER - Exhaust rivet SS - Staples supporting

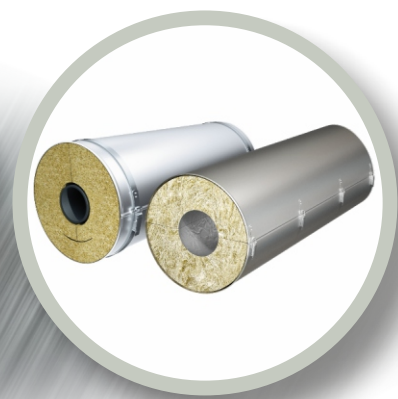
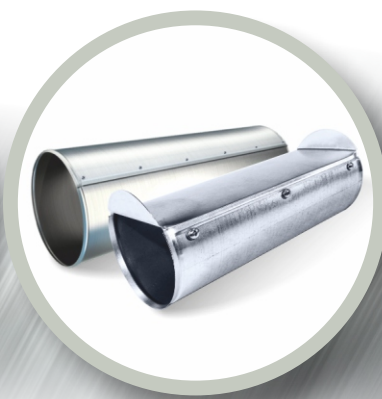
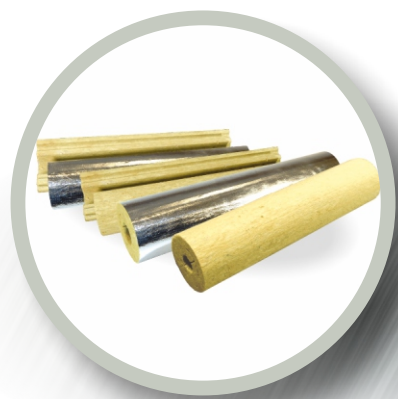
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Information about the customer.

Customer?* The company?*	
Object / # Order form / Date	
Phone / Your name?*	
Mail:	



General Parameters.

* 000,00 - Fill it out & ☒ mark it.

Pipeline diameter ØD	<input type="text"/>	mm
Product length L	<input type="text"/>	mm <input checked="" type="checkbox"/> 1000 mm
Number of products (pcs)	<input type="text"/>	pcs

Thermal insulation.

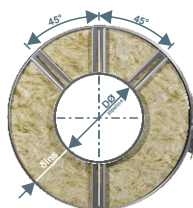
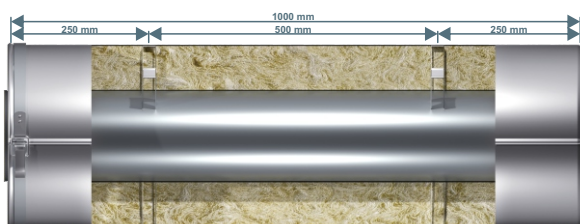
* 000,00 - Fill it out & ☒ mark it.

Product type	<input checked="" type="radio"/> Cylinders <input type="checkbox"/> <input checked="" type="radio"/> Semi-cylinders (Segmental) <input type="checkbox"/> <input checked="" type="radio"/> Segmental <input type="checkbox"/>
Type of segment connections	<input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4 <input type="radio"/> 5 <input type="radio"/> 6
Marking of insulation	<input type="text"/> 80 <input type="text"/> 100 <input type="text"/> 120 <input type="text"/> 150 <input type="text"/> 200
Thermal insulation thickness	<input type="text"/> mm
Number of segments	<input type="text"/> pcs Depending on the diameter <input checked="" type="checkbox"/>
Protective coating	Aluminum foil (Alu) <input type="checkbox"/>

Parameters of the support brackets.

* 000,00 - Fill it out & ☒ mark it.

Metal type of support bracket	Zn galvanized steel <input type="text"/> 0,50 mm <input type="text"/> 0,80 mm <input type="text"/> Al Aluminum <input type="text"/> 0,50 mm <input type="text"/> 0,80 mm <input type="text"/> 1,00 mm
Thermal pads T	NOVAPRESS <input type="text"/> ISOPLAN <input type="text"/> <input type="text"/> 2 mm <input type="text"/> 3 mm <input type="text"/> 5 mm <input type="text"/> 8 mm <input type="text"/> 10 mm
Number of brackets	<input type="text"/> pcs (*Formula NCo)



Formula NCo

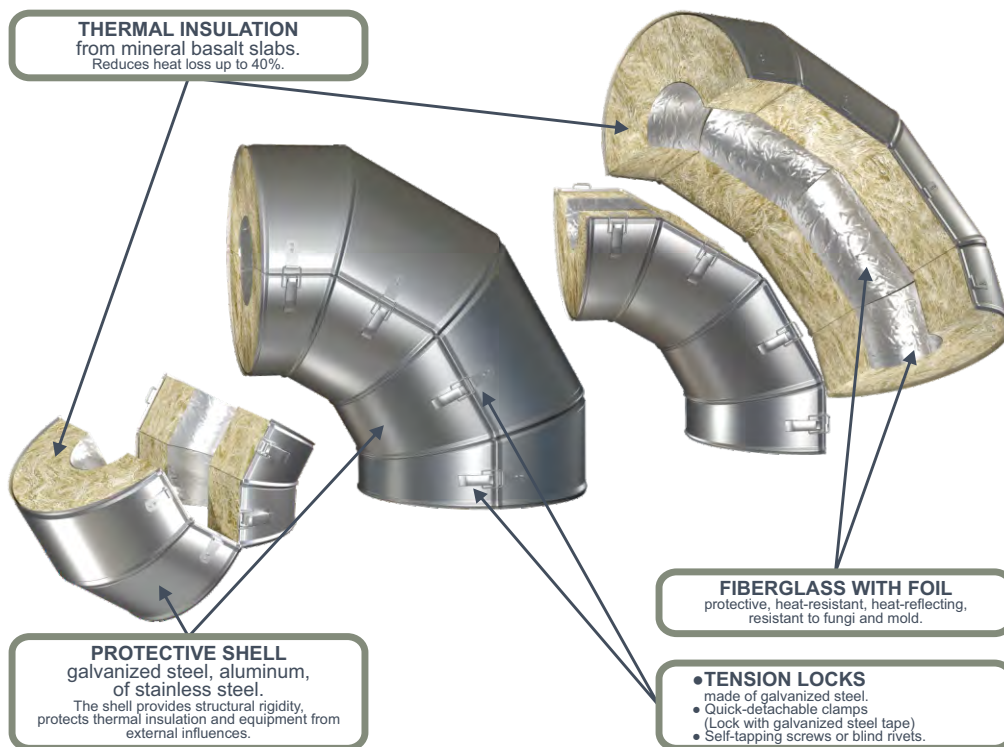
$$NCo = \frac{L}{500mm} * 4$$

Protective shell.

* 000,00 - Fill it out & ☒ mark it.

Shell diameter ØD (mm)	<input type="text"/>	mm
Recess depth G (mm)	<input type="text"/>	mm
Connections at the edges (ridges)	Open and closed <input type="checkbox"/> Two open ones <input type="checkbox"/> Two closed ones <input type="checkbox"/> Longitudinal <input checked="" type="checkbox"/>	
Metal type & thickness (mm)	Zn galvanized steel <input type="text"/> 0,50 mm <input type="text"/> 0,55 mm <input type="text"/> 0,80 mm Al Aluminum <input type="text"/> 0,50 mm <input type="text"/> 0,80 mm St Stainless steel <input type="text"/> 0,50 mm	
Design requirements	Overlap <input type="text"/> mm add <input type="text"/>	
Coloring	yes <input type="checkbox"/> no <input type="checkbox"/> Color <input type="text"/>	
Shell fastenings	Locks <input checked="" type="checkbox"/> Self-tapping screw <input type="checkbox"/> Exhaust rivet <input type="checkbox"/> Bandage with a buckle <input type="checkbox"/>	

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QDC ELBOW PIPEWOOL



- Elbow O



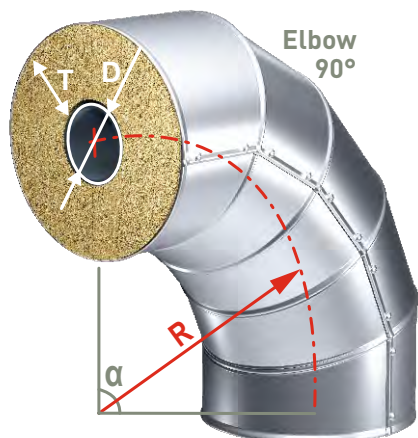
- Elbow-transition Op



- O2; Type-B



- O2; Type-H



Performance of thermal insulation



- Type 1



- Type 2



- Type 3

Type of segment connections



Angle (degrees)



30°; 45°; 60°; 90°

Marking of insulation



80; 100; 120; 150; 200

Insulation thickness (mm)



from 20 to 200 mm

Pipeline diameter D (mm)



from 18 to 1020 mm

Metal type & thickness (mm)



Zn 0,50/0,55/0,80 Al 0,50/0,80 mm St 0,50 mm

Turning radius of the elbow



1,5 / 2 / 3 or According to the Customer's TOR

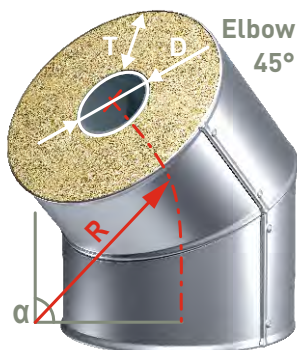
Holes for fasteners



Ø3,2 mm

QDC	PIPEWOOL	O	90	120	Zn	89	70	055	R1,5
Product type	Manufacturer brand	Product view	Elbow angle (degrees)	Marking of insulation	Metal type	Pipe diameter D (mm)	Thermal insulation thickness (mm)	Metal thickness (mm)	Turning radius elbow R

QDC	PIPEWOOL	O	45	100	Al	159	90	080	R1,5
Product type	Manufacturer brand	Product view	Elbow angle (degrees)	Marking of insulation	Metal type	Pipe diameter D (mm)	Thermal insulation thickness (mm)	Metal thickness (mm)	Turning radius elbow R



Mounts and accessories:


Self-tapping screw
DIN 7504 M(N)


Exhaust rivet



Locks



Location & direction

QDC	PIPEWOOL	Op	90	120	Zn	160	100	70	055	R1,5
Product type	Manufacturer brand	Product view	Elbow angle (degrees)	Marking of insulation	Metal type	Pipe diameter D1 (mm)	Pipe diameter D2 (mm)	Thermal insulation thickness (mm)	Metal thickness (mm)	Turning radius elbow R

QDC	PIPEWOOL	O2V	90	120	Zn	160	160	70	050	R1	R2	100
Product type	Manufacturer brand	Product view	Elbow angle (degrees)	Marking of insulation	Metal type	Pipe diameter D1 (mm)	Pipe diameter D2 (mm)	Thermal insulation thickness (mm)	Metal thickness (mm)	Turning radius elbow R	Turning radius elbow R	Distance between axes B (mm)

QDC	PIPEWOOL	O2H	90	120	Zn	160	240	70	050	R1-R2	100
Product type	Manufacturer brand	Product view	Elbow angle (degrees)	Marking of insulation	Metal type	Pipe diameter D1 (mm)	Pipe diameter D2 (mm)	Thermal insulation thickness (mm)	Metal thickness (mm)	Turning radii elbow R	Distance between axes B (mm)

L - Lock **BL** - Bandage with a lock **BB** - Bandage with a buckle **SC** - Self-tapping screw **ER** - Exhaust rivet **SS** - Staples supporting

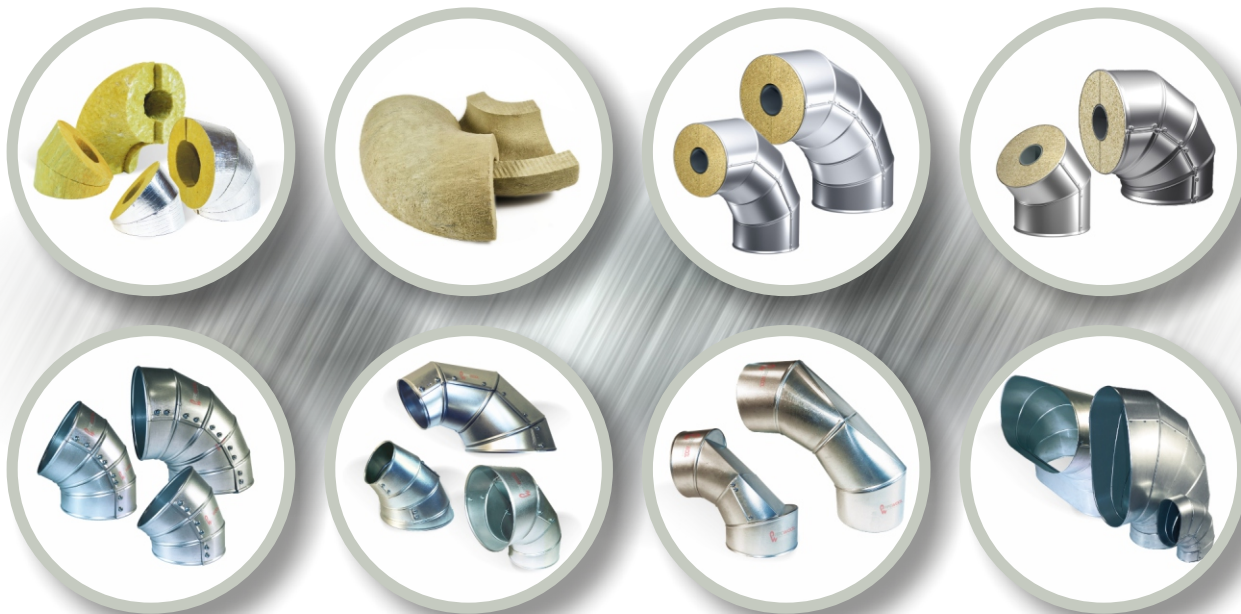
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Customer?* The company?*	
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Mail:	



General Parameters.

* 000,00 - Fill it out & ☒ mark it.

Product execution	Elbow O <input type="checkbox"/> Elbow-transition Op <input type="checkbox"/> O2; Type-B <input type="checkbox"/> O2; Type-H <input type="checkbox"/>
Angle (degrees)	<input type="checkbox"/> 30° <input type="checkbox"/> 45° <input type="checkbox"/> 60° <input type="checkbox"/> 90°
Pipeline diameter D (mm)	D1* <input type="text"/> mm D2 <input type="text"/> mm
Turning radius of the elbow	R1* <input type="checkbox"/> 1,5 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="text"/> R2 <input type="checkbox"/> 1,5 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="text"/>
Distance between axes (mm)	<input type="text"/> mm
Number of products (pcs)	<input type="text"/> pcs

Thermal insulation.

* 000,00 - Fill it out & ☒ mark it.

Execution of thermal insulation	Type 1 <input type="checkbox"/> Type 2 <input type="checkbox"/> Type 3 <input type="checkbox"/> Segments
Type of segment connections	1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/>
Marking of insulation	<input type="checkbox"/> 80 <input type="checkbox"/> 100 <input type="checkbox"/> 120 <input type="checkbox"/> 150 <input type="checkbox"/> 200
Thermal insulation thickness (mm)	<input type="text"/> mm (from 18 to 1020 mm for multi-segment)
Outer diameter of the Elbow	Type 1 "PREMIUM" two-segment <input type="text"/> mm (to 500 mm for two-segment)
Protective coating	Aluminum foil (Alu) <input type="checkbox"/>

Protective shell.

* 000,00 - Fill it out & ☒ mark it.

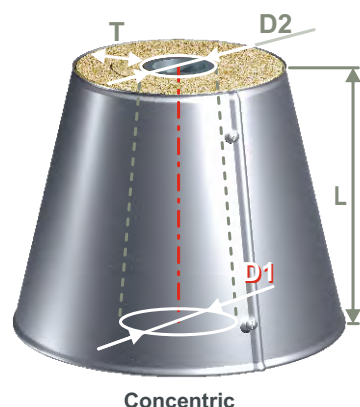
Shell execution	Segments <input checked="" type="checkbox"/>
Shell diameter ØD (mm)	<input type="text"/> mm
Recess depth G (mm)	<input type="text"/> mm
Connections at the edges (ridges)	Open and closed <input type="checkbox"/> Two open ones <input type="checkbox"/> Two closed ones <input type="checkbox"/> Longitudinal <input checked="" type="checkbox"/>
Metal type & thickness (mm)	Zn galvanized steel <input type="checkbox"/> 0,50 mm <input type="checkbox"/> 0,55 mm <input type="checkbox"/> 0,80 mm Al Aluminum <input type="checkbox"/> 0,50 mm <input type="checkbox"/> 0,80 mm St Stainless steel <input type="checkbox"/> 0,50 mm
Design requirements	Overlap <input type="text"/> mm add <input type="text"/>
Coloring	yes <input type="checkbox"/> no <input type="checkbox"/> Color <input type="text"/>
Shell fastenings	Locks <input checked="" type="checkbox"/> Self-tapping screw <input type="checkbox"/> Exhaust rivet <input type="checkbox"/> Bandage with a buckle <input type="checkbox"/>

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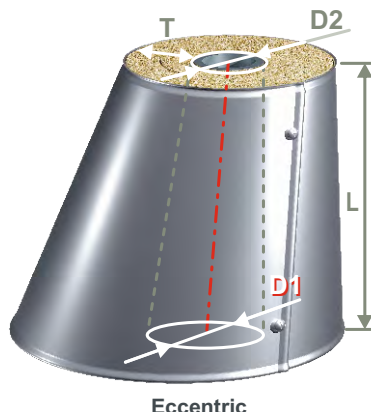


QDC TRANSITION PIPEWOOL

Product execution - Concentric (Pc) - Eccentric (Pe)



Concentric



Eccentric

Type of segment connections	
Marking of insulation	80; 100; 120; 150; 200
Insulation thickness (mm)	from 20 to 200 mm
Maximum pipeline diameter D1 (mm)	from 18 to 1020 mm
Smallest pipeline diameter D2 (mm)	from 18 to 1020 mm
Metal type & thickness (mm)	Zn 0,50/0,55/0,80 Al 0,50/0,80 mm St 0,50 mm
Product length (mm)	from 300 to 1000 mm
Holes for fasteners	Ø3,2 mm

QDC	PIPEWOOL	Pc	150	Zn	133	108	50	050	120
Product type	Manufacturer brand	Product view	Marking of insulation	Metal type	Pipe diameter D1 (mm) biggest	Pipe diameter D2 (mm) smallest	Thermal insulation thickness (mm)	Metal thickness (mm)	Product length L (mm)

Mounts and accessories:	Self-tapping screw DIN 7504 M(N)	Exhaust rivet	Locks	Location & direction
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QDC	PIPEWOOL	Pe	100	Zn	377	159	70	055	100
Product type	Manufacturer brand	Product view	Marking of insulation	Metal type	Pipe diameter D1 (mm) biggest	Pipe diameter D2 (mm) smallest	Thermal insulation thickness (mm)	Metal thickness (mm)	Product length L (mm)

L - Lock BL - Bandage with a lock BB - Bandage with a buckle SC - Self-tapping screw ER - Exhaust rivet SS - Staples supporting

CUSTOMER SURVEY SHEET # _____

Information about the customer.	
Customer?* The company?*	
Object / # Order form / Date	
Phone / Your name?*	
Mail:	

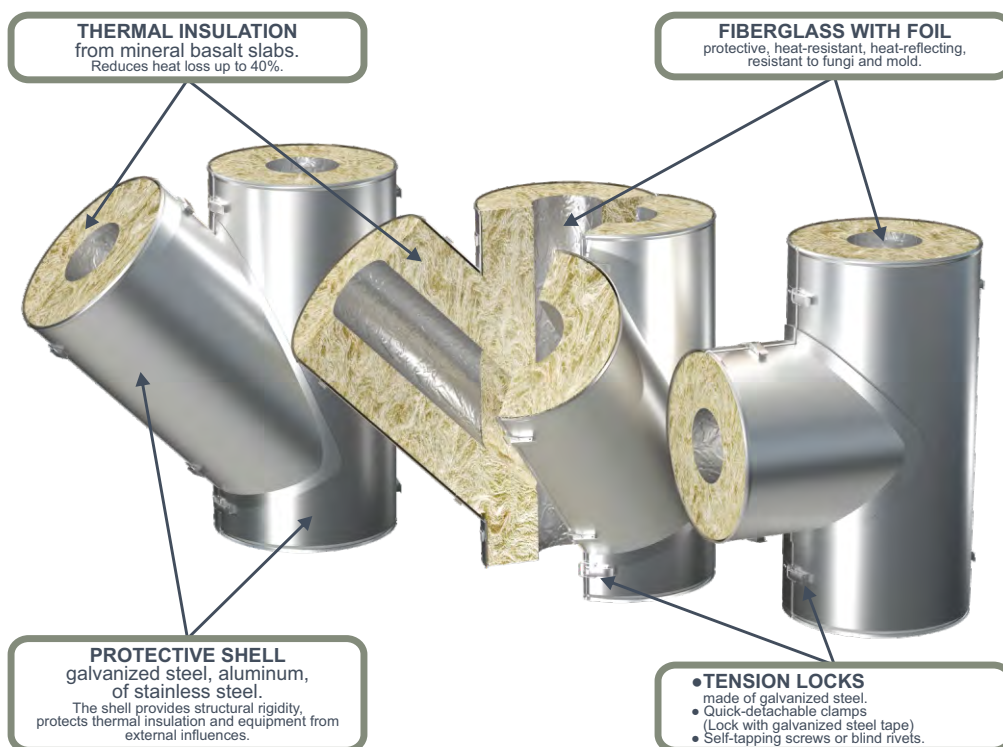


General Parameters.		* 000,00 - Fill it out & <input checked="" type="checkbox"/> mark it.	
Product execution	<input checked="" type="checkbox"/> Concentric (Pc) <input type="checkbox"/> Eccentric (Pe)		
Pipeline diameter D (mm)	D1 <input type="text"/> mm	D2 <input type="text"/> mm	from 18 to 1020 mm
Length L (mm)	<input type="text"/> mm		
The distance between the axes B	<input type="text"/> mm		
Number of products (pcs)	<input type="text"/> pcs		

Thermal insulation.		* 000,00 - Fill it out & <input checked="" type="checkbox"/> mark it.	
Type of segment connections	<input checked="" type="radio"/> 1 <input type="radio"/> 2		
Marking of insulation	<input type="text"/> 80 <input type="text"/> 100 <input type="text"/> 120 <input type="text"/> 150 <input type="text"/> 200		
Thermal insulation thickness (mm)	<input type="text"/> mm		
Protective coating	Aluminum foil (Alu) <input type="checkbox"/>		

Protective shell.		* 000,00 - Fill it out & <input checked="" type="checkbox"/> mark it.	
Shell diameter ØD (mm)	D1 <input type="text"/> mm	D2 <input type="text"/> mm	from 60 to 1000 mm
Recess depth G (mm)	<input type="text"/> mm		
Connections at the edges (ridges)	Open and closed <input type="checkbox"/> Two open ones <input type="checkbox"/> Two closed ones <input type="checkbox"/> Longitudinal <input checked="" type="checkbox"/>		
Metal type & thickness (mm)	Zn galvanized steel <input type="text"/> 0,50 mm <input type="text"/> 0,55 mm <input type="text"/> 0,80 mm Al Aluminum <input type="text"/> 0,50 mm <input type="text"/> 0,80 mm St Stainless steel <input type="text"/> 0,50 mm		
Design requirements	Overlap <input type="text"/> mm add <input type="text"/>		
Coloring	yes <input type="checkbox"/> no <input type="checkbox"/> Color <input type="text"/>		
Shell fastenings	Locks <input checked="" type="checkbox"/> Self-tapping screw <input type="checkbox"/> Exhaust rivet <input type="checkbox"/> Bandage with a buckle <input type="checkbox"/>		

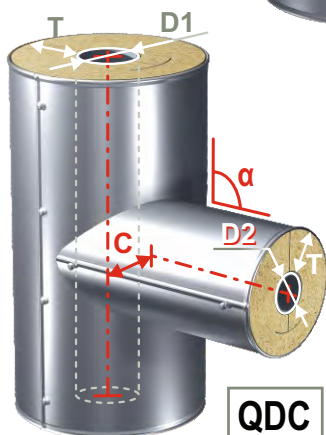
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QDC TEES PIPEWOOL

Shell execution - 1.Equal-pass - 2.Transition - 3.Equal-pass at an angle
 - 4.Transition at an angle - 5.No offset - 6.With offset

Type of segment connections



Angle (degrees)	30°; 45°; 60°; 90°		
Marking of insulation	80; 100; 120; 150; 200		
Insulation thickness (mm)	from 20 to 200 mm		
Diameter of the tee pipeline D1 (mm)	from 18 to 1020 mm		
Diameter of the inset pipeline D2 (mm)	from 18 to 1020 mm		
Metal type & thickness (mm)	Zn 0,50/0,55/0,80	Al 0,50/0,80 mm	St 0,50 mm
Tees length L1 (mm)	from 300 to 1000 mm (According to the Customer's TOR)		
Insets length L2 (mm)	from 100 to 1000 mm (According to the Customer's TOR)		
Offset (mm)	According to the Customer's TOR		
Holes for fasteners	Ø3,2 mm		

QDC	PIPEWOOL	T	45	120	Zn	108	108	30	050
Product type	Manufacturer brand	Product view	Angle (degree)	Marking of insulation	Metal type	Diameter of the main pipeline D1 (mm)	Diameter of the diverter pipeline D2 (mm)	Thermal insulation thickness (mm)	Metal thickness (mm)

Mounts and accessories:



QDC	PIPEWOOL	T	90	100	Zn	159	133	40	050	56
Product type	Manufacturer brand	Product view	Angle (degree)	Marking of insulation	Metal type	Diameter of the main pipeline D1 (mm)	Diameter of the diverter pipeline D2 (mm)	Thermal insulation thickness (mm)	Metal thickness (mm)	Offset C (mm)

L - Lock **BL** - Bandage with a lock **BB** - Bandage with a buckle **SC** - Self-tapping screw **ER** - Exhaust rivet **SS** - Staples supporting

Information about the customer.

Customer?* The company?*	
Object / # Order form / Date	
Phone / Your name?*	
Mail:	



General Parameters.

* 000,00 - Fill it out & ☒ mark it.

Product execution	1.Equal-pass <input type="checkbox"/>	2.Transition <input type="checkbox"/>	3.Equal-pass at an angle <input type="checkbox"/>
	4.Transition at an angle <input type="checkbox"/>	5.No offset <input type="checkbox"/>	6.With offset <input type="checkbox"/>
Pipeline diameter D (mm)	D1 main <input type="text"/> mm	D2 diverting <input type="text"/> mm	
Angle (degrees)	<input type="text"/> 30° <input type="text"/> 45° <input type="text"/> 60° <input type="text"/> 90°		
Length L (mm)	L1 main <input type="text"/> mm	L2 diverting <input type="text"/> mm	
Offset (mm)	<input type="text"/> mm		
Number of products (pcs)	<input type="text"/> pcs		

Thermal insulation.

* 000,00 - Fill it out & ☒ mark it.

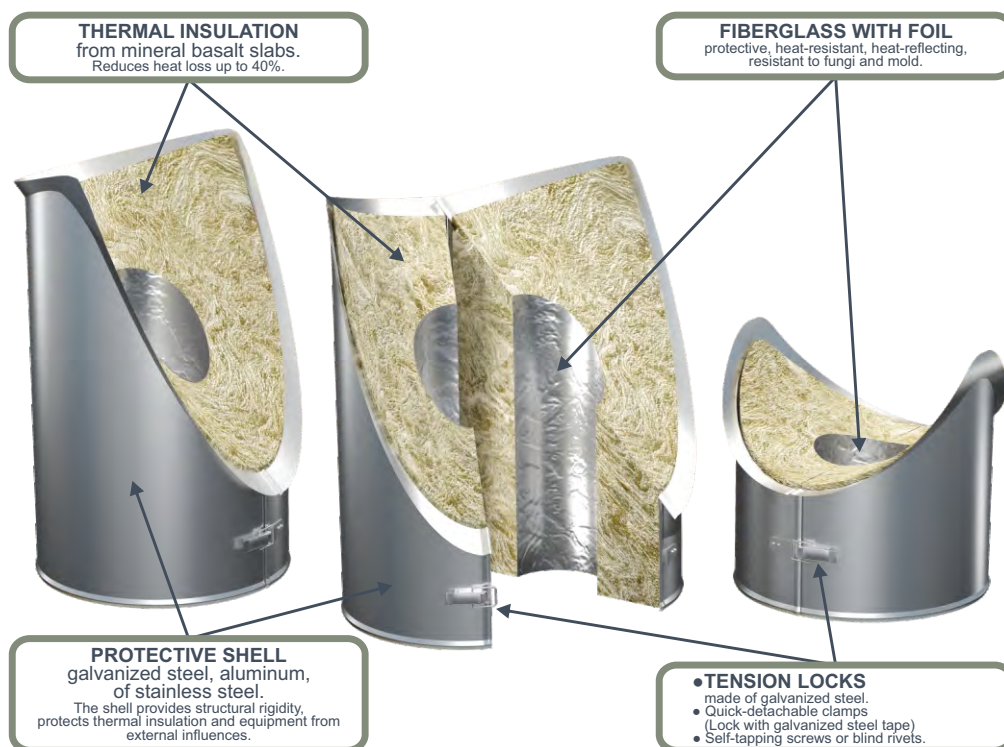
Type of segment connections	1 <input type="checkbox"/> 2 <input type="checkbox"/>
Marking of insulation	<input type="text"/> 80 <input type="text"/> 100 <input type="text"/> 120 <input type="text"/> 150 <input type="text"/> 200
Thermal insulation thickness (mm)	<input type="text"/> mm
Protective coating	Aluminum foil (Alu) <input type="checkbox"/>

Protective shell.

* 000,00 - Fill it out & ☒ mark it.

Shell diameter ØD (mm)	D1 main <input type="text"/> mm	D2 diverting <input type="text"/> mm
Recess depth G (mm)	<input type="text"/> mm	
Connections at the edges (ridges)	Main <input type="checkbox"/> Open <input type="checkbox"/> Closed <input type="checkbox"/> Diverting <input type="checkbox"/> Open <input type="checkbox"/> Closed <input type="checkbox"/> Longitudinal <input checked="" type="checkbox"/>	
Metal type & thickness (mm)	Zn galvanized steel <input type="text"/> 0,50 mm <input type="text"/> 0,80 mm <input type="text"/> 0,80 mm	
	Al Aluminum <input type="text"/> 0,50 mm <input type="text"/> 0,55 mm St Stainless steel <input type="text"/> 0,50 mm	
Design requirements	Overlap <input type="text"/> mm add <input type="text"/>	
Coloring	yes <input type="checkbox"/> no <input type="checkbox"/> Color <input type="text"/>	
Shell fastenings	Locks <input checked="" type="checkbox"/> Self-tapping screw <input type="checkbox"/> Exhaust rivet <input type="checkbox"/> Bandage with a buckle <input type="checkbox"/>	

TU 23.99.19-004-61278130-2017



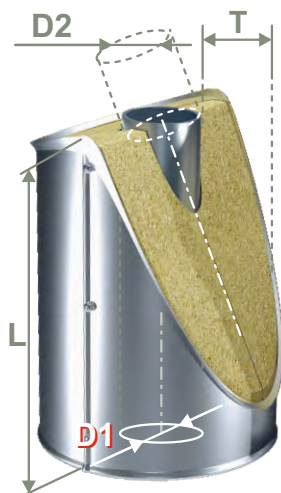
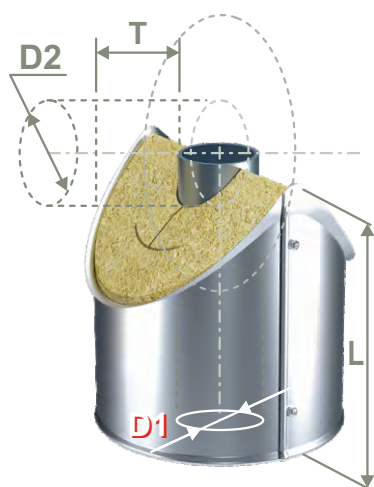
QDC INSET PIPEWOOL

Product execution

- 1.Equal-pass

- 2.At an angle

- 3.With offset



Type of segment connections

Angle (degrees)

30°; 45°; 60°; 90° (According to GOST or the Customer's TOR)

Marking of insulation

80; 100; 120; 150; 200

Diameter (D1) of the inset shell

from 18 to 1020 mm

Diameter (D2) of the shell main pipeline

from 18 to 1020 mm

Insulation thickness (mm)

from 20 to 200 mm

Metal type & thickness (mm)

Zn 0,50/0,55/0,80 Al 0,50/0,80 mm St 0,50 mm

Inset length (mm)

from 100 to 1000 mm (According to the Customer's technical specifications)

Offset (mm)

According to the Customer's TOR

Holes for fasteners

Ø3,2 mm

QDC	PIPEWOOL	H	120	Zn	57	89	60	055	90	900
Product type	Manufacturer brand	Product view	Marking of insulation	Metal type	Diameter of the pipeline Inset D1 (mm)	Diameter of the main pipeline D2 (mm)	Thermal insulation thickness (mm)	Metal thickness (mm)	Angle (degree)	Product length L (mm)

Mounts and accessories:



QDC	PIPEWOOL	H	100	Zn	89	133	30	055	45	700	11
Product type	Manufacturer brand	Product view	Marking of insulation	Metal type	Diameter of the pipeline Inset D1 (mm)	Diameter of the main pipeline D2 (mm)	Thermal insulation thickness (mm)	Metal thickness (mm)	Angle (degree)	Product length L (mm)	Offset C (mm)

L - Lock BL - Bandage with a lock BB - Bandage with a buckle SC - Self-tapping screw ER - Exhaust rivet SS - Staples supporting

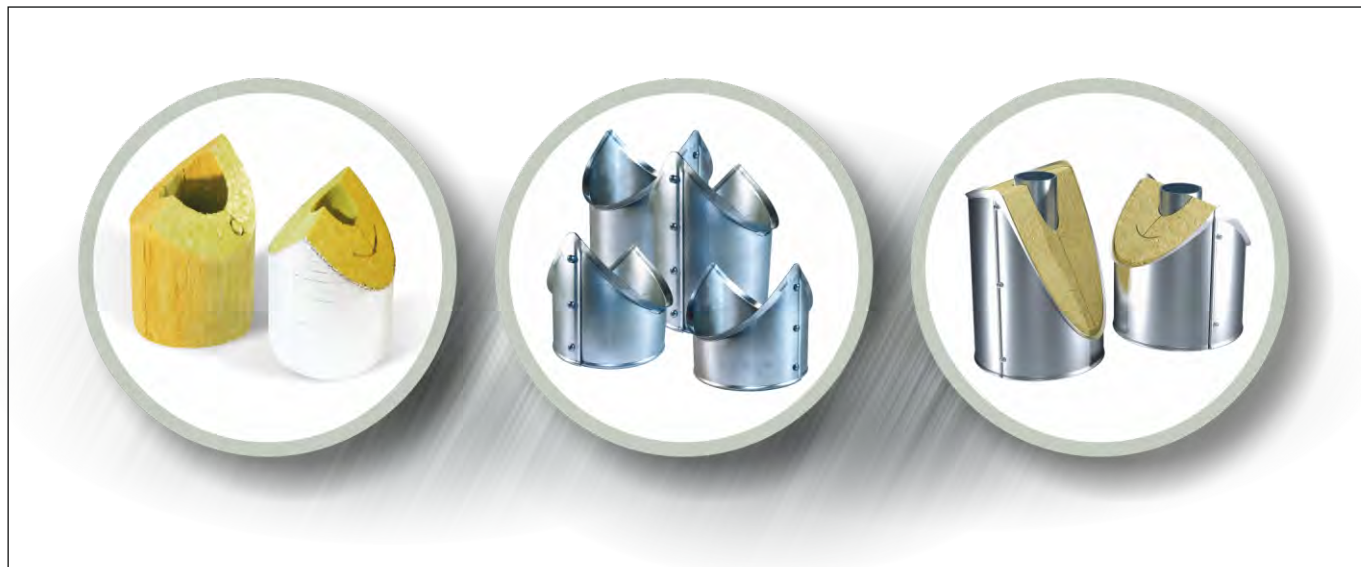
pipewool.pw

teplo@pipewool.ru
24/1 Kemerovskaya St., Kopeysk, Chelyabinsk region, 456612, Russia

+7(800) 302-14-42
+7(35139) 2-79-00

Information about the customer.

Customer?* The company?*	
Object / # Order form / Date	
Phone / Your name?*	
Mail:	



General Parameters.

* 000,00 - Fill it out & ☒ mark it.

Product execution	<input checked="" type="checkbox"/> 1.Equal-pass <input type="checkbox"/> 2.At an angle <input type="checkbox"/> 3.With offset
Pipeline diameter D (mm)	D1 inset <input type="text"/> mm D2 main pipeline <input type="text"/> mm
Angle (degrees)	<input type="text"/> 30° <input type="text"/> 45° <input type="text"/> 60° <input type="text"/> 90° <input type="text"/>
Length L (mm)	<input type="text"/> mm
Offset C (mm)	<input type="text"/> mm
Number of products (pcs)	<input type="text"/> pcs

Thermal insulation.

* 000,00 - Fill it out & ☒ mark it.

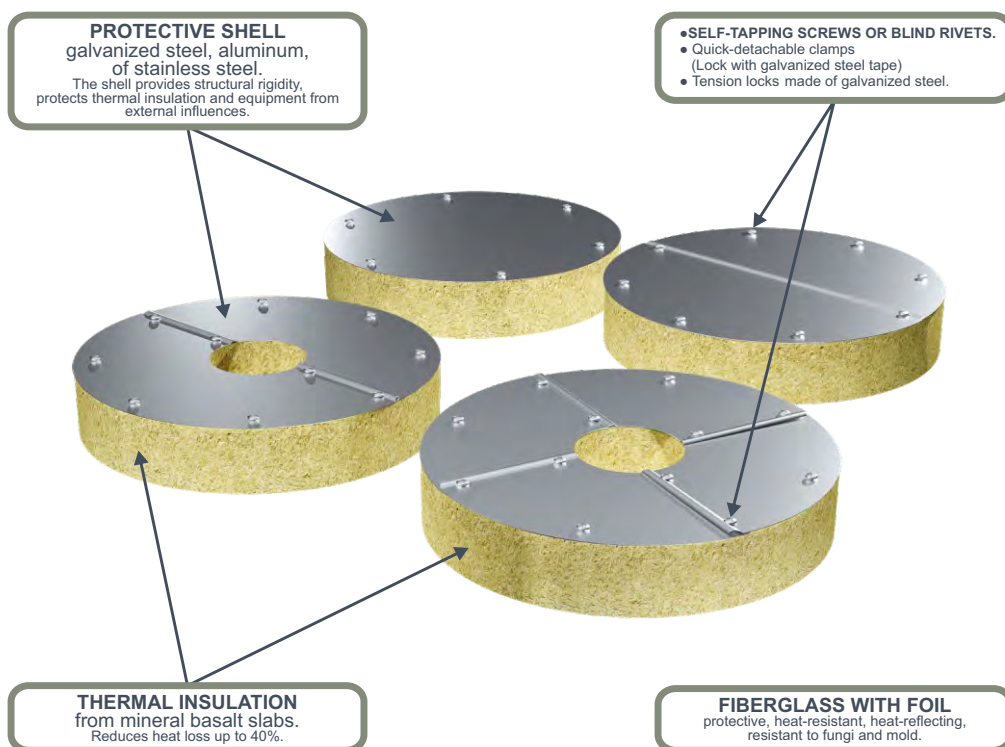
Type of segment connections	<input checked="" type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3
Marking of insulation	<input type="text"/> 80 <input type="text"/> 100 <input type="text"/> 120 <input type="text"/> 150 <input type="text"/> 200
Thermal insulation thickness (mm)	<input type="text"/> mm
Protective coating	Aluminum foil (Alu) <input type="checkbox"/>

Protective shell.

* 000,00 - Fill it out & ☒ mark it.

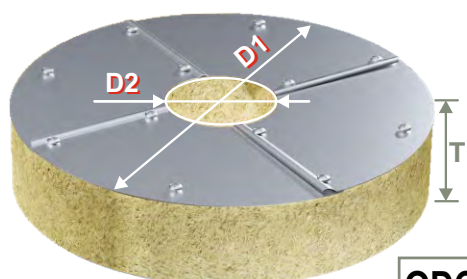
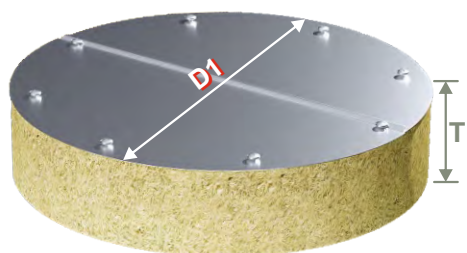
Shell diameter ØD (mm)	D1 inset <input type="text"/> mm D2 main pipeline <input type="text"/> mm
Recess depth G (mm)	<input type="text"/> mm from 10 mm to 1/2 Ø
Connections at the edges (ridges)	Open <input type="checkbox"/> Closed <input type="checkbox"/> Longitudinal <input checked="" type="checkbox"/>
Metal type & thickness (mm)	Zn galvanized steel <input type="text"/> 0,50 mm <input type="text"/> 0,55 mm <input type="text"/> 0,80 mm Al Aluminum <input type="text"/> 0,50 mm <input type="text"/> 0,80 mm St Stainless steel <input type="text"/> 0,50 mm
Design requirements	Overlap <input type="text"/> mm add <input type="text"/>
Coloring	yes <input type="checkbox"/> no <input type="checkbox"/> Color <input type="text"/>
Shell fastenings	Locks <input checked="" type="checkbox"/> Self-tapping screw <input type="checkbox"/> Exhaust rivet <input type="checkbox"/> Bandage with a buckle <input type="checkbox"/>

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QDC PLUGS PIPEWOOL

Product execution ● - Plug ● - Diaphragm ● - With a hole ⊗ - Segments



Type of segment connections

Marking of insulation	M	80; 100; 120; 150; 200
Insulation thickness (mm)	+	from 20 to 200 mm
External diameter D1 (mm)	↗	from 60 to 1220 mm
Metal type & thickness (mm)	+	Zn 0,50/0,55/0,80 Al 0,50/0,80 mm St 0,50 mm
Diameter D2 of the hole for the pipeline (mm)	↗	from 18 to 1020 mm
Number of segments (pcs)	⊗	1-4 pcs Depending on the diameter
Holes for fasteners	⊙	Ø3,2 mm

QDC	PIPEWOOL	G	100	Zn	108	50	055	2
Product type	Manufacturer brand	Product view	Marking of insulation	Metal type	Diameter product D1 (mm)	Thermal insulation thickness (mm)	Metal thickness (mm)	Number of shell segments (pieces)

Mounts and accessories:


Self-tapping screw
DIN 7504 M(N)

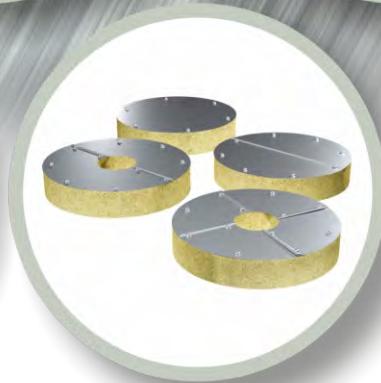
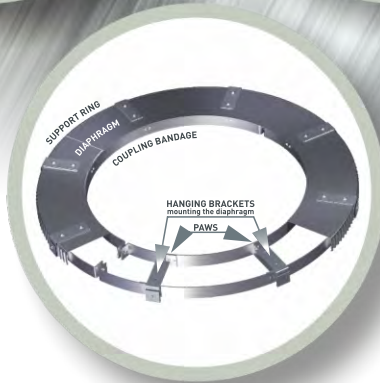
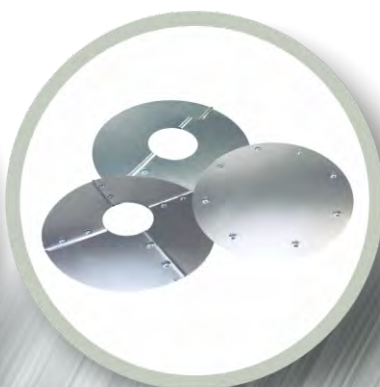
Exhaust
rivet

QDC	PIPEWOOL	G	100	Zn	159	60	050	57	4
Product type	Manufacturer brand	Product view	Marking of insulation	Metal type	Diameter product D1 (mm)	Thermal insulation thickness (mm)	Metal thickness (mm)	Diameter hole D2 (mm)	Number of shell segments (pieces)

L - Lock BL - Bandage with a lock BB - Bandage with a buckle SC - Self-tapping screw ER - Exhaust rivet SS - Staples supporting

Information about the customer.

Customer?* The company?*	
Object / # Order form / Date	
Phone / Your name?*	
Mail:	



General Parameters.

* 000,00 - Fill it out & ☒ mark it.

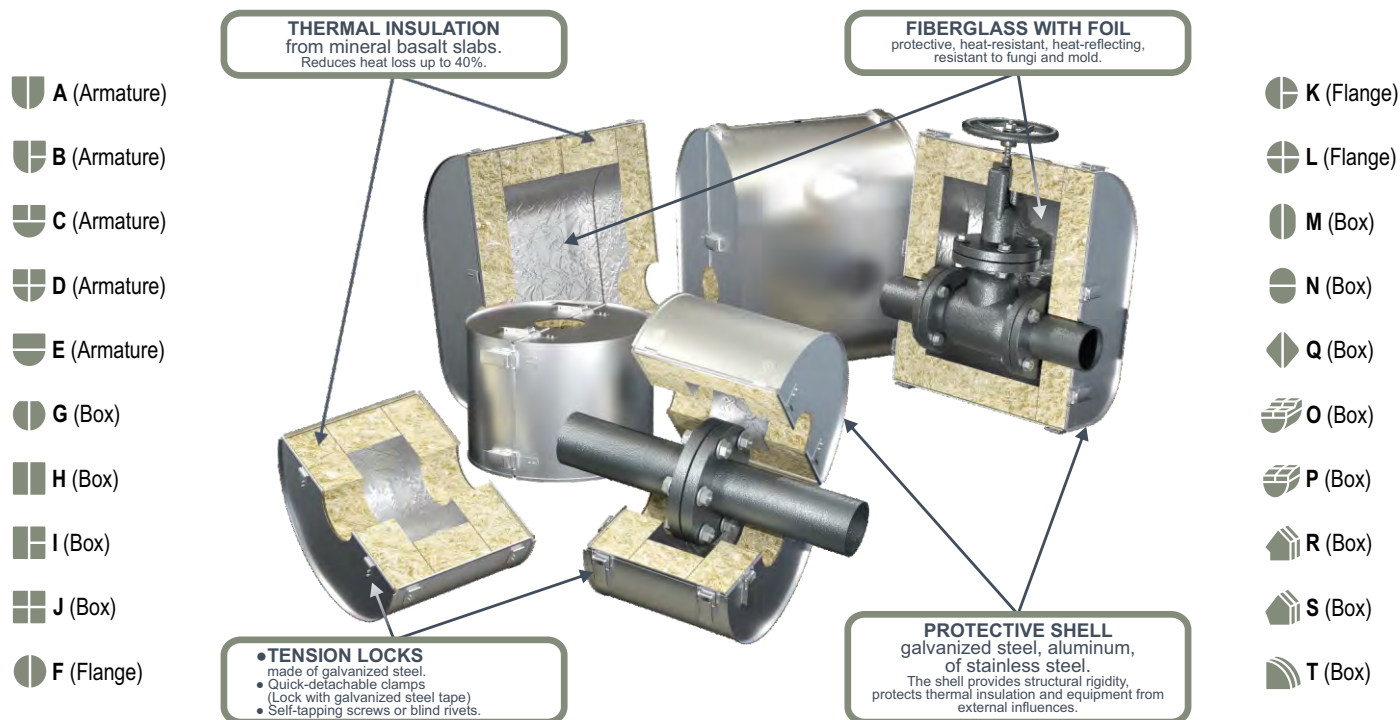
Product execution	<input checked="" type="radio"/> Plug <input type="checkbox"/> With a hole <input type="checkbox"/> Segments <input type="checkbox"/>
Diameter D (mm)	External diameter D1 <input type="text"/> mm Diameter D2 of the hole for the pipeline <input type="text"/> mm
Number of segments (pcs)	<input type="text"/> pcs
Type of segment connections	<input checked="" type="radio"/> 1 <input type="checkbox"/>
Marking of insulation	<input type="checkbox"/> 80 <input type="checkbox"/> 100 <input type="checkbox"/> 120 <input type="checkbox"/> 150 <input type="checkbox"/> 200
Insulation thickness (mm)	<input type="text"/> mm
Protective coating	Aluminum foil (Alu) <input type="checkbox"/>
Number of products (pcs)	<input type="text"/> pcs

Protective shell.

* 000,00 - Fill it out & ☒ mark it.

Product execution	<input checked="" type="radio"/> Plug <input type="checkbox"/> Diaphragm <input type="checkbox"/> With a hole <input type="checkbox"/> Segments <input checked="" type="checkbox"/>
Diameter D (mm)	External diameter D1 <input type="text"/> mm Diameter D2 of the hole for the pipeline <input type="text"/> mm
Number of segments (pcs)	<input type="text"/> pcs
Connections at the edges (ridges)	<input checked="" type="radio"/> No ridges <input type="checkbox"/> Closed groove <input type="checkbox"/> Longitudinal groove <input type="checkbox"/>
Connections at the edges (ridges)	<input type="checkbox"/> No sidewall <input type="checkbox"/> Edge with closed ridges <input type="checkbox"/> Corrugated sidewall (width according to GOST) <input type="checkbox"/>
Metal type & thickness (mm)	Zn galvanized steel <input type="checkbox"/> 0,50 mm <input type="checkbox"/> 0,55 mm <input type="checkbox"/> 0,80 mm Al Aluminum <input type="checkbox"/> 0,50 mm <input type="checkbox"/> 0,80 mm St Stainless steel <input type="checkbox"/> 0,50 mm
Design requirements	Overlap <input type="text"/> mm add <input type="text"/>
Coloring	yes <input type="checkbox"/> no <input type="checkbox"/> Color <input type="text"/>
Shell fastenings	Self-tapping screw <input checked="" type="checkbox"/> Exhaust rivet <input type="checkbox"/>
Number of products (pcs)	<input type="text"/> pcs

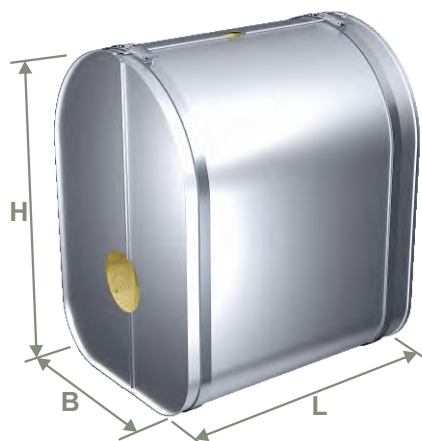
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FLANGE (F) QDC PIPEWOOL

Types of Flanges F (Flange) K (Flange) L (Flange)

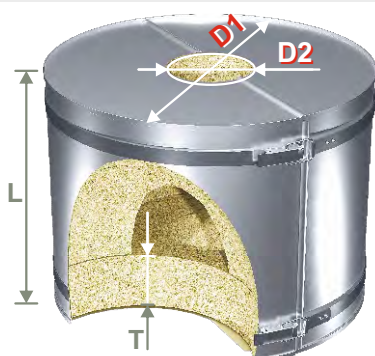
Type of segment connections Segments With a holes



view/type thermal insulation	PIPEWOOL: Mineral wool (Plates; Mats; Segments); PU foam; Foam rubber; Foam glass
Marking of insulation	80; 100; 120; 150; 200
Insulation thickness (mm)	from 20 to 200 mm
External Height / Width (mm)	from 200 mm and more (According to the Customer's TOR)
Product diameter (mm)	from 200 mm and more (According to the Customer's TOR)
Product Length (mm)	from 200 mm and more (According to the Customer's TOR)
Metal type & thickness (mm)	Zn 0,50/0,55/0,80/1,00 Al 0,50/0,80 mm St 0,50 mm
Diameter D2 of the hole for the pipeline (mm)	from 18 to 1020 mm (According to the Customer's TOR)

QDC	PIPEWOOL	A	100	Zn	600	450	500	80	050	80	BL
Product type	Manufacturer brand	Product view	Marking of insulation	Metal type	External height H (mm) with thermal insulation	External width B (mm) with thermal insulation	External length L (mm) with thermal insulation	Thermal insulation thickness (mm)	Metal thickness (mm)	Diameter hole D2 (mm)	Mounting type

ARMATURE (A) QDC PIPEWOOL Types of Armatures A (Armature) B (Armature) C (Armature) D (Armature) E (Armature)



Mounts and accessories	Self-tapping screw DIN 7504 M(N)	Exhaust rivet	Locks
	Bandage with a lock	Bandage with a buckle	Location & direction
	Staples supporting (assortment)		

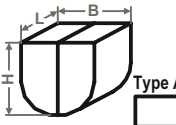
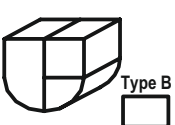
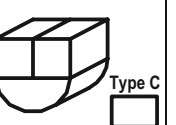
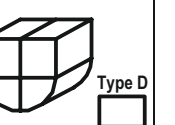
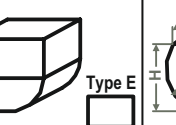
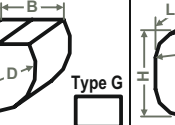
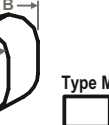
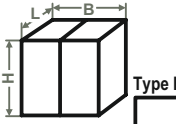
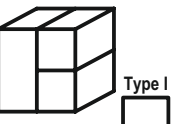
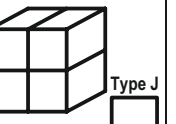

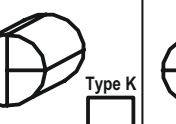
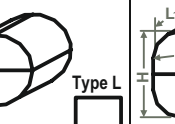
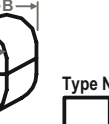
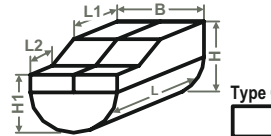
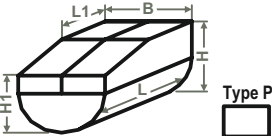
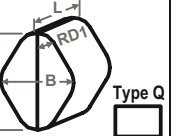
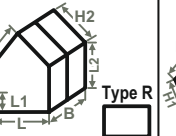
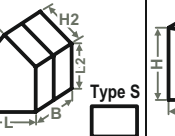
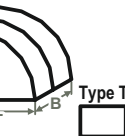
QDC	PIPEWOOL	F	100	Zn	450	300	60	055	80	BL
Product type	Manufacturer brand	Product view	Marking of insulation	Metal type	External Diameter D1 (mm) with thermal insulation	External length L (mm) with thermal insulation	Thermal insulation thickness (mm)	Metal thickness (mm)	Diameter hole D2 (mm)	Mounting type

L - Lock BL - Bandage with a lock BB - Bandage with a buckle SC - Self-tapping screw ER - Exhaust rivet SS - Staples supporting

pipewool.pw

teplo@pipewool.ru
24/1 Kemerovskaya St., Kopeysk, Chelyabinsk region, 456612, Russia

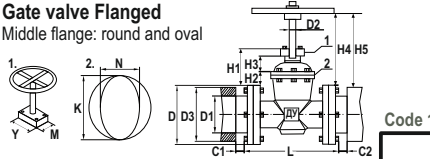
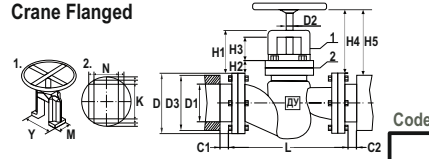
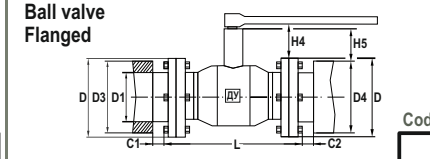
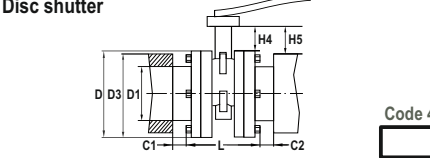
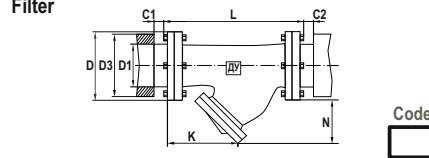
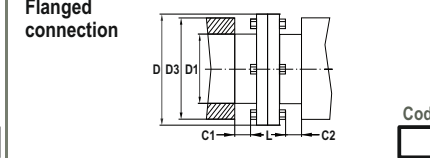
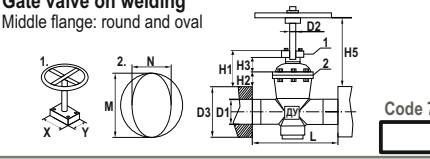
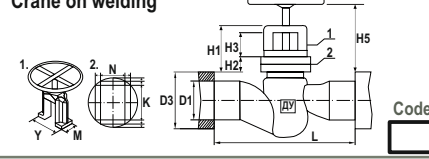
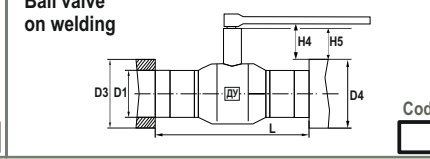
+7(800) 302-14-42
+7(35139) 2-79-00

Information about the customer.																			
Customer?* The company?*																			
Object / # Order form / Date																			
Phone / Your name?*																			
Mail:																			
General Parameters. * 000,00 - Fill it out & <input checked="" type="checkbox"/> mark it.																			
Operating conditions	Indoors <input type="checkbox"/>	On the street <input type="checkbox"/>	In the channel <input type="checkbox"/>																
Thermal insulation material	Pipewool <input type="checkbox"/>	Mineral wool: Plates <input type="checkbox"/>	Mats <input type="checkbox"/>	Segments <input type="checkbox"/>															
	PU foam <input type="checkbox"/>	Foam rubber <input type="checkbox"/>	Foam glass <input type="checkbox"/>	Other <input type="text"/>															
Thermal insulating	Marking <input type="text"/>	Thickness <input type="text"/> mm	<input type="checkbox"/> - TO ORDER																
Protective coating	Aluminum foil (Alu) <input type="checkbox"/>																		
Waterproofing	yes <input type="checkbox"/>	no <input type="checkbox"/>	Material <input type="text"/>																
External dimensions (mm)	Height H <input type="text"/> mm	Width B / Diameter D <input type="text"/> mm	Length L <input type="text"/> mm																
Holes for fittings	Diameter D2 of the hole for the pipeline <input type="text"/> mm		<input type="text"/> pcs																
Cramped conditions																			
Number of products (pcs)	<input type="text"/> pcs																		
Protective shell. * 000,00 - Fill it out & <input checked="" type="checkbox"/> mark it.																			
Metal type & thickness (mm)	Zn galvanized steel <input type="checkbox"/>	0,50 mm <input type="checkbox"/>	0,55 mm <input type="checkbox"/>	0,80 mm <input type="checkbox"/>	1,00 mm <input type="checkbox"/>														
	Al Aluminum <input type="checkbox"/>	0,50 mm <input type="checkbox"/>	0,80 mm <input type="checkbox"/>	St Stainless steel <input type="checkbox"/>	0,50 mm <input type="checkbox"/>														
Connecting segments (GOST)	Closed groove <input checked="" type="checkbox"/>	Longitudinal groove <input checked="" type="checkbox"/>	Lock groove <input checked="" type="checkbox"/>	Overlap <input type="text"/> mm															
Coloring	yes <input type="checkbox"/>	no <input type="checkbox"/>	Color <input type="text"/>																
Shell fastenings	Locks <input checked="" type="checkbox"/>	Self-tapping screw <input type="checkbox"/>	Exhaust rivet <input type="checkbox"/>	Bandage with a buckle <input type="checkbox"/>															
Number of products (pcs)	<input type="text"/> pcs																		
<div style="display: flex; flex-wrap: wrap;"> <div style="width: 15%; text-align: center;">  Type A <input type="checkbox"/> </div> <div style="width: 15%; text-align: center;">  Type B <input type="checkbox"/> </div> <div style="width: 15%; text-align: center;">  Type C <input type="checkbox"/> </div> <div style="width: 15%; text-align: center;">  Type D <input type="checkbox"/> </div> <div style="width: 15%; text-align: center;">  Type E <input type="checkbox"/> </div> <div style="width: 15%; text-align: center;">  Type G <input type="checkbox"/> </div> <div style="width: 15%; text-align: center;">  Type M <input type="checkbox"/> </div> <div style="width: 15%; text-align: center;">  Type H <input type="checkbox"/> </div> <div style="width: 15%; text-align: center;">  Type I <input type="checkbox"/> </div> <div style="width: 15%; text-align: center;">  Type J <input type="checkbox"/> </div> <div style="width: 15%; text-align: center;">  Type F <input type="checkbox"/> </div> <div style="width: 15%; text-align: center;">  Type K <input type="checkbox"/> </div> <div style="width: 15%; text-align: center;">  Type L <input type="checkbox"/> </div> <div style="width: 15%; text-align: center;">  Type N <input type="checkbox"/> </div> <div style="width: 15%; text-align: center;">  Type O <input type="checkbox"/> </div> <div style="width: 15%; text-align: center;">  Type P <input type="checkbox"/> </div> <div style="width: 15%; text-align: center;">  Type Q <input type="checkbox"/> </div> <div style="width: 15%; text-align: center;">  Type R <input type="checkbox"/> </div> <div style="width: 15%; text-align: center;">  Type S <input type="checkbox"/> </div> <div style="width: 15%; text-align: center;">  Type T <input type="checkbox"/> </div> </div>																			
Name of the isolated technological equipment <input style="width: 90%;" type="text"/>																			
Type	H	B	L	H1	H2	D	L1	L2	T	Type	H	B	L	H1	H2	D	L1	L2	T
construction	height	width	length	height 1	height 2	diameter	length 1	length 2	thermal insulation	construction	height	width	length	height 1	height 2	diameter	length 1	length 2	thermal insulation
Additional requirements The customer																			

Information about the customer.	
Customer?* The company?*	
Object / # Order form / Date	
Phone / Your name?*	
Mail:	

General Parameters.		* 000,00 - Fill it out & <input checked="" type="checkbox"/> mark it.
Operating conditions	Indoors <input type="checkbox"/> On the street <input type="checkbox"/> In the channel <input type="checkbox"/>	
Thermal insulation material	Pipewool <input type="checkbox"/> Mineral wool: Plates <input type="checkbox"/> Mats <input type="checkbox"/> Segments <input type="checkbox"/>	
	PU foam <input type="checkbox"/> Foam rubber <input type="checkbox"/> Foam glass <input type="checkbox"/> Other <input style="width: 150px;" type="text"/>	
Thermal insulating	Marking <input style="width: 100px;" type="text"/> Thickness <input style="width: 100px;" type="text"/> mm <input type="checkbox"/> - TO ORDER	
Protective coating	Aluminum foil (Alu) <input type="checkbox"/>	
Waterproofing	yes <input type="checkbox"/> no <input type="checkbox"/> Material <input style="width: 200px;" type="text"/>	
External dimensions (mm)	Height H <input style="width: 100px;" type="text"/> mm Width B / Diameter D <input style="width: 100px;" type="text"/> mm Length L <input style="width: 100px;" type="text"/> mm	
Holes for fittings	Diameter D2 of the hole for the pipeline <input style="width: 100px;" type="text"/> mm <input style="width: 50px;" type="text"/> pcs	
Cramped conditions		
Number of products (pcs)	<input style="width: 100px;" type="text"/> pcs	

Protective shell.		* 000,00 - Fill it out & <input checked="" type="checkbox"/> mark it.
Metal type & thickness (mm)	Zn galvanized steel <input type="checkbox"/> 0,50 mm <input type="checkbox"/> 0,55 mm <input type="checkbox"/> 0,80 mm <input type="checkbox"/> 1,00 mm	
	Al Aluminum <input type="checkbox"/> 0,50 mm <input type="checkbox"/> 0,80 mm St Stainless steel <input type="checkbox"/> 0,50 mm	
Connecting segments (GOST)	Closed groove <input checked="" type="checkbox"/> Longitudinal groove <input checked="" type="checkbox"/> Lock groove <input checked="" type="checkbox"/> Overlap <input style="width: 50px;" type="text"/> mm	
Coloring	yes <input type="checkbox"/> no <input type="checkbox"/> Color <input style="width: 150px;" type="text"/>	
Shell fastenings	Locks <input checked="" type="checkbox"/> Self-tapping screw <input type="checkbox"/> Exhaust rivet <input type="checkbox"/> Bandage with a buckle <input type="checkbox"/>	
Number of products (pcs)	<input style="width: 100px;" type="text"/> pcs	

Gate valve Flanged Middle flange: round and oval  <div style="text-align: right;">Code 1 <input style="width: 50px;" type="text"/></div>	Crane Flanged  <div style="text-align: right;">Code 2 <input style="width: 50px;" type="text"/></div>	Ball valve Flanged  <div style="text-align: right;">Code 3 <input style="width: 50px;" type="text"/></div>
Disc shutter  <div style="text-align: right;">Code 4 <input style="width: 50px;" type="text"/></div>	Filter  <div style="text-align: right;">Code 5 <input style="width: 50px;" type="text"/></div>	Flanged connection  <div style="text-align: right;">Code 6 <input style="width: 50px;" type="text"/></div>
Gate valve on welding Middle flange: round and oval  <div style="text-align: right;">Code 7 <input style="width: 50px;" type="text"/></div>	Crane on welding  <div style="text-align: right;">Code 8 <input style="width: 50px;" type="text"/></div>	Ball valve on welding  <div style="text-align: right;">Code 9 <input style="width: 50px;" type="text"/></div>

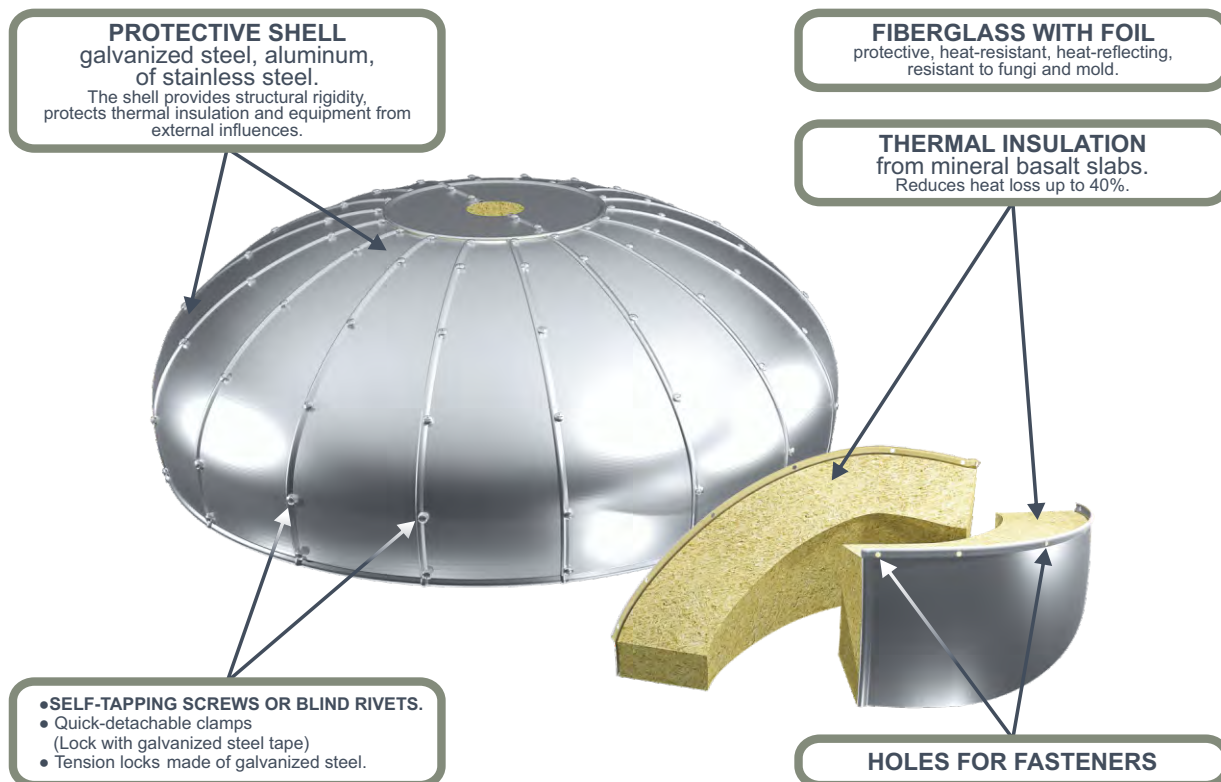
Name of the isolated technological equipment	
----------------------------------------------	--

МАРКА И РАЗМЕРЫ ТРУБОПРОВОДНОЙ АРМАТУРЫ																			
Code armature	Insulation density and thickness (mm)	Dimensions (mm)																Quantity (pcs)	
		D	D1	D2	D3	D4	H1	H2	H3	H4	H5	L	C1	C2	K	N	M		Y

Additional requirements The customer	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center; font-size: 20px;">A</div> <div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center; font-size: 20px;">V</div> <div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center; font-size: 20px;">F</div> </div> <div style="display: flex; justify-content: space-around; align-items: center; margin-top: 10px;"> <div style="border: 1px solid black; width: 20px; height: 20px;"></div> <div style="border: 1px solid black; width: 20px; height: 20px;"></div> <div style="border: 1px solid black; width: 20px; height: 20px;"></div> <div style="border: 1px solid black; width: 20px; height: 20px;"></div> <div style="border: 1px solid black; width: 20px; height: 20px;"></div> <div style="border: 1px solid black; width: 20px; height: 20px;"></div> <div style="border: 1px solid black; width: 20px; height: 20px;"></div> <div style="border: 1px solid black; width: 20px; height: 20px;"></div> <div style="border: 1px solid black; width: 20px; height: 20px;"></div> <div style="border: 1px solid black; width: 20px; height: 20px;"></div> <div style="border: 1px solid black; width: 20px; height: 20px;"></div> <div style="border: 1px solid black; width: 20px; height: 20px;"></div> <div style="border: 1px solid black; width: 20px; height: 20px;"></div> <div style="border: 1px solid black; width: 20px; height: 20px;"></div> <div style="border: 1px solid black; width: 20px; height: 20px;"></div> <div style="border: 1px solid black; width: 20px; height: 20px;"></div> <div style="border: 1px solid black; width: 20px; height: 20px;"></div> <div style="border: 1px solid black; width: 20px; height: 20px;"></div> <div style="border: 1px solid black; width: 20px; height: 20px;"></div> <div style="border: 1px solid black; width: 20px; height: 20px;"></div> <div style="border: 1px solid black; width: 20px; height: 20px;"></div> </div>
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D - is the diameter of the flange.
D1 - is the diameter of the pipeline.
D2 - is the diameter of the steering wheel shaft (handle).
D3 - is the diameter of the box with thermal insulation.
D4 - is the diameter of the box with thermal insulation on the adjacent straight section.
H4 - is the height from the flange to the steering wheel (handle).
H5 - is the required height of the box.

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QDC ZEPPELINS PIPEWOOL

Execution - 1. Zeppelin

- 3. Zeppelin with a side

- 2. Zeppelin with a hole

- 4. Zeppelin with the Board and the hole

Thermal insulation connections

- Segments

- With a holes

view/type thermal insulation

PIPEWOOL

K-FLEX; Mineral wool (Plates; Mats; Segments); Rockwool; Foam glass; Pyrogel; Basalt wool; Other (*additional task); Waterproofing (*additional task)

Marking of insulation

M

80; 100; 120; 150; 200

Insulation thickness (mm)

from 20 to 200 mm

Product outer diameter D1 (mm)

from 1000 to 4000 mm (step 200)

Diameter D2 of the hole for the pipeline (mm)

According to the Customer's TOR

Product height (mm)

from 200 to 1500 mm (According to the Customer's specifications)

Side height (mm)

from 100 mm (According to the Customer's technical specifications)

Metal type & thickness (mm)

Zn 0,50/0,55/0,80/1,00 Al 0,50/0,80 mm St 0,50 mm

Number of segments

Depending on the diameter

Product type for the bottom

Plug (According To the Customer's TOR)

Holes for fasteners

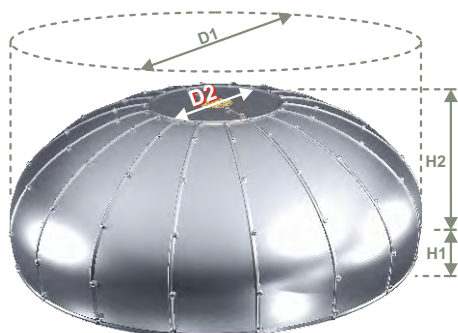
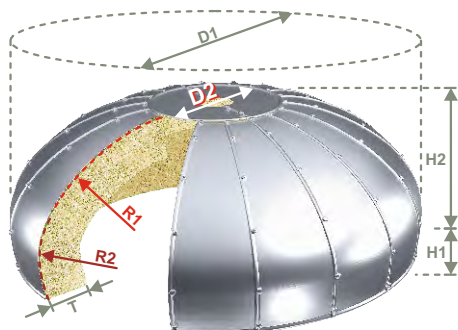
Ø3,2 mm

Mounts and accessories:

Self-tapping screw DIN 7504 M(N)

Exhaust rivet

Staples supporting (assortment)



QDC	PIPEWOOL	M	100	Zn	2100	100	60	080	700	(200)	G	SC
Product type	Manufacturer brand	Product view	Marking of insulation	Metal type	Diameter product D1 (mm)	Diameter hole D2 (mm)	Thermal insulation thickness (mm)	Metal thickness (mm)	Height product H1 (mm)	Height flange H2 (mm)	Product for the hole (t/s)	Mounting type

L - Lock BL - Bandage with a lock BB - Bandage with a buckle SC - Self-tapping screw ER - Exhaust rivet SS - Staples supporting

Information about the customer.

Customer?* The company?*	
Object / # Order form / Date	
Phone / Your name?*	
Mail:	



General Parameters.

* 000,00 - Fill it out & ☒ mark it.

Execution (types of structures)	<input type="checkbox"/> 1. Zeppelin <input type="checkbox"/> 3. Zeppelin with a side <input type="checkbox"/> <input type="checkbox"/> 2. Zeppelin with a hole <input type="checkbox"/> 4. Zeppelin with the Board and the hole <input type="checkbox"/>
Product diameter D	D1 outer <input type="text"/> mm D2 hole <input type="text"/> mm
Height H	H1 side <input type="text"/> GOST <input type="text"/> mm H2 product <input type="text"/> GOST <input type="text"/> mm
Number of segments (pcs)	<input checked="" type="checkbox"/> GOST <input type="text"/> pcs
Product type for the bottom	Plug <input type="text"/> (*additional application) <input type="text"/>
Number of products (pcs)	<input type="text"/> pcs

Thermal insulation.

* 000,00 - Fill it out & ☒ mark it.

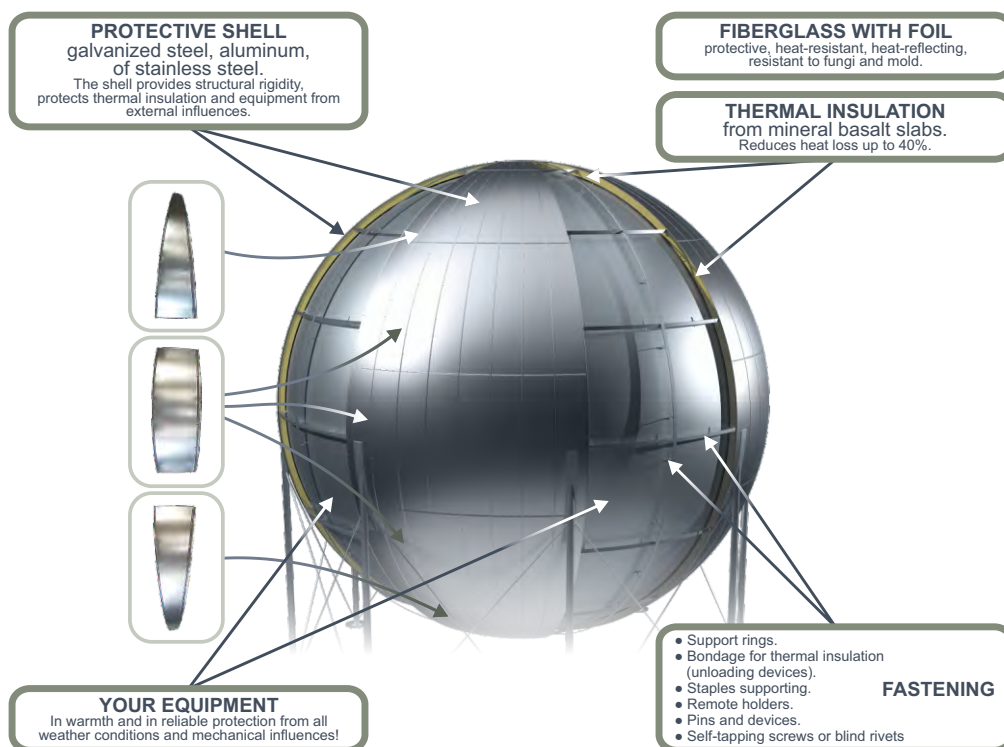
Thermal insulation connections	<input checked="" type="checkbox"/> Segments <input checked="" type="checkbox"/> With a holes <input checked="" type="checkbox"/>
view/type thermal insulation	PIPEWOOL <input checked="" type="checkbox"/> K-FLEX <input type="text"/> Mineral wool: Plates <input type="text"/> Plates <input type="text"/> Segments <input type="text"/> Rockwool <input type="text"/> Foam glass <input type="text"/> Pyrogel <input type="text"/> Basalt wool <input type="text"/> Other <input type="text"/>
Marking of insulation	<input type="text"/> 80 <input type="text"/> 100 <input type="text"/> 120 <input type="text"/> 150 <input type="text"/> 200
Insulation thickness (mm)	<input type="text"/> mm

Protective shell.

* 000,00 - Fill it out & ☒ mark it.

Product diameter D	D1 outer <input type="text"/> mm D2 hole <input type="text"/> mm
Connections at the edges (ridges)	<input checked="" type="checkbox"/> GOST <input type="text"/>
Metal type & thickness (mm)	Zn galvanized steel <input type="text"/> 0,50 mm <input type="text"/> 0,55 mm <input type="text"/> 0,80 mm <input type="text"/> 1,00 mm Al Aluminum <input type="text"/> 0,50 mm <input type="text"/> 0,80 mm St Stainless steel <input type="text"/> 0,50 mm
Design requirements	Overlap <input type="text"/> mm add <input type="text"/>
Coloring	yes <input type="text"/> no <input type="text"/> Color <input type="text"/>
Shell fastenings	Self-tapping screw <input checked="" type="checkbox"/> Exhaust rivet <input type="text"/>

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QDC SPHERE PIPEWOOL

Execution of the construction - Segments

Types of segment connections - Segments - Mounting brackets of the rings

view/type thermal insulation **PIPEWOOL**; K-FLEX; Mineral wool (Plates; Mats; Segments); Rockwool; Foam glass; Pyrogel; Basalt wool; Other (*additional task); Waterproofing (*additional task)


Marking of insulation (M)	80; 100; 120; 150; 200
Product outer diameter D (mm)	from 500 mm (According to the Customer's specifications)
Insulation thickness (mm)	from 20 to 200 mm
Metal type & thickness (mm)	Zn 0,50/0,55/0,80/1,00 Al 0,50/0,80 mm St 0,50 mm
Diameter D2 of the hole for the pipeline (mm)	According to the Customer's TOR
Number of segments	Depending on the diameter
Product type for the bottom	Plug or According to the Customer's TOR
Diameter of the rings (mm)	According to the Customer's TOR
Type / thickness of metal rings	According to the Customer's TOR

Mounts and accessories	Self-tapping screw DIN 7504 M(N)	Exhaust rivet	Locks
	Staples supporting	Support rings	Discharge devices
	Distance holders (in the assortment)		

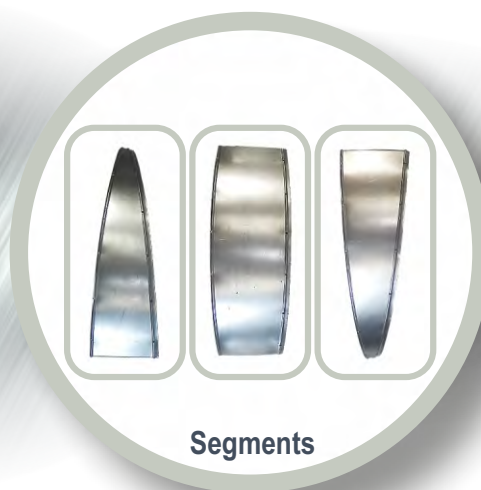
QDC	PIPEWOOL	S	150	Zn	3000	150	080	180	50	230
Product type	Manufacturer brand	Product view	Marking of insulation	Metal type	Shell diameter D (mm)	Thermal insulation thickness (mm)	Metal thickness (mm)	Diameter hole D1 (mm)	Number of segments (pieces)	Shell diameter plug D2 (mm)

L - Lock BL - Bandage with a lock BB - Bandage with a buckle SC - Self-tapping screw ER - Exhaust rivet SS - Staples supporting

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24/1 Kemerovskaya St., Kopeysk, Chelyabinsk region, 456612, Russia +7(35139) 2-79-00

Information about the customer.	
Customer?* The company?*	
Object / # Order form / Date	
Phone / Your name?*	
Mail:	



General Parameters.	
Outer diameter of the sphere D (mm) <input type="text"/> mm	Diameter D2 of the hole for the pipeline <input type="text"/> mm
Product type for the bottom	Plug <input type="checkbox"/> (*additional application)

Calculation of components.	
Number of support rings KO	<input type="text"/> pcs (*formula N1S)
Number of EKO elements	<input type="text"/> pcs (*formula N2)
Number of paws for KO	<input type="text"/> pcs (*formula N3)
Number of pins for SB1	<input type="text"/> pcs (*formula N4)
Number of pins for on the sphere	<input type="text"/> pcs (*formula N5S)

Protective shell.	
Connections at the edges (ridges)	<input checked="" type="checkbox"/> GOST <input type="text"/>
Metal type & thickness (mm)	Zn galvanized steel <input type="checkbox"/> 0,50 mm <input type="checkbox"/> 0,55 mm <input type="checkbox"/> 0,80 mm <input type="checkbox"/> 1,00 mm
	Al Aluminum <input type="checkbox"/> 0,50 mm <input type="checkbox"/> 0,80 mm <input type="checkbox"/> St Stainless steel <input type="checkbox"/> 0,50 mm
Design requirements	Overlap <input type="text"/> mm add <input type="text"/>
Coloring	yes <input type="checkbox"/> no <input type="checkbox"/> Color <input type="text"/>
Shell fastenings	Self-tapping screw <input checked="" type="checkbox"/> Exhaust rivet <input type="checkbox"/>
Cramped conditions	<input type="text"/>

Thermal insulation.	
view/type thermal insulation	PIPEWOOL <input checked="" type="checkbox"/> K-FLEX <input type="checkbox"/> Mineral wool: Plates <input type="checkbox"/> Plates <input type="checkbox"/> Segments <input type="checkbox"/>
	Rockwool <input type="checkbox"/> Foam glass <input type="checkbox"/> Pyrogel <input type="checkbox"/> Basalt wool <input type="checkbox"/> Other <input type="text"/>
Marking of insulation	<input type="text"/> 80 <input type="text"/> 100 <input type="text"/> 120 <input type="text"/> 150 <input type="text"/> 200
Insulation thickness (mm)	<input type="text"/> mm 1 layer <input type="checkbox"/> 2 layer <input type="checkbox"/>
Waterproofing	yes <input type="checkbox"/> no <input type="checkbox"/> Material <input type="text"/>

Formula N1S
$N1 = \frac{L-L1-L2}{1000mm} + 1$

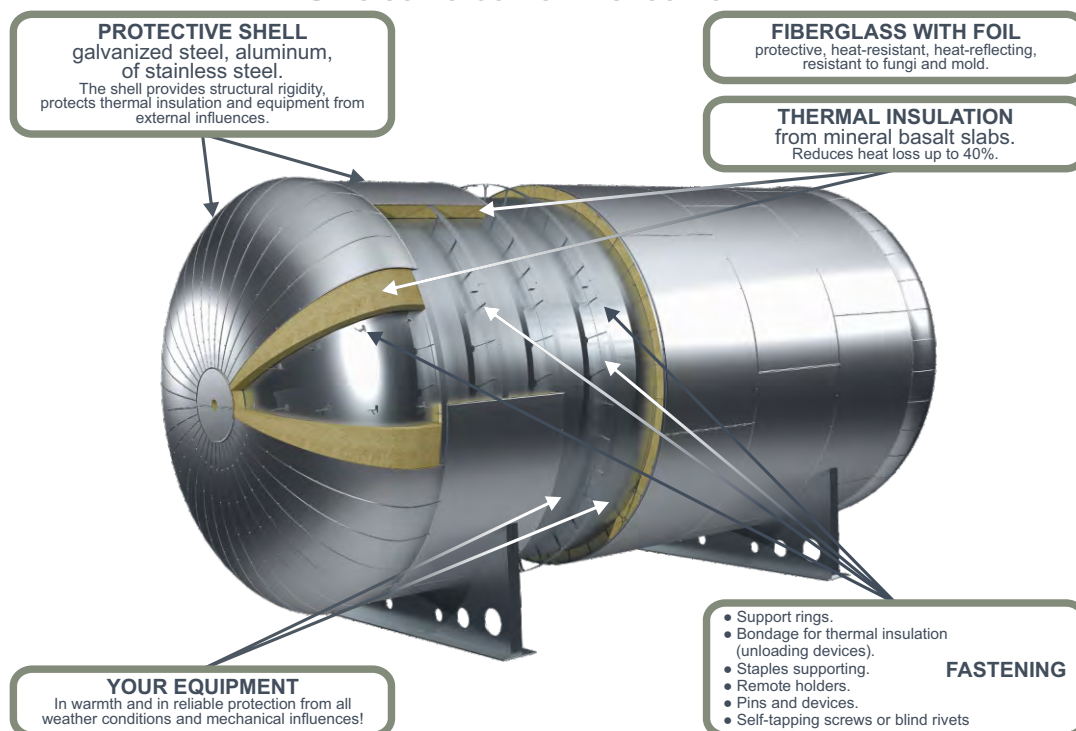
Formula N2
$N2 = \frac{D*3,14}{2500mm}$

Formula N3
$N3 = \frac{D*3,14}{500mm} + 1$

Formula N4
$N4 = \frac{D*3,14}{250mm} + 1$

Formula N5S
$N5S = (2L+1)*D*3,14*3$

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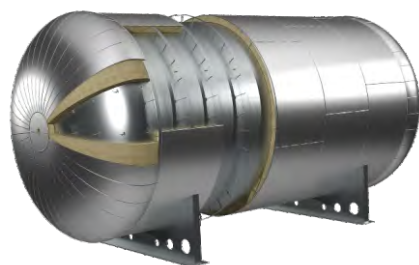
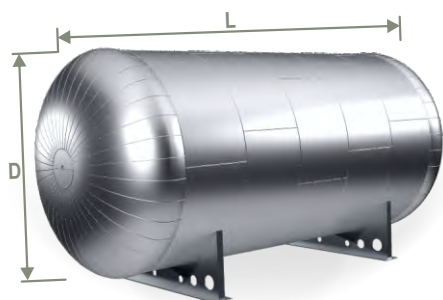


QDC CAPACITIVE PIPEWOOL

Execution of the construction - Segments

Types of segment connections - Segments - Mounting brackets of the rings

view/type thermal insulation PIPEWOOL; K-FLEX; Mineral wool (Plates; Mats; Segments); Rockwool; Foam glass; Pyrogel; Basalt wool; Other (*additional task); Waterproofing (*additional task)



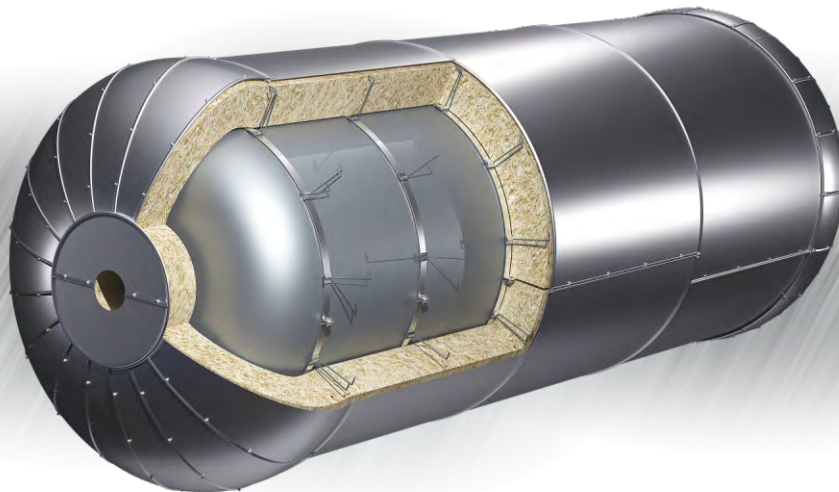
Direction	Vertical or Horizontal		
Marking of insulation	80; 100; 120; 150; 200		
Product outer diameter D (mm)	from 500 mm (According to the Customer's specifications)		
Capacitive length (mm)	from 500 mm (According to the Customer's specifications)		
Insulation thickness (mm)	from 20 to 200 mm		
Metal type & thickness (mm)	Zn 0,50/0,55/0,80/1,00	Al 0,50/0,80 mm	St 0,50 mm
Diameter D ₂ of the hole for the pipeline (mm)	According to the Customer's TOR		
Number of segments	Depending on the diameter		
Product type for the bottom	Zeppelin or According to the Customer's TOR		
Diameter of the rings (mm)	According to the Customer's TOR		
Type / thickness of metal rings	According to the Customer's TOR		
Accessories	Assortment / According to the Customer's technical specifications		
Mounts and accessories	Self-tapping screw DIN 7504 M(N)	Exhaust rivet	Locks
	Staples supporting	Support rings	Discharge devices
			Distance holders (in the assortment)

QDC	PIPEWOOL	E	150	Zn	1500	3000	150	080	34	M
Product type	Manufacturer brand	Product view	Marking of insulation	Metal type	Shell diameter D (mm)	Shell length L (mm)	Thermal insulation thickness (mm)	Metal thickness (mm)	Number of segments (pieces)	Product for the bottom (t/s)

L - Lock BL - Bandage with a lock BB - Bandage with a buckle SC - Self-tapping screw ER - Exhaust rivet SS - Staples supporting

Information about the customer.

Customer?* The company?*	
Object / # Order form / Date	
Phone / Your name?*	
Mail:	



General Parameters.

* 000,00 - Fill it out & ☒ mark it.

Direction	Horizontal <input type="checkbox"/>	Vertical <input type="checkbox"/>
Outer diameter on the tank D (mm)	<input type="text"/> mm	Diameter D2 of the hole for the pipeline <input type="text"/> mm
Tank length L	<input type="text"/> mm (*view the next page)	<input type="text"/> mm (*view the next page)
Bottom length L1	<input type="text"/> mm (*view the next page)	<input type="text"/> mm (*view the next page)
Bottom length L2	<input type="text"/> mm (*view the next page)	<input type="text"/> mm (*view the next page)
Product type for the bottom	Zeppelin <input type="checkbox"/> (*additional application)	

Calculation of components.

* 000,00 - Fill it out & ☒ mark it.

Number of support rings KO	<input type="text"/> pcs (*formula N1)	<input type="text"/> pcs (*formula N1)
Number of EKO elements	<input type="text"/> pcs (*formula N2)	<input type="text"/> pcs (*formula N2)
Number of paws for KO	<input type="text"/> pcs (*formula N3)	<input type="text"/> pcs (*formula N3)
Number of pins for SB1	<input type="text"/> pcs (*formula N4)	<input type="text"/> pcs (*formula N4)
Number of pins for on the tank	<input type="text"/> pcs (*formula N5H)	<input type="text"/> pcs (*formula N5U)

Protective shell.

* 000,00 - Fill it out & ☒ mark it.

Connections at the edges (ridges)	<input checked="" type="checkbox"/> GOST <input type="text"/>
Metal type & thickness (mm)	Zn galvanized steel <input type="checkbox"/> 0,50 mm <input type="checkbox"/> 0,55 mm <input type="checkbox"/> 0,80 mm <input type="checkbox"/> 1,00 mm Al Aluminum <input type="checkbox"/> 0,50 mm <input type="checkbox"/> 0,80 mm <input type="checkbox"/> St Stainless steel <input type="checkbox"/> 0,50 mm
Design requirements	Overlap <input type="text"/> mm add <input type="text"/>
Coloring	yes <input type="checkbox"/> no <input type="checkbox"/> Color <input type="text"/>
Shell fastenings	Self-tapping screw <input checked="" type="checkbox"/> Exhaust rivet <input type="checkbox"/>
Cramped conditions	

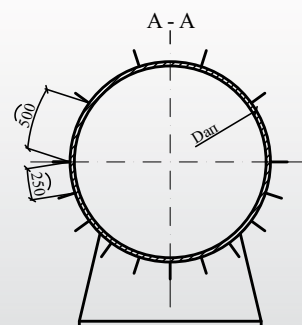
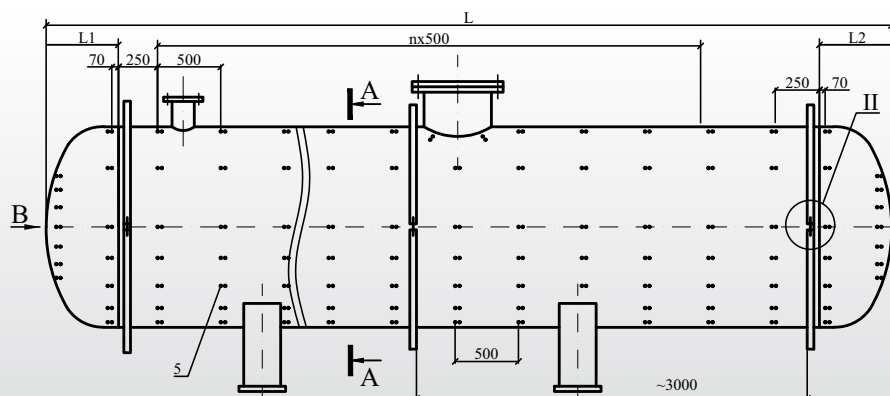
Thermal insulation.

* 000,00 - Fill it out & ☒ mark it.

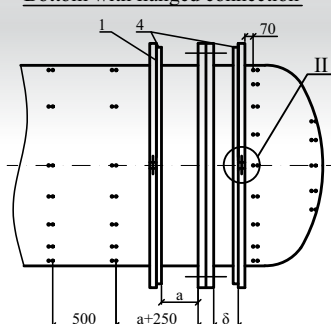
view/type thermal insulation	PIPEWOOL <input checked="" type="checkbox"/> K-FLEX <input type="checkbox"/> Mineral wool: Plates <input type="checkbox"/> Plates <input type="checkbox"/> Segments <input type="checkbox"/> Rockwool <input type="checkbox"/> Foam glass <input type="checkbox"/> Pyrogel <input type="checkbox"/> Basalt wool <input type="checkbox"/> Other <input type="text"/>
Marking of insulation	<input type="text"/> 80 <input type="text"/> 100 <input type="text"/> 120 <input type="text"/> 150 <input type="text"/> 200
Insulation thickness (mm)	<input type="text"/> mm 1 layer <input type="checkbox"/> 2 layer <input type="checkbox"/>
Waterproofing	yes <input type="checkbox"/> no <input type="checkbox"/> Material <input type="text"/>

Formula N1	Formula N2	Formula N3	Formula N4	Formula N5H
$N1 = \frac{L-L1-L2}{1000mm} + 1$	$N2 = \frac{D*3,14}{2500mm}$	$N3 = \frac{D*3,14}{500mm} + 1$	$N4 = \frac{D*3,14}{250mm} + 1$	$N5H = (2L+1)*D*3,14*3$

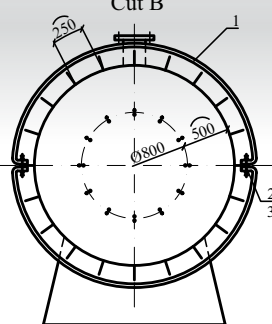
ARRANGEMENT OF RINGS AND PINS ON A HORIZONTAL TANK



Bottom with flanged connection



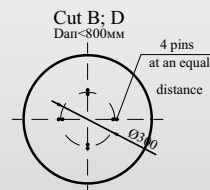
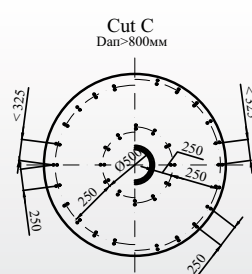
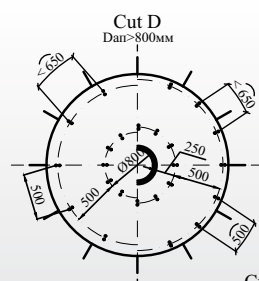
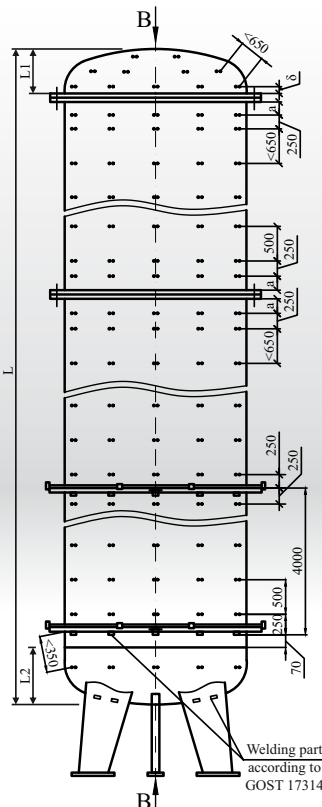
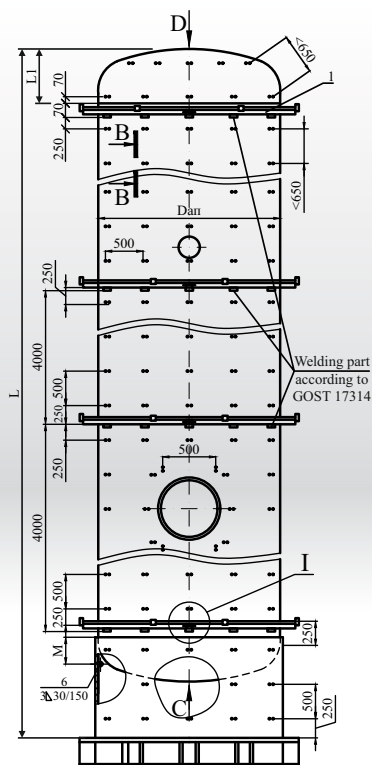
Cut B



#	Designation	Name	Quantity	Weight units/kg	Notes
1		Support ring			
2		Bolt M12x50-001 GOST 7798			
3		Nut M12-001 GOST 5915			
4		Diaphragm			
5		Pin (metal wire 5-O-4 GOST 17314)			

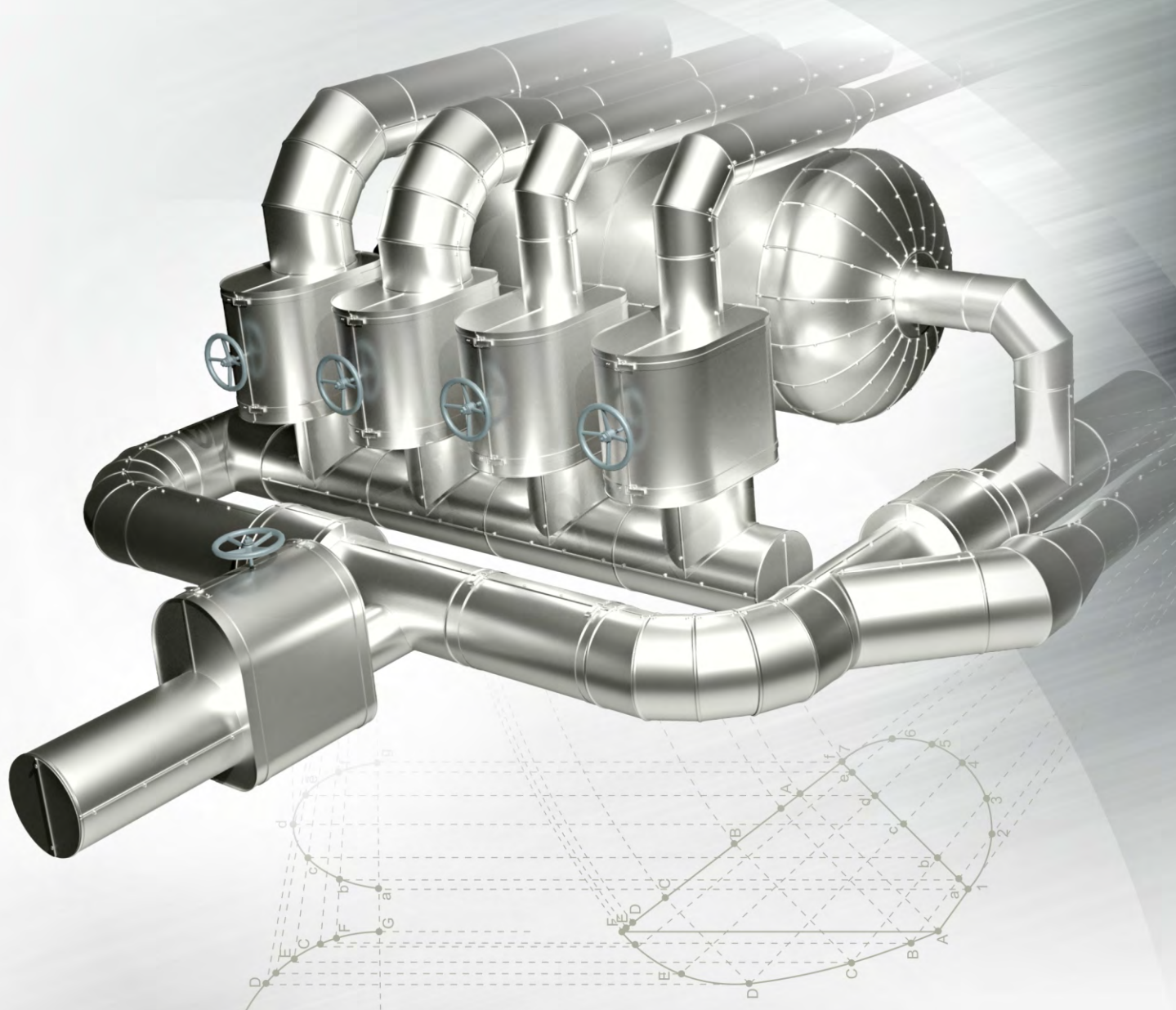
1. Placement of support rings see 7.903.9-9.19.3-01.
2. Cut B-B see 7.903.9-9.19.3-12.
3. If there are welded parts in accordance with the appendix 1 GOST 17314 pins (position 5) are installed in the welded parts. Pins are made according to GOST 17314.

ARRANGEMENT OF RINGS AND PINS ON A VERTICAL TANK



#	Designation	Name	Quantity	Weight units/kg	Notes
1		Support ring			
2		Bolt M12x50-001 GOST 7798			
3		Nut M12-001 GOST 5915			
4		Diaphragm			
5		Pin (metal wire 5-O-Ч GOST 17314)			

1. Placement of support rings see 7.903.9-9.19.3-01.
2. Cut B-B see 7.903.9-9.19.3-12.
3. It is allowed to weld the support foot type I directly to the tank, welding step 250-300 mm.



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