

## YOUR EQUIPMENT

In warmth and in reliable protection from all weather conditions and mechanical influences!

## PIPEWOOL S - SPHERE



Execution of the construction - Segments

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

Product outer diameter D (mm) from 500 mm (According to the Customer's specifications)

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<sub>2</sub> 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

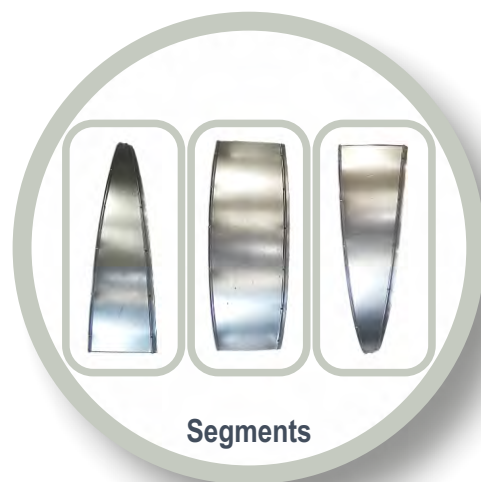
Type / thickness of metal rings According to the Customer's TOR

Accessories Assortment / According to the Customer's technical specifications



















<b>O3</b>	<b>PIPEWOOL</b>	<b>SZn</b>	<b>3000</b>	<b>080</b>	<b>180</b>	<b>G</b>
Product type	Manufacturer brand	Product view; Metal type	Shell diameter D (mm)	Metal thickness (mm)	Diameter hole D1 (mm)	Product for the bottom (t/s)



It is possible to manufacture an internal hole for fittings, fittings. All shells are equipped with the necessary number of rivets or screws (at the request of the customer). Discounts are provided depending on the purchase volume. Prices are shown with VAT.

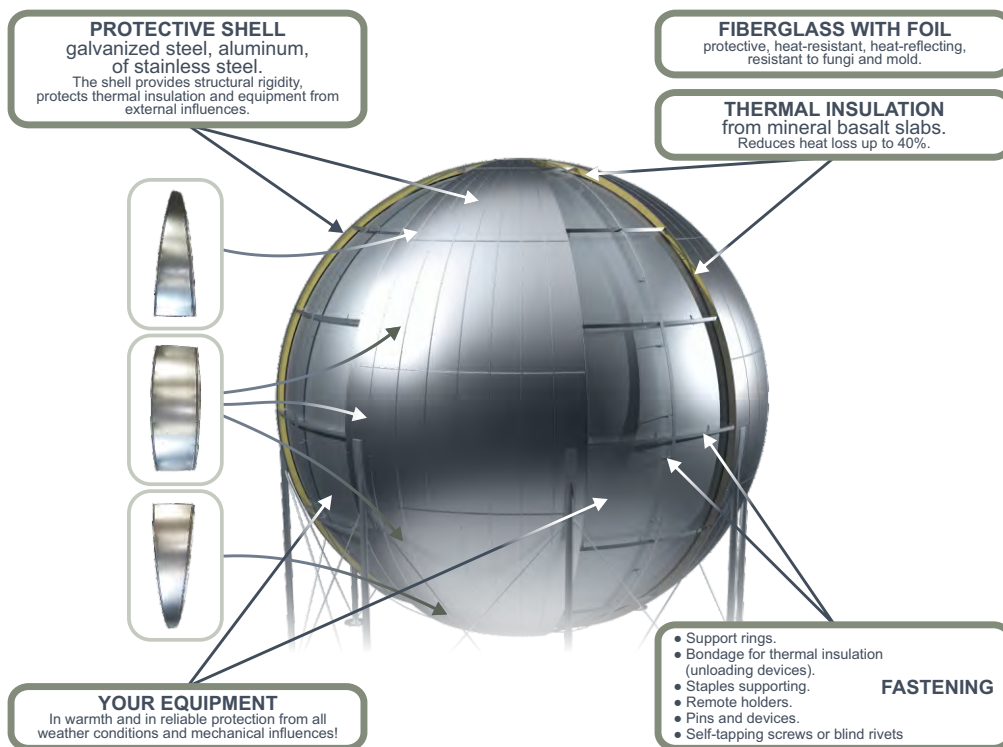


TU 4937-002-61278130-2016

Execution of the construction	 - Segments			
Types of segment connections	 - Segments	 - Mounting brackets of the rings		
Shell connections	 - Open ridge	 - Closed ridge	 - Longitudinal ridge	
Feature	Product outer diameter D (mm) 	from 500 mm (According to the Customer's specifications)		
	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 <sub>2</sub> 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		
	Accessories 	Assortment / According to the Customer's technical specifications		
Metal type	 Galvanized steel;  Aluminum;  Stainless steel.			
Mounting direction	 Double-sided			
Marking	<div><div>O3</div><div>PIPEWOOL</div><div>SZn</div><div>3000</div><div>080</div><div>180</div><div>G</div></div> <div><div>Product type</div><div>Manufacturer brand</div><div>Product view; Metal type</div><div>Shell diameter D (mm)</div><div>Metal thickness (mm)</div><div>Diameter hole D<sub>1</sub> (mm)</div><div>Product for the bottom (t/s)</div></div>			

# Quick-detachable constructions Pipewool

TU 23.99.19-004-61278130-2017



## 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	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)		

<b>QDC</b>	<b>PIPEWOOL</b>	<b>S</b>	<b>150</b>	<b>Zn</b>	<b>3000</b>	<b>150</b>	<b>080</b>	<b>180</b>	<b>50</b>	<b>230</b>
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

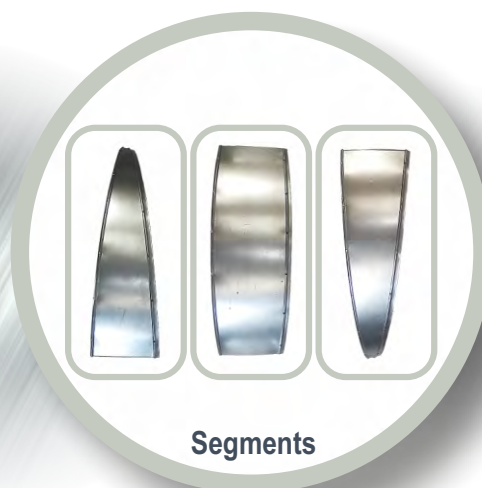
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Information about the customer.	
Customer?* The company?*	
Object / # Order form / Date	
Phone / Your name?*	
Mail:	



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**

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