INNOVATIVE SOLUTIONS

PIPEWOOL Trust the quality!

PROTECTIVE METAL CASINGS

KZF-K Protective casing with movable bracket

The design of the protective casing for flanged connections of pipelines, valves and pipe fittings has successfully proven itself in the operation of cold and hot water supply, during the transportation of hazardous substances or liquids with high temperature, under high pressure, used in various construction and administrative complexes, industrial enterprises, oil and chemical industry enterprises, medical and educational institutions, food production, sports facilities and high-rise buildings.

It is used to protect the maintenance personnel during the emergency maintenance of the pipeline «at the sections of their connections». They are attached to the flanged connections of the pipeline, valves and pipeline fittings, by «covering them externally with» quick-release connections.

KZF-L Protective casing with locks

It is installed on flanged connections to protect against spilling of dangerous working media in case of violation of the tightness of the gasket materials, the impact of corrosion of the connected surfaces.

PURPOSE OF PROTECTIVE COVERS:

- The product belongs to the field of auxiliary protective devices for connecting pipeline components, such as flanged connections and shut-off valves.
- The product is designed to protect personnel and surrounding equipment from splashing of high-temperature liquids and gases pumped under pressure, including aggressive and toxic, taking into account their dangerous effects on humans, emissions associated with the depressurization of flange connections or valves.

All the casings used must provide reliable protection of personnel, the possibility of repeated use, convenience and ease of installation.

- They are installed on the flanges of pipelines that pump liquid reagents and chemical media that do not cause any impact on the material of the protective casing.

KZF-B Protective casing with bolted connection

In accordance with the wishes or necessary conditions of the Customer, dictated by the requirements of the project used, the design of the protective casing can be made with additional emergency equipment in the form of drainage holes, an emergency hose or a fitting, as well as additionally painted in the desired color.

KZF-TL Protective tape with lock

For a reserve margin of safety and preservation of the integrity of the protective structure, in case of emergency maintenance, it becomes necessary to have drainage holes to reduce the excess load on the protective casing.

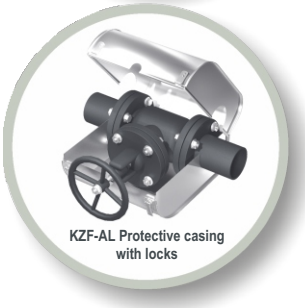
Drainage holes are made on the structure from those sides that are directed from the access side to it. The pressure of liquids in an aggressive state, as well as their vapors, is drained through the holes. They prevent the splashing of liquids and make their direction predictable.

KZF-AK Protective casing with movable bracket

*Drainage holes are NOT ALLOWED on the accessible side of the structure for maintenance!

KZF-TB Protective tape with bolted connection

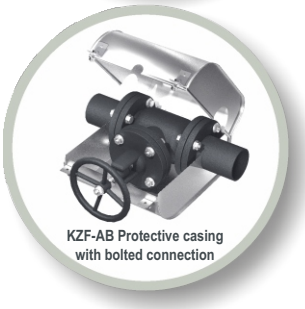
To set the predicted direction of the jet of vapors and splashing liquids, fittings are used, which, unlike simple holes, cope with this task more efficiently, which significantly increases the safety of using the protective casing when servicing them in case of emergency situations. The fittings are installed in the holes on the structure from those sides that are directed from the access side to it.



KZF-AL Protective casing with locks

*It is NOT ALLOWED to install fittings on the accessible side of the structure for maintenance However, in order to be able to divert the direction of the jet vector, the fittings must be located so that ACCESS TO THEM IS NOT DIFFICULT!

There are situations when there is a need to divert even the predicted direction of the jet. To set a certain direction of the vector of the discharge of the jet of vapors and splashing liquids, an emergency reinforced high-pressure hose is put on the fitting.



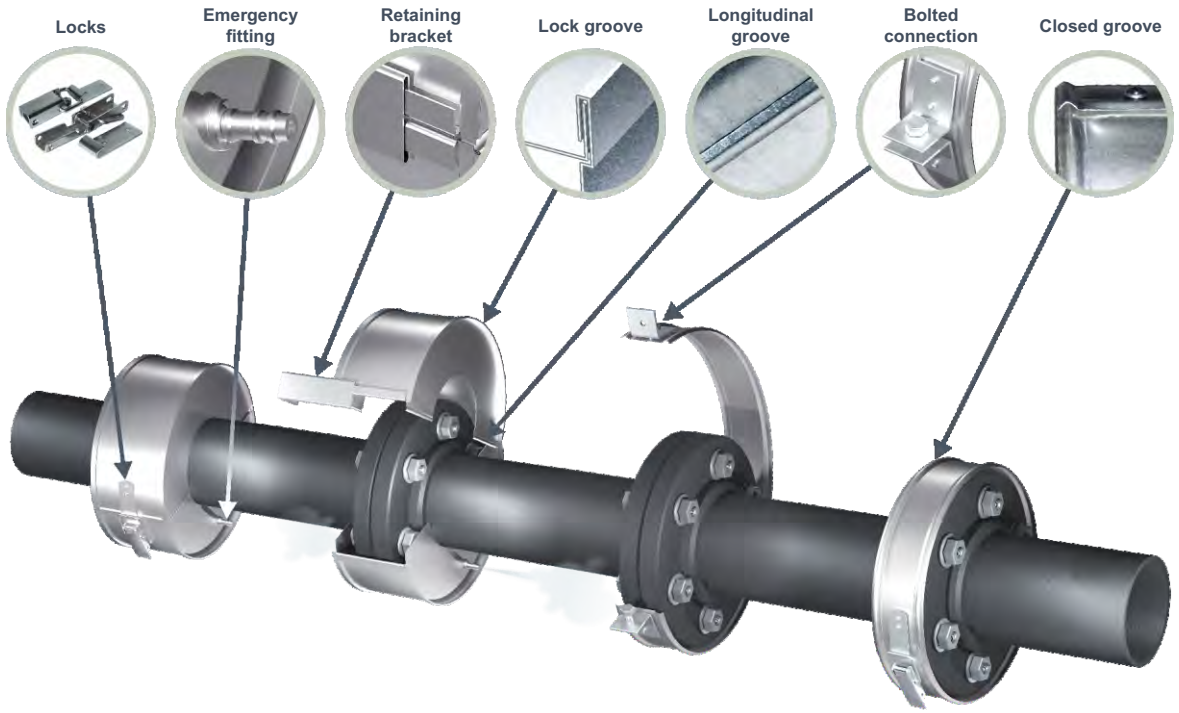
KZF-AB Protective casing with bolted connection

Installation of the protective casing does not require special skills and abilities, as well as special devices and is carried out in one stage:

- The casing is fixed using locks, a movable bracket or a bolted connection.

✆ +7 (800) 302-14-42 (free of charge)
☎ +7 (35139) 2-79-00

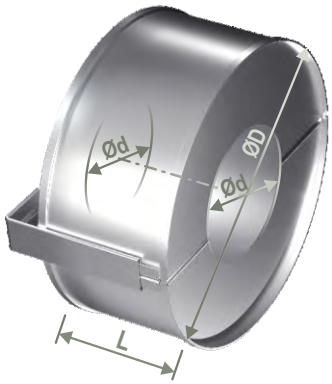
PROTECTIVE METAL CASING FOR FLANGE • KZF



Execution (types of construction)

- **KZF-K** (Protective casing with movable bracket)
- **KZF-L** (Protective casing with locks)
- **KZF-B** (Protective casing with bolted connection)
- **KZF-TL** (Protective tape with lock)
- **KZF-TB** (Protective tape with bolted connection)

Zn **Galvanized steel;** Al **Aluminum;** St **Stainless steel.**



Temperature	**from -50°C to +450°C.**
Pressure PN	**from Du 15 to Du 1200 Mpa.**
Product outer diameter D (mm)	**from 115 mm or more** (According to the Customer's technical specification).
Product length L (mm)	**from 100 mm or more** (According to the Customer's technical specification).
Metal type & thickness (mm)	**Zn 0,50/0,55/0,80/1,00mm; Al 0,50/0,80 mm; St 0,50 mm**
Diameter d of the hole for the pipeline (mm)	**from 35 to 815 mm** (According to the Customer's technical specification).
Emergency equipment	**Drainage holes, fitting, hose** (According to the Customer's technical specification).
Fastening of construction segments	**Lock; movable bracket; bolted connection.**
Mounting direction	**Two-sided or Directional.**

KZF-L	St050	115	160	35	100	C	W
Product type (KZF with a locks)	Metal type and thickness	Shell diameter D (mm)	Pressure PN (MPa)	Pipe diameter d (mm)	Product length L (mm)	Emergency snap-in Connector	Coloring color

KZF-K	Zn055	185	63	70	150	Dh
Product type (KZF with bracket)	Metal type and thickness	Shell diameter D (mm)	Pressure PN (MPa)	Pipe diameter d (mm)	Product length L (mm)	Emergency snap-in Drainage holes

KZF-B	Zn080	590	16	445	190	C
Product type (KZF with a bolts)	Metal type and thickness	Shell diameter D (mm)	Pressure PN (MPa)	Pipe diameter d (mm)	Product length L (mm)	Emergency snap-in Connector

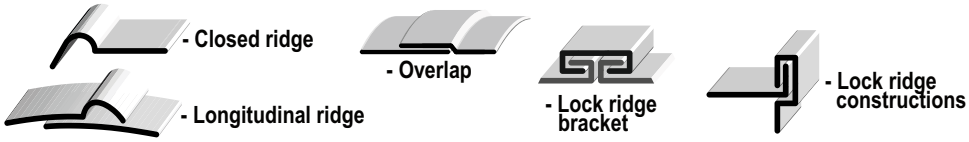
It is possible to manufacture an internal hole for fittings, fittings. All shells are equipped with the necessary number of rivets or screws (at the request of the customer). Discounts are provided depending on the purchase volume. Prices are shown with VAT.

PROTECTIVE METAL CASING FOR FLANGE • KZF

KZF-K Protective casing with movable bracket

KZF-L Protective casing with locks

KZF-TB Protective tape with bolted connection

Execution (types of construction)	**KZF-K** (Protective casing with movable bracket); **KZF-L** (Protective casing with locks); **KZF-B** (Protective casing with bolted connection); **KZF-TL** (Protective tape with lock); **KZF-TB** (Protective tape with bolted connection)
Types of shell connections	 - Closed ridge; - Longitudinal ridge; - Overlap; - Lock ridge bracket; - Lock ridge constructions
Feature	
Temperature	**from -50°C to +450°C.**
Pressure PN	**from Du 15 to Du 1200 Mpa.**
Product outer diameter D (mm)	**from 115 mm or more** (According to the Customer's technical specification).
Product length L (mm)	**from 100 mm or more** (According to the Customer's technical specification).
Metal type & thickness (mm)	**Zn 0,50/0,55/0,80/1,00mm; Al 0,50/0,80 mm; St 0,50 mm**
Diameter d of the hole for the pipeline (mm)	**from 35 to 815 mm** (According to the Customer's technical specification).
Emergency equipment	**Drainage holes, fitting, hose** (According to the Customer's technical specification).
Fastening of construction segments	**Lock; movable bracket; bolted connection.**
Metal type	**Zn Galvanized steel; Al Aluminum; St Stainless steel.**
Mounting direction	**Two-sided or Directional.**

Marking

KZF-L	St050	115	160	35	100	C	W
Product type (KZF with a locks)	Metal type and thickness	Shell diameter D (мм)	Pressure PN (MPa)	Pipe diameter d (мм)	Product length L (мм)	Emergency snap-in Connector	Coloring color

KZF-K	Zn055	185	63	70	150	Dh
Product type (KZF with bracket)	Metal type and thickness	Shell diameter D (мм)	Pressure PN (MPa)	Pipe diameter d (мм)	Product length L (мм)	Emergency snap-in Drainage holes

KZF-B	Zn080	590	16	445	190	C
Product type (KZF with a bolts)	Metal type and thickness	Shell diameter D (мм)	Pressure PN (MPa)	Pipe diameter d (мм)	Product length L (мм)	Emergency snap-in Connector

KZF-FLANGE PIPEWOOL

teplo@pipewool.ru +7(800) 302-14-42
24/1 Kemerovskaya St., Kopeysk, Chelyabinsk region, 456612, Russia +7(35139) 2-79-00

PIPEWOOL
Trust the quality!

CUSTOMER SURVEY SHEET # _____

PROTECTIVE METAL CASING FOR FLANGE • KZF

SURVEY SHEET • KZF-FLANGE PIPEWOOL

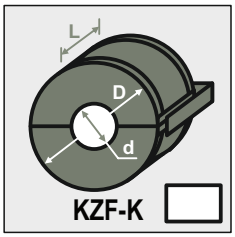
Information about the customer.	
Customer?* The company?*	
Object / # Order form / Date	
Phone / Your name?*	
Mail:	

KZF-K Protective casing with movable bracket

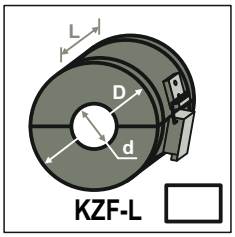
KZF-L Protective casing with locks

KZF-TB Protective tape with bolted connection

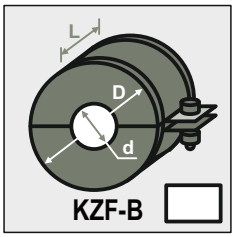
General Parameters.	* 000,00 - Fill it out & ☑ mark it.
Name of the technological equipment	



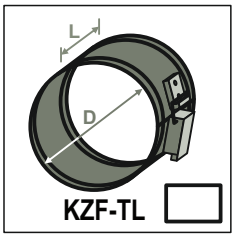
KZF-K ☐



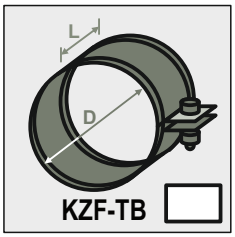
KZF-L ☐



KZF-B ☐



KZF-TL ☐



KZF-TB ☐

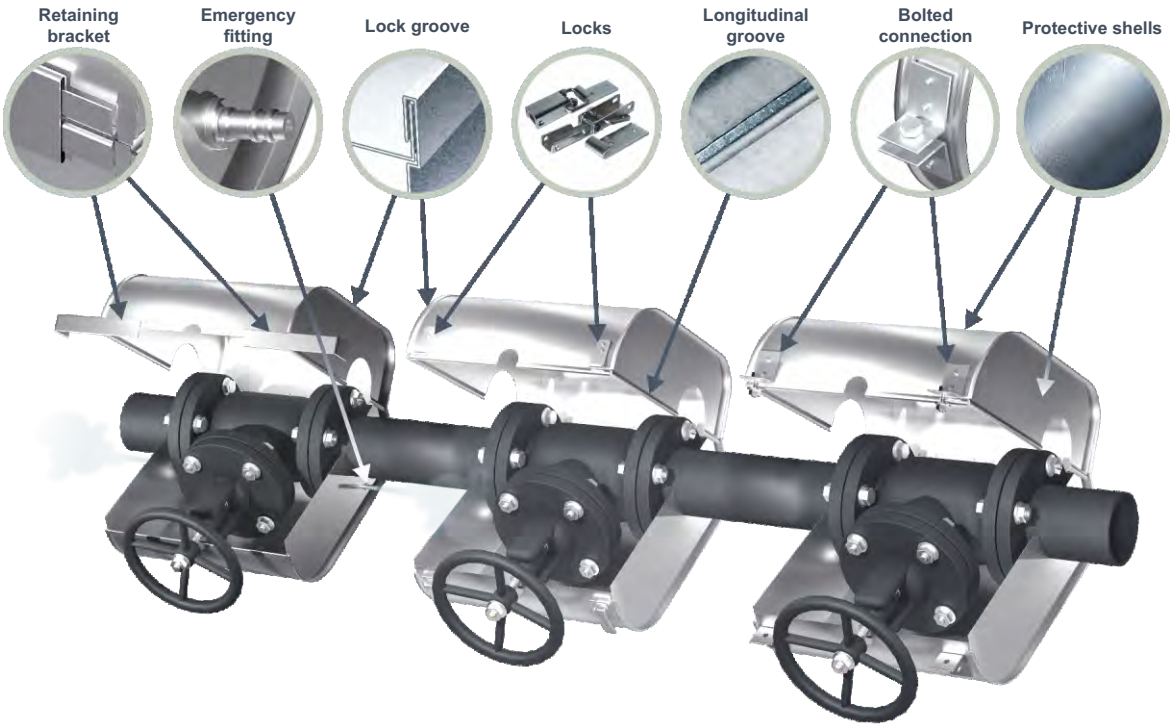
Product outer diameter **D** (mm)	☐ mm	
Pressure **PN**	☐ Mpa	
Pipeline temperature	☐ °C	
Composition of the pumped liquid	☐	
Pipeline diameter **d** (mm)	☐ mm	
Product length **L** (mm)	☐ mm	
Number of products (pcs)	☐ pcs	

Protective shell.	* 000,00 - Fill it out & ☑ mark it.
Metal type & thickness (mm)	**Zn** galvanized steel ☐ 0,50 mm ☐ 0,55 mm ☐ 0,80 mm ☐ 1,00 mm
	Al Aluminum ☐ 0,50 mm ☐ 0,80 mm **St** Stainless steel ☐ 0,50 mm
Connections at the edges (ridges)	☑ GOST
Design requirements	Overlap ☐ mm add
Coloring	**yes** ☐ **no** ☐ **Color**
Cramped conditions	

Additionally.	* 000,00 - Fill it out & ☑ mark it.			
Emergency equipment	Drainage holes* ☐	Fitting* ☐	Hose* ☐	*Be sure to attach a diagram!

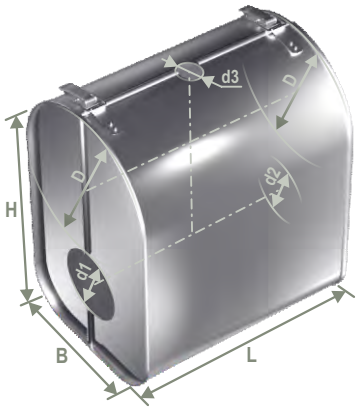
teplo@pipewool.ru
24/1 Kemerovskaya St., Kopeysk, Chelyabinsk region, 456612, Russia
+7(800) 302-14-42
+7(35139) 2-79-00

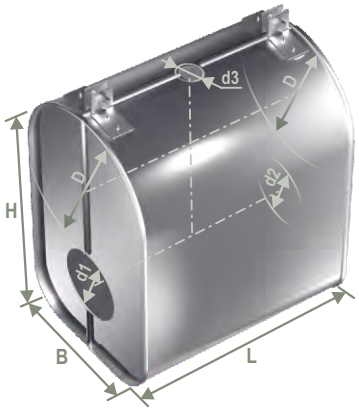
PROTECTIVE METAL CASING FOR ARMATURE • KZF-A



Execution (types of construction)

- **KZF-AK** (Protective casing with movable bracket)
- **KZF-AL** (Protective casing with locks)
- **KZF-AB** (Protective casing with bolted connection)





Zn Galvanized steel; Al Aluminum; St Stainless steel.

Temperature	**from -50°C to +450°C.**
Pressure PN	**from Du 15 to Du 1200 Mpa.**
Shell Width B / Height H (mm)	**from 115 mm and more** (According to the Customer's TOR).
Shell Diameter D (mm)	**from 115 mm and more** (According to the Customer's TOR).
Product length L (mm)	**from 100 mm or more** (According to the Customer's technical specification).
Metal type & thickness (mm)	**Zn 0,50/0,55/0,80/1,00mm; Al 0,50/0,80 mm; St 0,50 mm**
Diameter of the holes for pipeline / gate valve (mm)	**from 35 to 815 mm** (According to the Customer's TOR).
Emergency equipment	**Drainage holes, fitting, hose** (According to the Customer's technical specification).
Fastening of construction segments	**Lock; movable bracket; bolted connection.**
Mounting direction	**Two-sided or Directional.**

KZF-AL	St050	220	115	160	35	25	100	- C
Product type (KZF-A with a locks)	Metal type and thickness	Shell height H (мм)	Shell diameter or width D (мм)	Pressure PN (MPa)	Pipe diameter d1 (мм)	Gate valve diameter d3 (мм)	Product length L (мм)	Emergency snap-in Connector

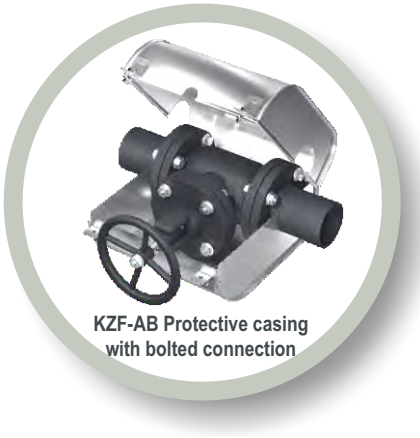
KZF-AB	Zn055	360	185	63	70	35	150	- Dh
Product type (KZF-A with a bolts)	Metal type and thickness	Shell diameter D (мм)	Shell diameter or width D (мм)	Pressure PN (MPa)	Pipe diameter d1 (мм)	Gate valve diameter d3 (мм)	Product length L (мм)	Emergency snap-in Drainage holes

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.

PROTECTIVE METAL CASING FOR ARMATURE • KZF-A

KZF-AK Protective casing with movable bracket

KZF-AL Protective casing with locks

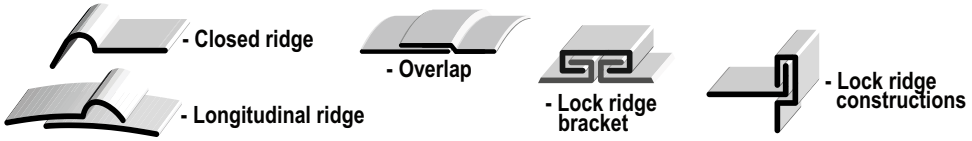


KZF-AB Protective casing with bolted connection

Execution (types of construction)

- **KZF-AK** (Protective casing with movable bracket)
- **KZF-AL** (Protective casing with locks)
- **KZF-AB** (Protective casing with bolted connection)

Types of shell connections



Feature

Temperature	**from -50°C to +450°C.**
Pressure PN	**from Du 15 to Du 1200 Mpa.**
Shell Width B / Height H (mm)	**from 115 mm and more** (According to the Customer's TOR).
Shell Diameter D (mm)	**from 115 mm and more** (According to the Customer's TOR).
Product length L (mm)	**from 100 mm or more** (According to the Customer's technical specification).
Metal type & thickness (mm)	**Zn 0,50/0,55/0,80/1,00mm; Al 0,50/0,80 mm; St 0,50 mm**
Diameter of the holes for pipeline / gate valve (mm)	**from 35 to 815 mm** (According to the Customer's TOR).
Emergency equipment	**Drainage holes, fitting, hose** (According to the Customer's technical specification).
Fastening of construction segments	**Lock; movable bracket; bolted connection.**

Metal type

- (Zn) **Galvanized steel;**
- (Al) **Aluminum;**
- (St) **Stainless steel.**

Mounting direction

Two-sided or Directional.

Marking

KZF-AL	St050	220	115	160	35	25	100	- C
Product type (KZF-A with a locks)	Metal type and thickness	Shell height H (мм)	Shell diameter or width D (мм)	Pressure PN (MPa)	Pipe diameter d1 (мм)	Gate valve diameter d3 (мм)	Product length L (мм)	Emergency snap-in Connector

KZF-AB	Zn055	360	185	63	70	35	150	- Dh
Product type (KZF-A with a bolts)	Metal type and thickness	Shell diameter D (мм)	Shell diameter or width D (мм)	Pressure PN (MPa)	Pipe diameter d1 (мм)	Gate valve diameter d3 (мм)	Product length L (мм)	Emergency snap-in Drainage holes

teplo@pipewool.ru
+7(800) 302-14-42
+7(35139) 2-79-00
24/1 Kemerovskaya St., Kopeysk, Chelyabinsk region, 456612, Russia

PIPEWOOL
Trust the quality!

CUSTOMER SURVEY SHEET # _____

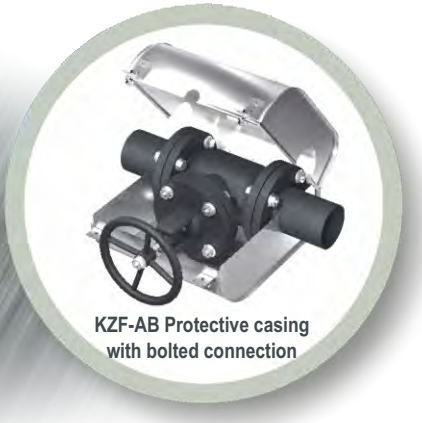
PROTECTIVE METAL CASING FOR ARMATURE • KZF-A

SURVEY SHEET • KZF-ARMATURE PIPEWOOL

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

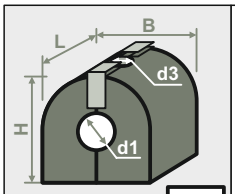
KZF-AK Protective casing with movable bracket

KZF-AL Protective casing with locks

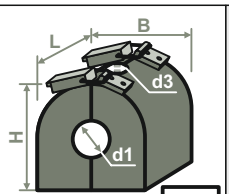


KZF-AB Protective casing with bolted connection

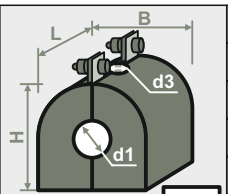
General Parameters.	* 000,00 - Fill it out & ☑ mark it.
Name of the technological equipment	



KZF-AK ☐



KZF-AL ☐



KZF-AB ☐

Product height **H** (mm)		mm	
Shell Width **B** / Diameter **D** (mm)		mm	
Pressure **PN**		Mpa	
Pipeline temperature		°C	
Composition of the pumped liquid			
Pipeline diameter Ø**d1** (mm)		mm	
Pipeline diameter Ø**d2** (mm)		mm	
Gate valve diameter Ø**d3** (mm)		mm	
Product length **L** (mm)		mm	
Number of products (pcs)		pcs	

Protective shell.	* 000,00 - Fill it out & ☑ mark it.
Metal type & thickness (mm)	**Zn** galvanized steel ☐ 0,50 mm ☐ 0,55 mm ☐ 0,80 mm ☐ 1,00 mm
	Al Aluminum ☐ 0,50 mm ☐ 0,80 mm **St** Stainless steel ☐ 0,50 mm
Connections at the edges (ridges)	☑ GOST
Design requirements	Overlap ☐ mm add
Coloring	**yes** ☐ **no** ☐ **Color**
Cramped conditions	

Additionally.	* 000,00 - Fill it out & ☑ mark it.			
Emergency equipment	Drainage holes* ☐	Fitting* ☐	Hose* ☐	*Be sure to attach a diagram!

pipewool.pw

teplo@pipewool.ru
24/1 Kemerovskaya St., Kopeysk, Chelyabinsk region, 456612, Russia
+7(800) 302-14-42
+7(35139) 2-79-00