

Designed for protection of compressor rotor bundle against foreign-object damage.

Working medium is non-aggressive natural gas and other non-aggressive media at the temperature ranged -60°C to +80°C.

Welded end connection.

Climatic version for areas with temperate and cold climate (-60°C thru +45°C).

The average service life before overhaul is no more than 40 years.

The Company reserves the right to make design changes to improve it, while minor changes may not be shown in the Catalog.

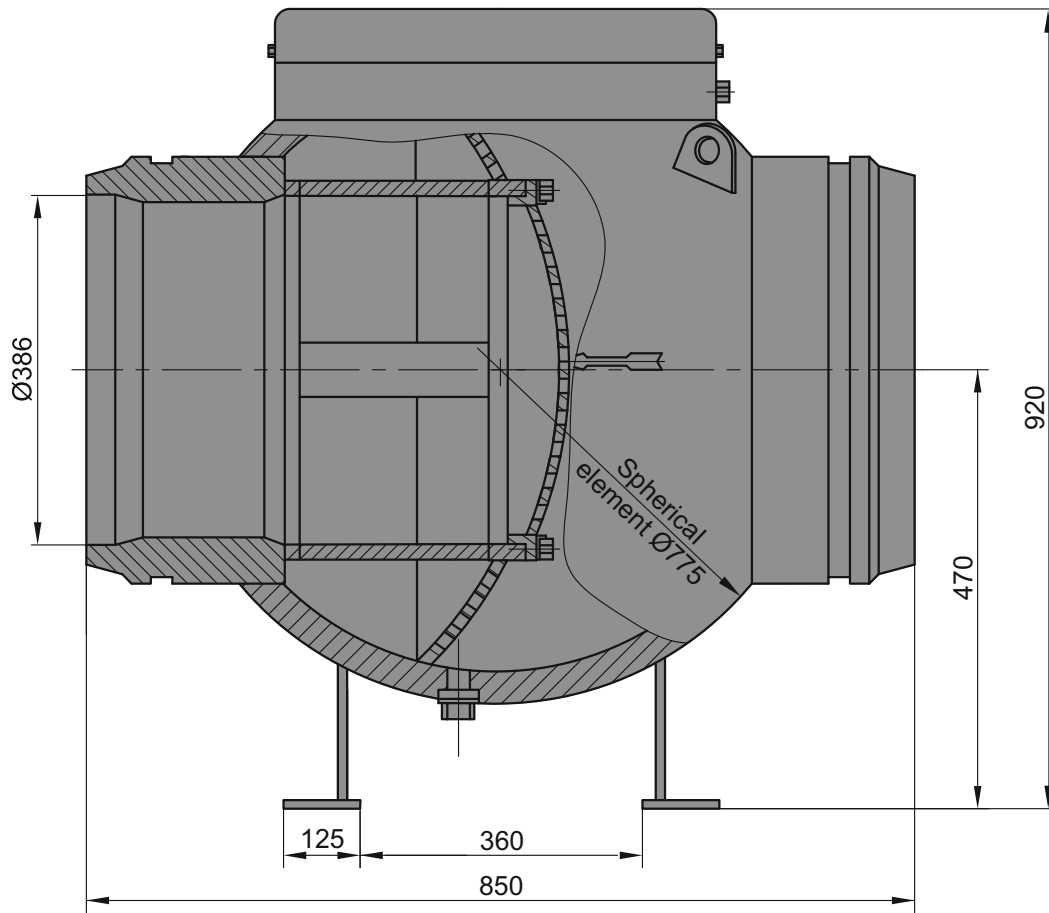
Design features:

- Minimum hydraulic resistance: perforated area is more than bore cross-section area of the pipeline.
- One-piece stamped and welded body.
- Replacement screen and manhole to remove solids and debris (DN 700 and over).
- High maintainability.



DN 700 PN 100



**Product designation****RZ-400-100-Pr****Figure designation****1.2790.163.100.00**

Diameter Nominal, DN, mm

400

Pressure Nominal, PN, MPa

10.0

Hydraulic pressure losses at nominal operation conditions, max, MPa

0.01

Total area of screen holes

larger than area of pipeline section

Connection

welded end (WE)*

Weight, max, kg

650

Material of main parts

Body

steel 09Г2С

Cover

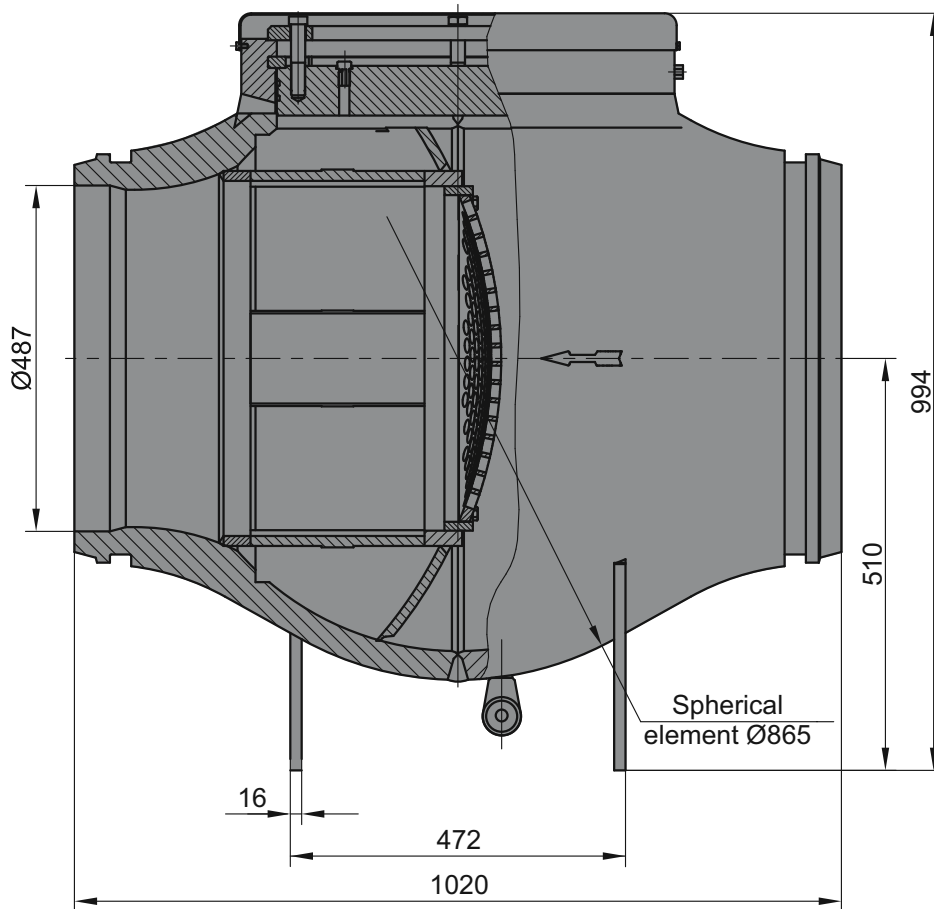
steel 09Г2С

Screen

steel 09Г2С

* Pipe is beveled to the pipe specified by a Customer.



**Product designation****RZ-500-100-Pr****Figure designation****1.2790.125.100.00**

Diameter Nominal, DN, mm

500

Pressure Nominal, PN, MPa

10.0

Hydraulic pressure losses at nominal operation conditions, max, MPa

0.01

Total area of screen holes

larger than area of pipeline section

Connection

welded end (WE)*

Weight, max, kg

1020

Material of main parts

Body

steel 09Г2С

Cover

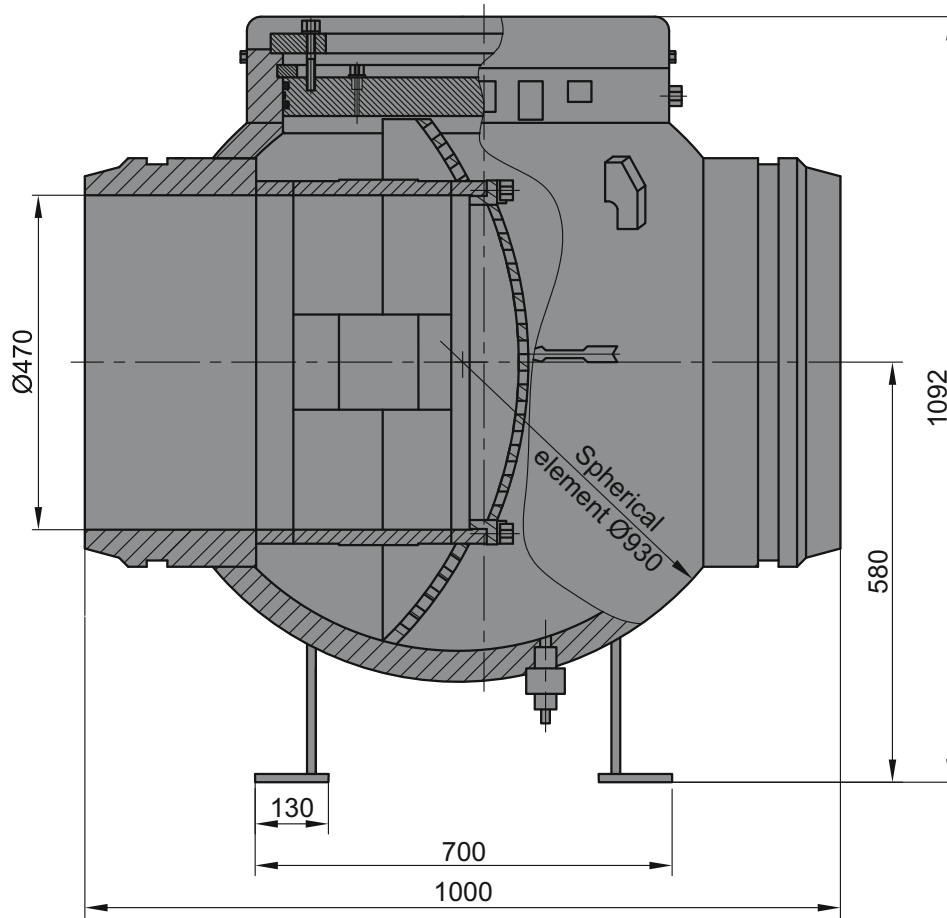
steel 09Г2С

Screen

steel 09Г2С

* Pipe is beveled to the pipe specified by a Customer.



**Product designation****RZ-500-200-Pr****Figure designation****1.2790.176.100.00**

Diameter Nominal, DN, mm

500

Pressure Nominal, PN, MPa

20.0

Hydraulic pressure losses at nominal operation conditions, max, MPa

0.01

Total area of screen holes

larger than area of pipeline section

Connection

welded end (WE)*

Weight, max, kg

1345

Material of main parts

Body

steel 09Г2С

Cover

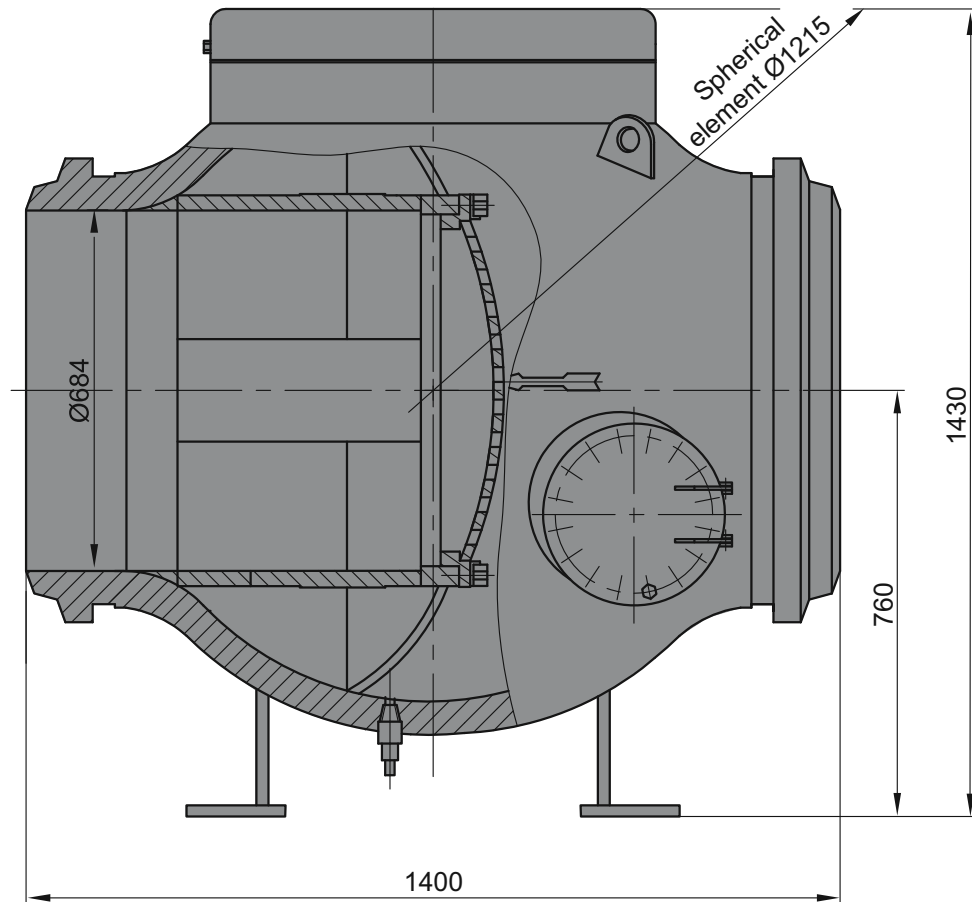
steel 09Г2С

Screen

steel 09Г2С

* Pipe is beveled to the pipe specified by a Customer.



**Product designation****RZ-700-100-Pr****Figure designation****1.2790.7.100.00-01**

Diameter Nominal, DN, mm

700

Pressure Nominal, PN, MPa

10.0

Hydraulic pressure losses at nominal operation conditions, max, MPa

0.01

Total area of screen holes

larger than area of pipeline section

Connection

welded end (WE)*

Weight, max, kg

3100

Material of main parts

Body

steel 09Г2С

Cover

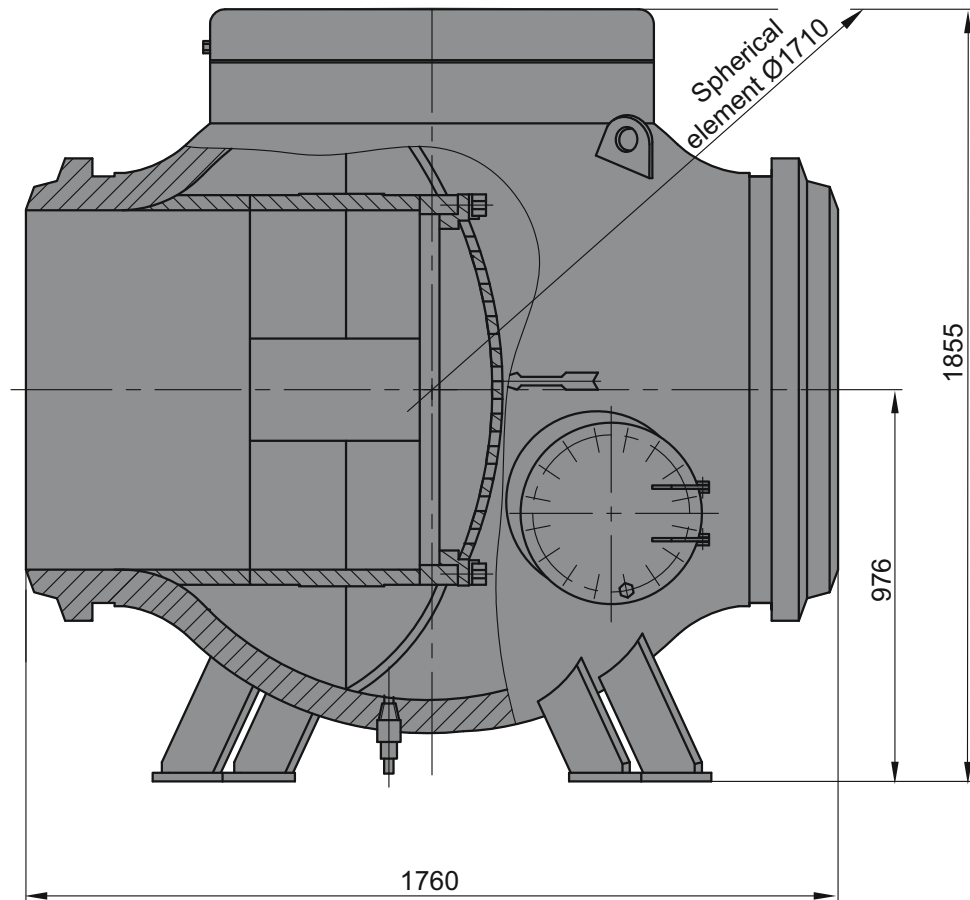
steel 09Г2С

Screen

steel 09Г2С

* Pipe is beveled to the pipe specified by a Customer.



**Product designation****RZ-1000-100-Pr****Figure designation****1.2790.3.100.00-01**

Diameter Nominal, DN, mm

1000

Pressure Nominal, PN, MPa

10.0

Hydraulic pressure losses at nominal operation conditions, max, MPa

0.01

Total area of screen holes

larger than area of pipeline section

Connection

welded end (WE)*

Weight, max, kg

6550

Material of main parts

Body

steel 09Г2С

Cover

steel 09Г2С

Screen

steel 09Г2С

* Pipe is beveled to the pipe specified by a Customer.



97 Data Sheet for Convex Strainer

Sumy NPO	CONVEX STRAINER	Page 1 from 1
Specification No.	Data Sheet No.	
Date: 20____.____.____	Customer -	
Tel: +38 0542 77-32-29; 24-37-75	Designer - Sumy NPO	
Fax: +38 0542 77-32-28; 22-55-32	Object -	

1	Designation		
	Drawing No.		
2	Quantity	<i>Pcs.</i>	
3	Diameter Nominal	<i>DN, mm</i>	
4	Pressure Nominal	<i>PN, MPa</i>	
5	Pipeline diameter	<i>Outside, mm</i>	
6	Pipe wall thickness	<i>mm</i>	
7	Pipe material	<i>Steel grade, σв, σт, MPa</i>	
8	Working pressure	<i>MPa</i>	
9	Pipeline position	<i>Horizontal /</i>	
10	Installation	<i>Over-ground / under-ground</i>	
11	Connection	<i>Welded end</i>	
12	Working medium		
13	Aggressive components of working medium	<i>% the volume</i>	
14	Working medium velocity	<i>m/sec min, nom, max</i>	
15	Working medium temperature	<i>°C</i>	
16	Ambient temperature	<i>°C</i>	
17	Max. pressure differential	<i>MPa</i>	
18	Pressure losses at nominal conditions	<i>MPa</i>	
19	Material		
20	Protective covering type	<i>polymer / paint</i>	
21	Paint	<i>color</i>	
22	Additional data:		
	Name	Signature / Date	Tel. / Fax
Designed			
Approved			

When ordering, please specify product and drawing designation.

The example of an order: RZ-400-100-Pr; 1.2790.163.100.00.

where

RZ - convex strainer;
 400 - Diameter Nominal, DN, mm;
 100 - Pressure Nominal, PN, bar;
 Pr - welded end (Pr – welded end; L – lens connection (acc. to National Standard GOST 9400));
 1.2790.163.100.00 - drawing designation.

When ordering, please specify dimensions, material and mechanical properties of the pipe to be connected to.

