



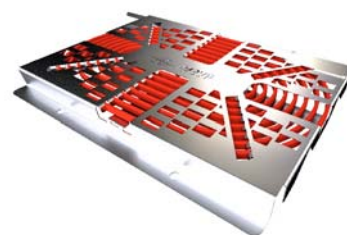
Ex-proof heating section RIZUR based on a self-regulating heating cable

Intended use and application area

RIZUR explosion-proof heating sections based on a self-regulating heating cable are manufactured by OOO «NPO RIZUR» in compliance with the Technical regulations TU-3442-001-12189681-2014 and meet the requirements of GOST R MEK 60079-0-2011, GOST R MEK 60079-7-2012 standards as equipment with enhanced explosion protection of «e» class, and have 1ExeII T6...T6Gb3 explosion-proof marking depending on the self-regulating heating cable used.

According to the explosion-proof marking, Ch. 7.3 of Electrical installation code (PUE) and other regulations governing the use of electrical equipment in Ex-areas, the heating section is authorized for use in Ex-areas of indoor and outdoor facilities.

The RIZUR explosion-proof heating section is designed for electrical heat tracing of instruments and process equipment in ex-areas, where explosive air-gas and flammable vapor mixtures (belonging to categories IIA, IIB, IIC of groups T6... T3 according to GOST R 51330.9-99) can generate, as well as for general industrial facilities. The RIZUR explosion-proof heating section is used for heating and temperature control in enclosures, heated cabinets, block-boxes, etc. with equipment that requires certain ambient temperature for stable and failure-free performance.



Design description and functions

The heating element of the RIZUR explosion-proof heating section is an explosion-proof self-regulating heating cable. The cable type, heat capacity, and length depend on the operating conditions and thermal design. Standard RIZUR heating sections have wattage from 30 to 500 W.

The heating cable is mounted on a metal grid, which also performs the function of a mounting panel for the heating cable, ensures air convection, and protects the staff against thermal injury during maintenance of the heating enclosures. The grid can be made out of stainless steel, galvanized steel or carbon steel with protective polymer-powder coating.

To make the mounting of the heating section more convenient there are legs on the metal grid, which enable the mounting of the RIZUR heating section on both vertical and horizontal surfaces.

The construction of the RIZUR heating section has no solid metal surfaces, which ensures optimal convection of air and, consequently, maximum heat output.

The RIZUR heating section has a power cable (1 m long) for power connection. (You can specify the required length of the power cable in the order).

For temperature control, the RIZUR heating section can be used together with analog or digital explosion-proof thermoregulators RIZUR-TB or RIZUR-DCS-2. (see pages 29,31)

Technical specifications

Installation area	<ul style="list-style-type: none"> • General industrial areas • Explosion hazard zones V-1a and V-1g acc. to Electrical installation code (PUE)
Explosion protection marking	1ExeIICT6...T3Gb
Heating capacity	30... 500 W
Supply voltage	230 (±15%) V
Ingress protection	0
Warranty period	24 months
Average operation time	Over 10 years

The dimensions of the heating sections depend on the heating section capacity. In order to receive the drawings with exact dimensions, please contact the OOO «NPO RIZUR» engineering department +7 (4912) 20-20-80, marketing@rizur.ru

Order code for the heating section RIZUR

Ordering information: **RIZUR-100-1-T6-1-M**
1 2 3 4 5 6

1. Design variant	
RIZUR	Design variant of the heating section
2. Heat capacity	
50	50 W
100	100 W
150	150 W
200	200 W
250	250 W
300	300 W
X	Please specify the required wattage of the heating section in W
3. Explosion protection	
0	General purpose industrial version
1	Explosion-proof version
4. Temperature class	
T4	Surface temperature is below 135°C
T5	Surface temperature is below 100°C
T6	Surface temperature is below 85°C
5. Power cable length	
1	1 m
2	2 m
3	3 m
X	Please specify the required cable length in meters
6. Metal hose protection for the cable	
0	None
M	Metal hose