Junction Box, Round,

with Mounting Stand and LED light
On-pipe Mounting in Hazardous Areas

The innovative junction box ELAK-Ex-R with mounting bracket (Ex-it) is suitable for use in potentially explosive atmosphere in accordance with Ex-guidelines 94/9/CE (ATEX 95) and provides a number of advantages. Thanks to the shape of the box, for instance, it is not necessary to strongly bend the inserted cable thereby avoiding cable damage. Due to the incorporated mounting bracket there is no need to provide angle irons. This is especially advantageous to heat tracing on piping because the cable can directly be introduced via the mounting bracket. Furthermore, fastening screws for heating lines and sensors are not required. A safety locking, with appropriate tool included, prevents the cover to move. Additional features permitting the attachment of sign plates facilitate easy identification of heating circuits in complex systems.
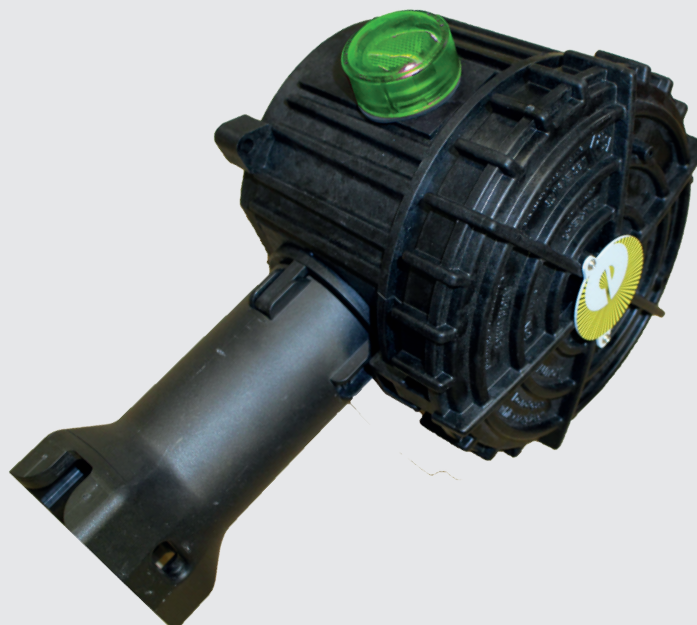
Advantages:
- No static charge
- Rapid closing of the cover through snap fit, no tool required
- Increased mechanical safety through round shape
- Permits fixing of customer identification plates
- Up to 3 heating cables can be connected
- LED light

Applications:
- Hazardous areas
- Chemical & petrochemical industries
- Power stations
- Industrial plants with a need for frost protection or temperature maintenance

Type **Ex-it-R with LED light**

Technical Information

Type Ex-it-R with LED light

Data

■	Classification ELAK-Ex-R	II 2G Ex e IIC T6 Gb II 2D Ex tb IIIC TX Db
■	Classification Ex-it-R with LED light	II 2G Ex e II T6...T4 II 2 D Ex tD A21 Tx
■	Certification Ex-it-R with LED light	IBExU08ATEX1113X, IBExU09ATEX1023U, CESI 00 ATEX 060U
■	Ambient temperature	-20 °C up to +50 °C
■	Enclosure	Polyamide, no static charge
■	Dimensions (approx.):	Dia. 150 mm, 125 x 160 mm
■	Ex-it-R	Heigth approx. 280 mm total, the junction box is attached to the mounting feet.
■	Impact resistance	7 Joule
■	IP rating	IP 65
■	Terminal blocks, heating cable connection: max. 6 mm²	
■	Terminal blocks, temperature sensor connection: max. 1.5 mm²	

Mounting bracket

■	Working temperature	-20 °C up to +200 °C
■	Enclosure	PPS
■	Insulating thickness, max.	100 mm
■	Pipe outer diameter	3/4"
■	IP rating	IP 65
■	Classification	II 2G Ex e II 2 D Ex tD A21 IP65
■	Certificate	IBExU09ATEX1023U

Type	Description	Art. No.
Ex-it-R with LED light	Junction box, with mounting feet, round, dia. 150 mm, height 125 mm, polyamide enclosure, with Ex d LED lamp, to connect max. 2 self-regulating heating cables ELSR-N/-H, 1 connecting cable, 1 Pt100. Suitable for an installation on a pipeline of 3/4", with insulating thickness max. 100 mm	1XD1000003

Note: Connection and termination kits are not included in the Ex-it-R system. Please place a separate order for these items which depend on the type of heating cable used.