

Sprängbleck/Sprängpaneler

(SVT/AT Rupture Indicator)



Product Overview

The SVT/AT alarm system is a simple and efficient instrument for recording the bursting of a rupture disc. The detector is installed between the container on the discharge side and the flange down stream from the safety device replacing the traditional seal.

The cables of the alarm system must be connected to the plant's safety system with an intrinsically safe barrier adequate to the sensor (max tension 24 AC/DC and max current 150 mA) and the hazardous area classification.

When the disc bursts the silver circuit of the SVT/AT alarm system is destroyed and as a result of this the flow of current is cut off, allowing the connected equipment to signal that the disc has opened. The SVT/AT alarm system is classified as "basic electrical material" and is certified according to European Directive 94/9/EC (ATEX).

It may be installed in zone 0; 20 and 1; 21 and 2; 22 if connected to a barrier certified Eex ia or in zone 1; 21 and 2; 22 if connected to a barrier certified Eex ib

See Technical Properties below...

Nominal diameter	DN 25 - 600	
Minimum pressure:	DN 25-40-50	0,3 bar
	DN 80	0,2 bar
	DN 100	0,1 bar
	from DN 150 to DN 600	0,07 bar
Thickness	5 mm	
Temperature	From -40 to +200°C	
Seals	Asbestos free	
Membrane	Polyimide	
Printed circuit	Silver	
Resistance Max	20 OHM	
Voltage Max	24 V AC/DC	
Intensity Max	150 mA	
Cable length	2 meters, bipolar, shielded	