

## Explosion protection methods on screening machines

according 94/9/EG (ATEX95; ATEX 100a)

**apparatus grouping**  I – „mining industry“ (not possible)  
 II – „none mining industry“

	<b>GAS-Ex</b> potentially explosive atmospheres inside or outside of the screening machine			<b>DUST-Ex</b> potentially explosive atmospheres inside or outside of the screening machine		
<b>area classification for machine</b>	none explosive zone zone 0 / categorie 1 G zone 1 / categorie 2 G zone 2 / categorie 3 G	inside	outside	none explosive zone zone 20 / categorie 1 D zone 21 / categorie 2 D zone 22 / categorie 3 D	inside	outside
		<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	---		<input type="checkbox"/>	---
		<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>
<b>control cabinet</b>	none explosive zone zone 1 / categorie 2 G zone 2 / categorie 3 G	---	<input type="checkbox"/>	none explosive zone zone 21 / categorie 2 D zone 22 / categorie 3 D	---	<input type="checkbox"/>
		---	<input type="checkbox"/>		---	<input type="checkbox"/>
		---	<input type="checkbox"/>		---	<input type="checkbox"/>
<b>safety related product characteristics</b>	gas group	II A <input type="checkbox"/>		minimum ignition energy:	.....	mJ
		II B <input type="checkbox"/>		ignition temperature:	.....	°C
		II C <input type="checkbox"/>		glowing temperature:	.....	°C
	gas: (name)	.....		self ignition temperature:	.....	°C
	product temperature:	..... °C		product temperature:	.....	°C
	wet screening	yes <input type="checkbox"/> no <input type="checkbox"/>		electrical conductive dust	yes <input type="checkbox"/> no <input type="checkbox"/>	
	<b>product designation:</b>					
<b>miscellaneous</b>	Is the installation being inerted (for example inert gas)?					yes <input type="checkbox"/> no <input type="checkbox"/>
	Does the material to be screened show any explosive characteristics? (Materials which do not require any oxygen from the environment or atmosphere for combustion.)					yes <input type="checkbox"/> no <input type="checkbox"/>
	Is the material to be screened pyrophorous? (Pyrophoricity = ignition of a material at ambient temperature)					yes <input type="checkbox"/> no <input type="checkbox"/>
<b>remarks</b>						
<b>customer's address</b>	company: .....					
	contact person: .....					
	street: .....					
	postcode / city: .....					
	phone: .....					
	fax: .....					
	e-mail: .....					
	date / signature: .....					

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