

Project-related information about required explosion-protected equipment

Please appoint your ATEX requirements to Elektror by means of using the questionnaire below. We thank you very much for your completely filled in data.

Project No.:	Customer:	Name / department:	Date:
1.	Are ignitable / flammable substances present (gases, vapours, mists, dusts)? (That is, is explosive atmosphere present?)	<input type="checkbox"/> YES	<input type="checkbox"/> NO
1.1	If YES, does the owner/system manufacturer have a zone definition for the areas with potentially explosive atmospheres? What is its (complete) definition? If NO , the owner/system manufacturer first needs to determine and describe the zones.	<input type="checkbox"/> YES	<input type="checkbox"/> NO If YES, please include complete copy here.
1.1.1	For gases, vapours, mists: In which zone do you plan to install and operate the equipment? Is the same zone present inside and outside the unit or do they differ? Please note: ELEKTOR cannot offer equipment/units for zone 0.	Inside: <input type="checkbox"/> Zone 1 <input type="checkbox"/> Zone 2	Outside: <input type="checkbox"/> Zone 1 <input type="checkbox"/> Zone 2
1.1.2	For dusts: In which zone do you plan to install and operate the equipment? Is the same zone present inside and outside the unit or do they differ? Please note: ELEKTOR cannot offer equipment/units for zone 20.	Inside: <input type="checkbox"/> Zone 21 <input type="checkbox"/> Zone 22	Outside: <input type="checkbox"/> Zone 21 <input type="checkbox"/> Zone 22
1.1.3	For dusts: Is the dust electrically conductive or non-conductive?	<input type="checkbox"/> The dust is electrically conductive <input type="checkbox"/> The dust is not electrically conductive	
1.2	Maximum temperatures		
1.2.1	For gases, vapours, mists: Which temperature class is required? T3 includes T2 and T1. Please note: ELEKTOR cannot offer equipment/units for T5 or T6. See IEC 60079-4 .	<input type="checkbox"/> T3: max. 200 °C	<input type="checkbox"/> T4: max. 135 °C Refers to max. admissible surface temperature.
1.2.2	For dust: Which temperature class is required? The applicable regulations for determination of the max. admissible surface temperature for ignitable dust clouds and static dust layers shall be observed. See IEC 61241-2-1 .	Dust cloud "procedure B"	°C
		Static dust layer "procedure A"	°C
1.2.3	What is the maximum ambient temperature? Admissible range of the ambient temperature: min. -20 °C to max. 40 °C.		°C
1.2.4	What is the maximum temperature of the medium? Admissible temperature of the medium on the intake end: min. -20 °C to max. 40 °C.		°C

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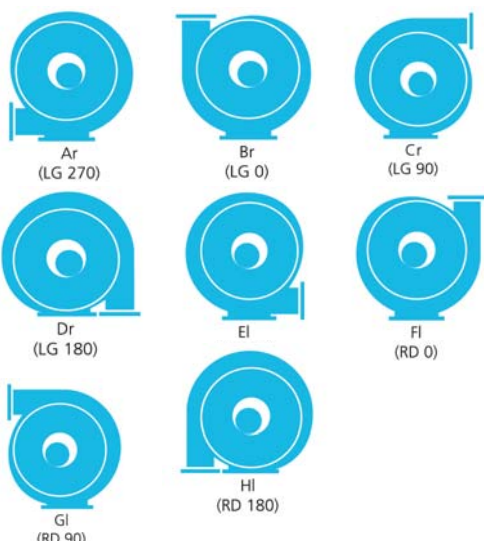
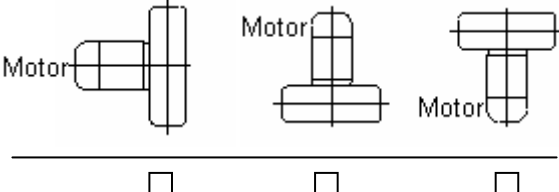
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1.2.5	What is the relative humidity at the designated place of operation? What is the height above sea level of the designated place of operation?		% r.H. meters above sea level
1.3	Ignition sub-group		
1.3.1	Which ignition sub-group is required? See EN 50014:2000, or VDE 0170/0171. Please note: Elektror cannot offer products for group IIC.		<input type="checkbox"/> IIA <input type="checkbox"/> IIB
2.0	Installation types		
2.0.1	Which installation type is required? Installation type B: Zone inside = zone outside, free intake, permanent connection on pressure end Installation type C: Zone inside = zone outside, permanent connection on intake end, free blow-out on pressure end Installation type D, not sealed: Zone inside = zone outside, permanent connection on intake and pressure end, not sealed Installation type D, sealed: Zone inside = zone outside, permanent connection on intake and pressure end, sealed Please note: If the unit is sealed, the maximum zone difference between inside and outside is 1 zone!		<input type="checkbox"/> Installation type B, not sealed <input type="checkbox"/> Installation type C, not sealed <input type="checkbox"/> Installation type D, not sealed <input type="checkbox"/> Installation type D, sealed

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2.0.2	<p>Which installation position is required?</p>  <p>Ar (LG 270) Br (LG 0) Cr (LG 90) Dr (LG 180) EI FI (RD 0) GI (RD 90) HI (RD 180)</p> <p>Please see the notes in our brochures available from www.elektror.com</p>	<input type="checkbox"/> Ar <input type="checkbox"/> Br <input type="checkbox"/> Cr <input type="checkbox"/> Dr	<input type="checkbox"/> FI <input type="checkbox"/> GI <input type="checkbox"/> HI <input type="checkbox"/> EI
Space for additional notes:			
2.0.3	<p>Which shaft-motor position is required?</p>  <p><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/></p>	<p>The force of gravity direction shows in the representation downward. We supply models in installation position with engine pointing upward with the prescribed canopy (EN 60079).</p>	
3.0	Materials data		
3.0.1	<p>Are abrasive, adhesive, corrosive, oxidizing, reducing or otherwise aggressive substances contained in the medium or in the surroundings? These may include non-ignitable substances.</p> <p>If YES, please describe these as detailed as possible. E.g. include the material datasheets.</p>	<input type="checkbox"/> YES	<input type="checkbox"/> NO
4.0	Working / operating point		
4.1	<p>Please tell us the working point or the Elektror-type of the fan.</p>	<p>Volumetric throughput</p> <p>Pressure rise totally</p> <p>Elektror type of fan:</p>	<p>m³/min</p> <p>Pa</p>

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5	Area validation		
5.1	Is an operation of the Elektror product intended in a country abroad of the E.U.?	<input type="checkbox"/> Yes <input type="checkbox"/> No Please name the country:	

Notes:

- Please address your ATEX inquiry directly to our Customer Support, Tel.: 0711-31973-111, Fax.: 0711-31973-116 or to support@elektror.de.
- Please determine, define and indicate the ATEX zones, categories, types of ignition protection, temperature classes, ignition sub-groups, etc. and inform ELEKTOROR about everything. Please kindly understand that we are not authorized to take over the determination of operating condition data. Thank you very much for your accommodation.
- This project-related information provided by the customer primarily addresses the explosion protection aspects. Please add other information relevant for your inquiry, e. g. concerning the technical performance data. Tips concerning these are found in our brochures. Please also consider the *ATEX-Help* document under www.elektror.de.

Contact data of inquirer; company, name, department, address, tel., fax., E-mail address, www: