

## 1) Customer information based on directive 2014/34/EU and harmonised standard EN 13463-1

Equipment group	Equipment category	Equipment safety (level of protection)	Likelihood of an explosive atmosphere	Zones	Availability	Product range / measures
II Equipment for all other areas (where gases, vapours, mists and dusts may cause an explosive atmosphere)	1					<b>Not part of the product range</b>
	2	High level of protection. Required level of protection is achieved even in the event of frequently occurring disturbances or equipment operating faults	Occurs sometimes during normal operation.	Group II of explosive materials Zone 1 - G (gas)	✓	Use of special components with ATEX certificate. QA measures; documentation to be kept by a notified body.
			Occurs sometimes as a cloud during normal operation.	Group II of explosive materials Zone 21 - D (D=dust)		<b>Not part of the product range</b>
	3	Normal level of protection	Is unlikely to occur or, if it does occur, is likely to do so only infrequently and for a short period only.	Group II of explosive materials Zone 2 - G (gas)	✓	Use of special components with ATEX certificate. QA measures; documentation to be kept by a notified body.
Is unlikely to occur as a cloud during normal operation or, if it does occur, is likely to do so only infrequently and for a short period only. Only for dusts that cannot ignite.			Group II of explosive materials Zone 22 - D (D=dust)		<b>Not part of the product range</b>	

Gases and vapours Examples			Classification of gases and vapours based on ignition temperature	Temperature class	Maximum surface temperature of the equipment	Temperature class of the equipment
Ammonia, methane, ethane, propane	Town gas, acrylonitrile	Hydrogen	> 450 °C	T1	450 °C	T1 to T6
Ethyl alcohol, cyclohexane, n-butane	Ethylene, ethylene oxide	Ethyne, (acetylene)	> 300 °C ... < 450 °C	T2	300 °C	T2 to T6
Petroleum based solvents (general), n-hexane, jet fuel	Ethylene glycol, hydrogen sulphide		> 200 °C ... < 300 °C	T3	200 °C	T3 to T6
Acetaldehyde	Ethyl ether		> 135 °C ... < 200 °C	T4	135 °C	T4 to T6
			> 100 °C ... < 135 °C	T5	100 °C	T5 to T6
		Carbon disulfide	> 80 °C ... < 100 °C	T6	85 °C	T6

Group of explosive materials		
IIA	IIB	IIC
Group of explosive materials for the equipment		
IIA, IIB, IIC	IIB, IIC	IIC
		<b>Not part of the product range</b>

## 2) Unit requirements

1) Unit variant:								
<b>Extract air unit (explosion-proof extract air unit)</b>								
	Heat recovery: Zone 2: Only RCS Zone 1: Only RCS				<input type="checkbox"/>			
<b>Combined supply air and extract air unit (only extract air unit is explosion-proof)</b>								
	Recirculation damper not allowed. Heat recovery: Zone 2: Only RCS Zone 1: Only RCS				<input type="checkbox"/>			
<b>Combined supply air and extract air unit (both supply air unit and extract air unit are explosion-proof)</b>								
	Heat recovery: Zone 2: RCS/PHE possible Zone 1: RCS/PHE possible				<input type="checkbox"/>			
2) Equipment classification								
	<b>→ Inside (extract air):</b>	<b>Zone 2:</b> Equipment classification: <b>II 3G IIB</b>		<input type="checkbox"/>	No zone <input type="checkbox"/>			
		<b>Zone 1:</b> Equipment classification: <b>II 2G IIB</b>		<input type="checkbox"/>				
		Temperature class:		T1 <input type="checkbox"/>		T2 <input type="checkbox"/>	T3 <input type="checkbox"/>	T4 <input type="checkbox"/>
		Ignition temperature:		> 450 °C		> 300 °C	> 200 °C	> 135 °C
		<b>→ Inside (supply air):</b>	<b>Zone 2:</b> Equipment classification: <b>II 3G IIB</b>			<input type="checkbox"/>	No zone <input type="checkbox"/>	
			<b>Zone 1:</b> Equipment classification: <b>II 2G IIB</b>			<input type="checkbox"/>		
	Temperature class:		T1 <input type="checkbox"/>	T2 <input type="checkbox"/>	T3 <input type="checkbox"/>	T4 <input type="checkbox"/>		
	Ignition temperature:		> 450 °C	> 300 °C	> 200 °C	> 135 °C		
	<b>→ Outside:</b>		<b>Zone 2:</b> Equipment classification: <b>II 3G IIB</b>		<input type="checkbox"/>	No zone <input type="checkbox"/>		
			<b>Zone 1:</b> Equipment classification: <b>II 2G IIB</b>		<input type="checkbox"/>			
		Temperature class:		T1 <input type="checkbox"/>	T2 <input type="checkbox"/>		T3 <input type="checkbox"/>	T4 <input type="checkbox"/>
		Ignition temperature:		> 450 °C	> 300 °C		> 200 °C	> 135 °C

## 3) Where does the potentially explosive atmosphere occur?

Only for potentially explosive atmospheres 'Outside': 'Outside' zone (max. distance from unit):	_____ m
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## 4) Installation location

Indoor installation	<input type="checkbox"/>	↗ 5)
Outdoor installation	<input type="checkbox"/>	↘ 6)

## 5) Only for indoor installation

Air change rate in the installation room	< 6 1/h <input type="checkbox"/>	> 6 1/h <input type="checkbox"/>
Daily operating hours of the entire system	24 h/d <input type="checkbox"/>	< 24 h/d <input type="checkbox"/>

## 6) Only for outdoor installation

Unobstructed airflow in two directions along an axis	Yes <input type="checkbox"/>	No <input type="checkbox"/>
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## 7) Project data

Project:	
Company (stamp):	
Signature:	
Name:	
Date:	