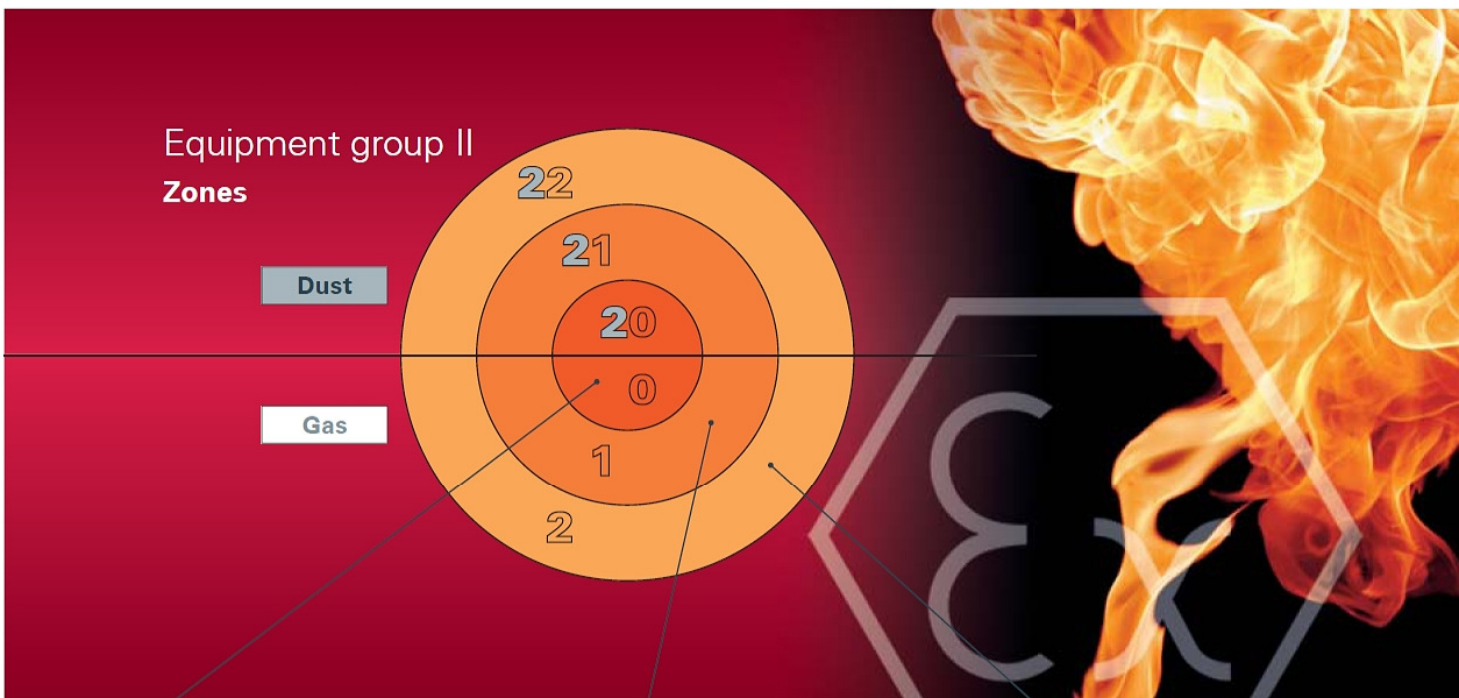


# → Valves and ATEX!

■ WITH GOETZE YOU CAN REST ASSURED

Goetze valves are fundamentally suitable for use in potentially explosive areas. Consequently they were subjected to a conformity assessment according to the ATEX Product Directive 9479/EC. As an independent, notified body, the TÜV Süd was commissioned with the assessment of our products.



**Category 1**

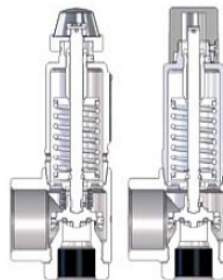
Example: Within a fuel tank or gas tank



Valve with bellows **and** gastight cap

**Category 2**

Example: Sewage treatment plant – condensate collecting tank for biogas



Valve with bellows **or** gastight cap

**Category 3**

Example: Paint shop after extraction system



All valve types possible

# Equipment

Groups / Categories / Zones / Products

## Selection Chart for Goetze ATEX Products

Equipment group I		Equipment group II				
Equipment for use in <ul style="list-style-type: none"> <li>The mining industry</li> <li>Open cast mining</li> <li>Deep mining</li> </ul>		Equipment for use in other potentially explosive areas				
Category M1	Category M2	Category 1	Category 2		Category 3	
Requirement: <b>extremely high level of safety</b>	Requirement: <b>high level of safety</b>	Requirement: <b>extremely high level of safety</b>	Requirement: <b>high level of safety</b>		Requirement: <b>normal level of safety</b>	
Operation guaranteed even in the case of rare incidences	Shutdown in case of occurrence of a potentially explosive atmosphere possible	Danger: <b>continuously, frequently, long-term</b>	Danger: <b>occasionally</b>		Danger: <b>rarely or short-term</b>	
		<b>Zone 0</b> <b>G</b> Gas	<b>Zone 20</b> <b>D</b> Dust	<b>Zone 1</b> <b>G</b> Gas	<b>Zone 21</b> <b>D</b> Dust	
				<b>Zone 2</b> <b>G</b> Gas	<b>Zone 22</b> <b>D</b> Dust	
Safety valves						
420tbGFO 451tbGO; tbFO; tbGFO 851tbGO; tbFO; tbGFO 452tbGO; tbFO; tbGFO 852tbGO; tbFO; tbGFO	420tGF(O,L) 420bGF(O,L) 451tGO; tFO; tGFO 851tGO; tFO; tGFO <hr/> 451bG(K,L); bF(K,L); bGF(K,L) 851bG(K,L); bF(K,L); bGF(K,L) <hr/> 460tGF(O,L) 461tGFO 861tGFO <hr/> 452tG(L); tF(L); tGF(L) 852tG(L); tF(L); tGF(L) 452bG(L); bF(L); bGF(L) 852bG(L); bF(L); bGF(L)	420tbGFO 451tbGO; tbFO; tbGFO 851tbGO; tbFO; tbGFO 452tbGO; tbFO; tbGFO 852tbGO; tbFO; tbGFO	420tGF(O,L) 420bGF(O,L) 451tGO; tFO; tGFO 851tGO; tFO; tGFO <hr/> 451bG(K,L); bF(K,L); bGF(K,L) 851bG(K,L); bF(K,L); bGF(K,L) <hr/> 460tGF(O,L) 461tGFO 861tGFO <hr/> 452tG(L); tF(L); tGF(L) 852tG(L); tF(L); tGF(L) 452bG(L); bF(L); bGF(L) 852bG(L); bF(L); bGF(L)	851G(K,L), F(K,L), GF(K,L) 451G(K,L), F(K,L), GF(K,L) 452G(L); F(L) 852G(L); F(L) <hr/> 652 <hr/> 861sGF(K,L) 461sGF(K,L) <hr/> 810 / 410 812 / 412 813 / 413		
Overflow and pressure control valves						
451tbGFU 851tbGFU	451tGFU; 851tGFU 452tGFU; 852tGFU	451tbGFU 851tbGFU	451tGFU; 851tGFU 452tGFU; 852tGFU	610 630 / 430 631 / 431		
452tbGFU 852tbGFU	453bGFO; 853bGFO 452bGFU; 852bGFU <hr/> 418tGFO 617tGFO; 618tGFO	452tbGFU 852tbGFU	453bGFO; 853bGFO 452bGFU; 852bGFU <hr/> 418tGFO 617tGFO; 618tGFO			
Pressure reducing valves						
	681 / 481 682 / 482		681 / 481 682 / 482	681 / 481 683 682 / 482		

With Goetze you can rest assured.

### Certified explosion protection.



The safety of our customers is of paramount importance to Goetze. That's why Goetze offers more:

- the highest level of safety in all ATEX zones
- reliable advice: which products meet your requirements?
- safe products for each ATEX zone according to TÜV criteria

