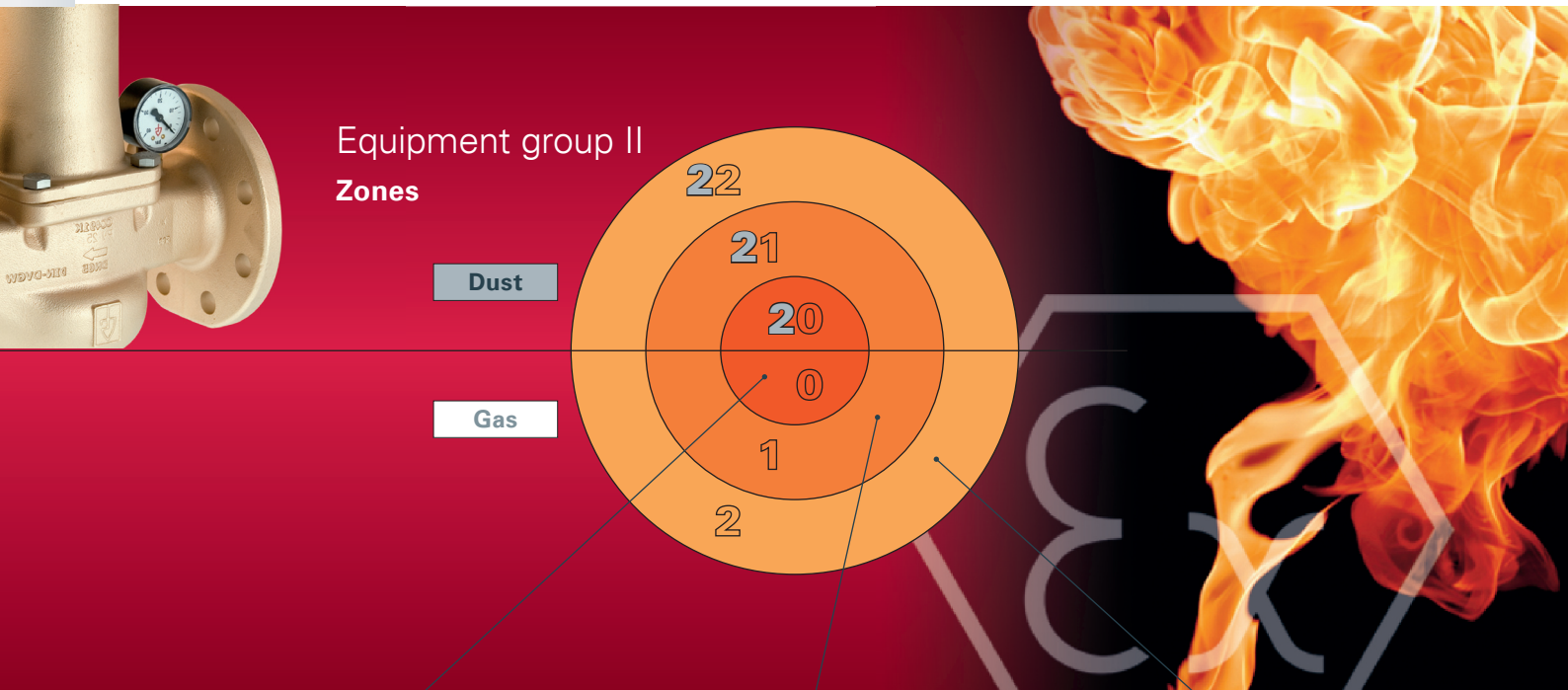


4

Valves and ATEX!

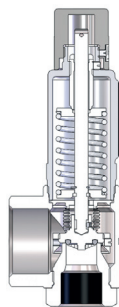
Goetze valves are fundamentally suitable for use in potentially explosive areas.

Consequently they were subjected to a conformity assessment according to the ATEX Product Directive 94/9/EC (new 2014/34/EU). As an independent, notified body, the TÜV Süd was commissioned with the assessment of our products.



Category 1

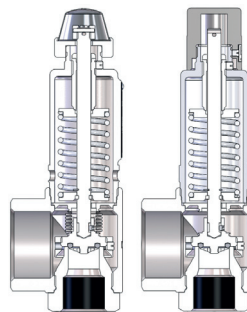
Example: Within a fuel tank or gas tank



Valve with bellows **and** gastight cap

Category 2

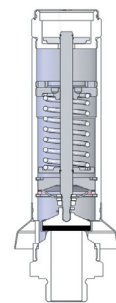
Example: Sewage treatment plant – condensate collecting tank for biogas



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 ○ The mining industry ○ Open cast mining ○ Deep mining		Equipment for use in other potentially explosive areas			
Category M1	Category M2	Category 1	Category 2		Category 3
Requirement: extremely high level of safety Operation guaranteed even in the case of rare incidences	Requirement: high level of safety Shutdown in case of occurrence of a potentially explosive atmosphere possible	Requirement: extremely high level of safety Danger: continuously, frequently, long-term	Requirement: high level of safety Danger: occasionally		Requirement: normal level of safety Danger: rarely or short-term
		Zone 0 G Gas	Zone 20 D Dust	Zone 1 G Gas	Zone 21 D Dust
		Zone 2 G Gas	Zone 22 D Dust		
Safety valves					
420tbGFO 451tbGO; tbFO; tbGFO 851tbGO; tbFO; tbGFO 452tbGO; tbFO; tbGFO 852tbGO; tbFO; tbGFO	420tGF(O,L) 420bGF(O,L) 492tGO 451tGO; tFO; tGFO 851tGO; tFO; tGFO 2400tGFO 451bG(O,K,L); bF(O,K,L); bGF(O,K,L) 851bG(O,K,L); bF(O,K,L); bGF(O,K,L) 460tGF(O,L) 461tGFO 861tGFO 452tG(O,L); tF(O,L); tGF(O,L) 852tG(O,L); tF(O,L); tGF(O,L) 452bG(O,L); bF(O,L); tGF(O,L) 852bG(O,L); bF(O,L); bGF(O,L)	420tbGFO 451tbGO; tbFO; tbGFO 851tbGO; tbFO; tbGFO 452tbGO; tbFO; tbGFO 852tbGO; tbFO; tbGFO	420tGF(O,L) 420bGF(O,L) 492tGO 451tGO; tFO; tGFO 851tGO; tFO; tGFO 2400tGFO 451bG(O,K,L); bF(O,K,L); bGF(O,K,L) 851bG(O,K,L); bF(O,K,L); bGF(O,K,L) 460tGF(O,L) 461tGFO 861tGFO 452tG(O,L); tF(O,L); tGF(O,L) 852tG(O,L); tF(O,L); tGF(O,L) 452bG(O,L); bF(O,L); tGF(O,L) 852bG(O,L); bF(O,L); bGF(O,L)	451sG(K,L); 451sF(K,L); 451sGF(K,L) 851sG(K,L); 851sF(K,L); 851sGF(K,L) 452sG(O,L); 452sF(O,L); 452sGF(O,L) 852sG(O,L); 852sF(O,L); 852sGF(O,L) 652 861sGF(K,L) 461sGF(K,L) 810 / 410 812 / 412 813 / 413 492sGK 2400sGF(K, L)	
Overflow and pressure control valves					
451tbGFU 851tbGFU 452tbGFU 852tbGFU	451tGFU; 851tGFU 452tGFU; 852tGFU 453bGFO; 853bGFO 452bGFU; 852bGFU 417tGFO; 418tGFO 617tGFO; 618tGFO; 608tGFO	453tbGFO 853tbGFO	451tGFU; 851tGFU 452tGFU; 852tGFU 453tGFO; 853tGFO 453bGFO; 853bGFO 453bGF(K,L,O); 853bGF(K,L,O) 452bGFU; 852bGFU 417tGFO; 418tGFO 617tGFO; 618tGFO; 608tGFO	630 / 430 631 / 431 	
Pressure reducing valves					
	681 / 481 682 / 482 684mGO; 684mGFO; 684kGO; 684kGFO		681 / 481 682 / 482 684mGO; 684mGFO; 684kGO; 684kGFO	681 / 481 683 682 / 482 684mGS; 684mGFS; 684kGS; 684kGFS	

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

