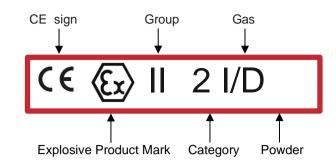




Evolution No-smoke ATEX suction arms are designed for the suction of particles generated in the environment in potentially explosive atmospheres, where special filtration and odor absorption are required. The use of special materials to guarantee proper ground connection of electrical components makes the Evolution ATEX arm suitable for application in zone 21.1 and with dust classification.



Evolution no-smoke Atex arms are designed in accordance with Directive 98/37/EC and Atex Directive (94/9/EC). The classification of the arm is as above according to ATEX rules.

Optional;

For the food, pharmaceutical and chemical industries, the entire Atex evolution arm can be produced from AISI 316 stainless steel upon request.

Antistatic flexible hose (R<108 OHM, -20 < T<90°)

Copper ground wire for metal pipe parts and arm mounting foot.

Kst Values for Some Industrial Powders

Powders	P max, Bar	Kst, bar.m.s-1		
PVC	6,7-8,5	27-98		
Polyethylene	7,4-8,8	54-131		
Lignite	8,1-10,0	93-176		
Cellulose	8,0-9,8	56-229		
Pigment	6,5-10,7	28-344		
Aluminum	5,4-12,9	16-750		

The Relationship Between Kst Values and Explosive Dust Classes

Explosion Class	Kst, bar.m.s·1	Explosion Type	
	Explosive, 10 KJ		
St0	he	No	
St1	200<	Slim	
St2	>200-300	Strong	
St3	300>	Very Strong	

Code	50301021	50301022	50301230	50301530	50301540	50301830	50301840	50302030	50302040	50302530	50302540
Arm Diameter (mm)	Ø 100	Ø 100	Ø 125	Ø 150	Ø 150	Ø 180	Ø 180	Ø 200	Ø 200	Ø 250	Ø 250
Arm Length (m)	2,1	2,7	3,0	3,0	4,0	3,0	4,0	3,0	4,0	3,0	4,0