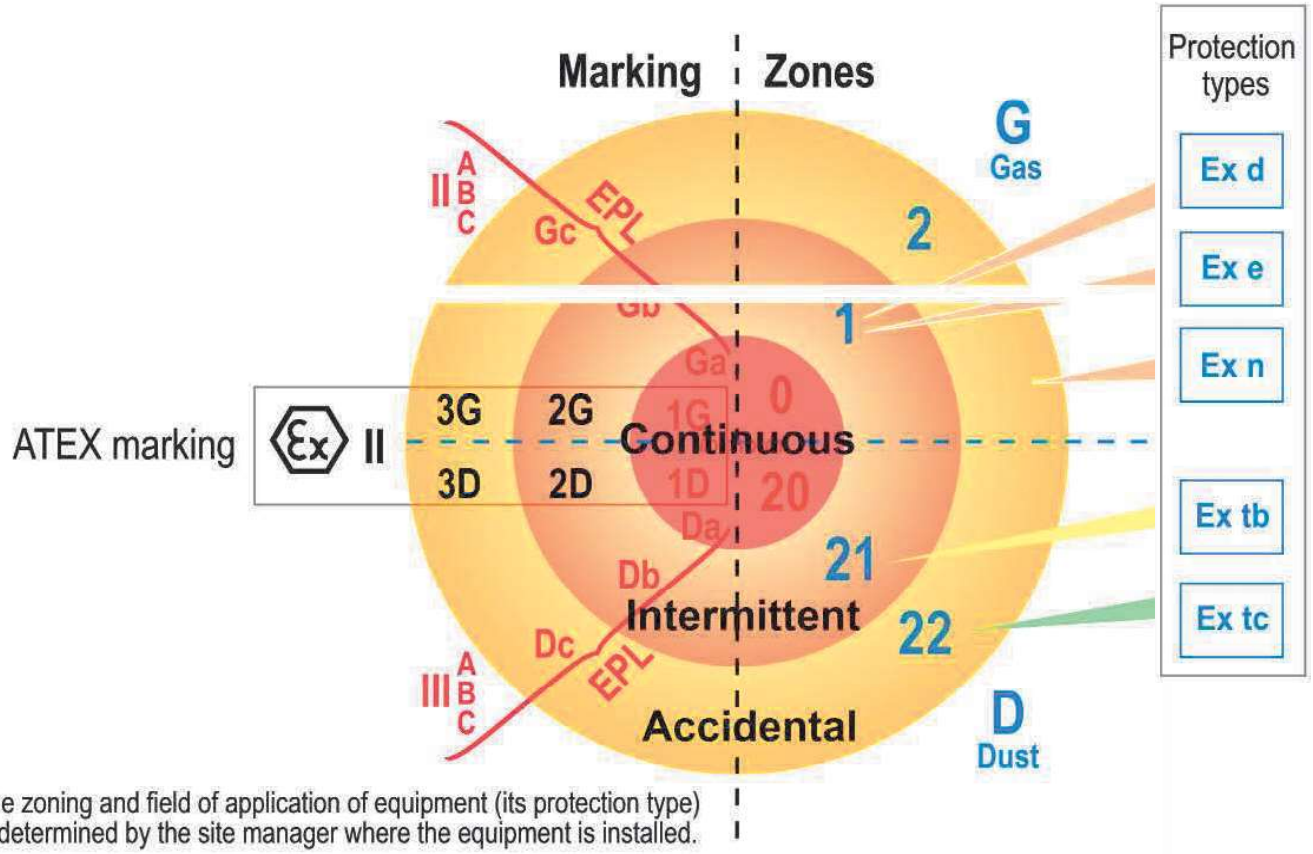
Directive 94/9/EC Classification of equipment					IEC 60079-0 Classification of equipment Equipment Protection Level (EPL)					Zones
Use	ATEX group	Category	Level of protection	If ATEX present	Use	Equipment group	EPL	Level of protection	If ATEX present	60079-10
Gas-prone mines	I	M1 Maximum mine gas content	Very high	Powered up	Gas-prone mines	I	Ma Maximum mine gas content	Very high	Powered up	
		M2 Outside a certain value	High	Powered down			Mb Outside a certain value	High	Powered down	
Surface industries	II	1G	Very high	Powered up	Explosive gas atmospheres	II A B C	Ga	Very high	Powered up	0
		2G	High				Gb	High		1
		3G	Normal				Gc	Reinforced		2
		1D	Very high		Explosive dust atmospheres	III A B C	Da	Very high		20 IP6X
		2D	High				Db	High		21 IP6X
		3D	Normal				Dc	Reinforced		22 IP5X

EPL : Equipment protection level

I: Methane
IIA: Propane
IIB: Ethylene
IIC: Hydrogen, Acetylene
IIIA: combustible particles in suspension
IIIB: non-conductive dust (electrical resistivity $>10^3\Omega.m$)
IIIC: conductive dust



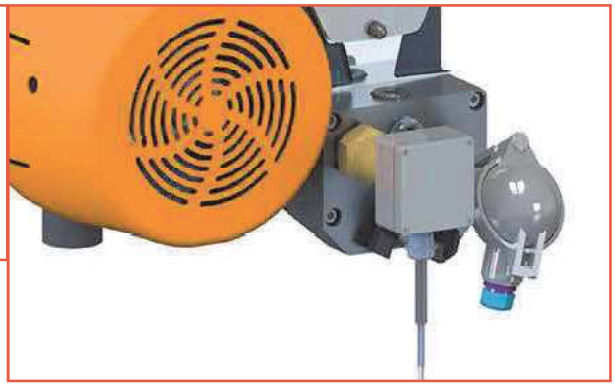
The zoning and field of application of equipment (its protection type) is determined by the site manager where the equipment is installed.

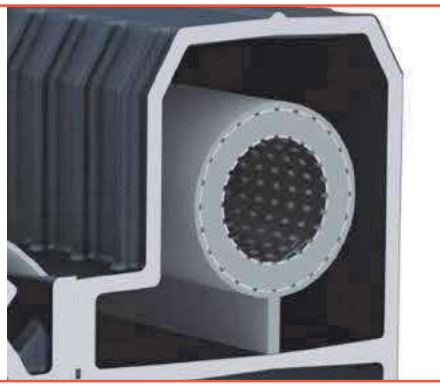
Temperature class	T1	T2	T3	T4	T5	T6
Ignition temperature	> 450°C	> 300°C	> 200°C	> 135°C	> 100°C	> 85°C
Max. permissible surface temperature for the equipment	450°C	300°C	200°C	135°C	100°C	85°C

High performance ATEX oil-flooded vacuum pumps

Gas & dust certified electrical motor

PT100 temperature sensor as standard equipment
Optional oil level sensor
Fixation on reinforced metallic flange





Oil mist filters designed for ATEX areas

50 Hz	Evisa 65.R HV Atex	Evisa 100.R HV Atex	Evisa 200.R HV Atex	Evisa 300.R HV Atex
Nominal air flow rate $m^3.h^{-1}$ - *cfm*	68 - *40*	100 - *58,8*	200 - *117,7*	300 - *176,5*
End vacuum mbar - *torr* - *Gast ballast closed*	≤ 6.10^{-2} - *4,5.10⁻²*	≤ 6.10^{-2} - *4,5.10⁻²*	≤ 6.10^{-2} - *4,5.10⁻²*	≤ 6.10^{-2} - *4,5.10⁻²*
End vacuum mbar - *torr* - *Gast ballast opened*	≤ 5.10^{-1} - *3,8.10⁻¹*	≤ 5.10^{-1} - *3,8.10⁻¹*	≤ 1 - *0,75*	≤ 2 - *1,5*
Motor power	1,5 kW	2,2 kW	4 kW	5.5 kW