

ATEX Symbol

**II 2G**

Equipment Marker  
(ATEX Only)

**Ex h**

Type of Protection

**IIB**

Gas Group

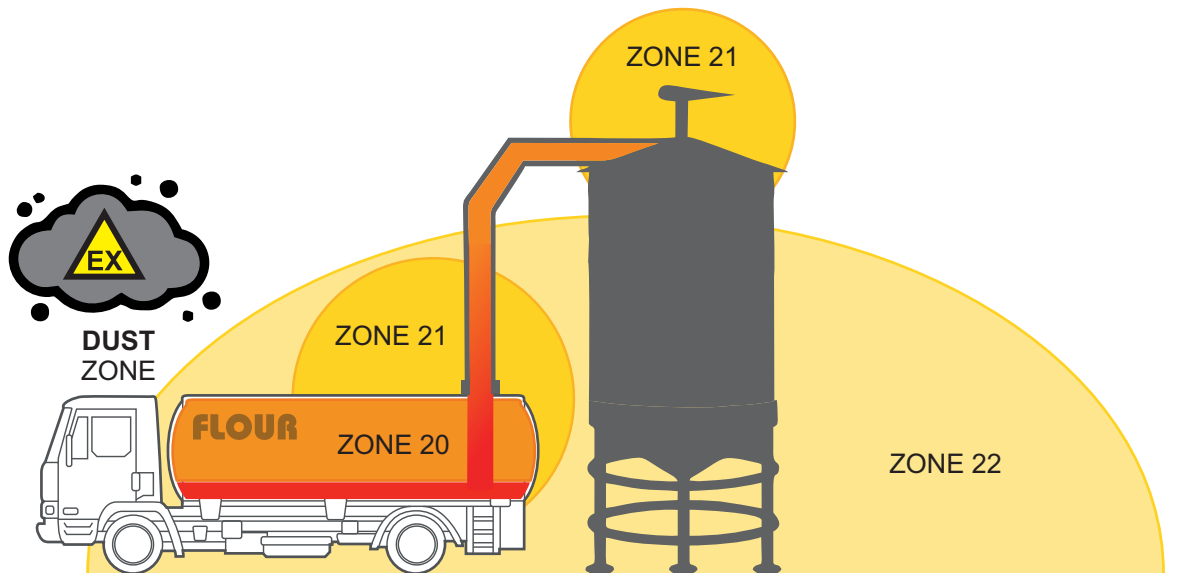
**T6**

Temperature Class

**Gb**

Equipment Protection Level  
(EPL)

GAS	Product Category		GAS Zone	Definition	
	3G	2G	1G	<b>ZONE 2</b>	Explosive atmosphere is unlikely to occur under normal conditions, short periods.
				<b>ZONE 1</b>	Explosive atmosphere is likely to occur under normal conditions, occasionally.
				<b>ZONE 0</b>	Explosive atmosphere present continuously or for long periods, frequently.
Explosion group		Gases are classified according to the ignitability of the gas/air mixture as defined in EN/IEC 60079-20-1		TECNA ATEX balancers	
IIA	IIB	IIC	Acetic Acid, Acetone, Ammonia, Butane, Cyclohexane, Propane, Gasoline (petrol), Methane (natural gas, non-mining), Toluene, Xylene, Methanol (methyl alcohol), Propane-2-ol (iso-propyl alcohol)		All TECNA AX balancers
			Group IIA gases plus, Di-ethyl ether, Ethylene, Ethanol Methyl ethyl ketone (MEK), Propane-1-ol (n-propyl alcohol)		
			Group IIA and IIB gases plus, Acetylene, Hydrogen		
<b>II</b>	Product Group. For use in locations with explosive atmospheres, except in the mining sector.				
<b>EX h</b>	Category of protection against ignition. Protection by constructive safety in accordance with EN ISO 80079-37 (non-electrical devices)				
<b>T6</b>	Temperature class. Classification of explosive gas/air mixtures can also occur through contact with hot surfaces. T6 is the class with the highest requirements.				
<b>Gb</b>	Equipment Protection Level (EPL). In normal operation and expected malfunctions, it does not contain effective ignition sources with regard to gases.				



ATEX Symbol

**II 2D**

Equipment Marker  
(ATEX Only)

**Ex h**

Type of Protection

**IIIC**

Dust Group

**T85°C**

Temperature Class

**Db**

Equipment Protection Level  
(EPL)

Product Category		DUST Zone	Definition
3D	2D	ZONE 22	Explosive atmosphere is unlikely to occur under normal conditions, short periods.
		ZONE 21	Explosive atmosphere is likely to occur under normal conditions, occasionally.
	1D	ZONE 20	Explosive atmosphere present continuously or for long periods, frequently.

Explosion group		Dusts are classified by the types of material that make up the dust	TECNA ATEX balancers
IIIA	IIIB	Combustible Fibres and Flyings	<b>All TECNA AX ZERO GRAVITY balancers</b>
		Group IIIA dusts plus, Non-Conductive Dusts	
	Group IIIA and IIIB dusts plus, Conductive Dusts		
	<b>IIIC</b>		

**DUST**

**II**

Product Group. For use in locations with explosive atmospheres, except in the mining sector.

**EX h**

Category of protection against ignition. Protection by constructive safety in accordance with EN ISO 80079-37 (non-electrical devices)

**T85°C**

Maximum surface temperature. Can be used for dust and powder deposits with an ignition or flameless combustion temperature ABOVE 85°C.

**Db**

Equipment Protection Level (EPL). In normal operation and expected malfunctions, it does not contain effective ignition sources with regard to dust.