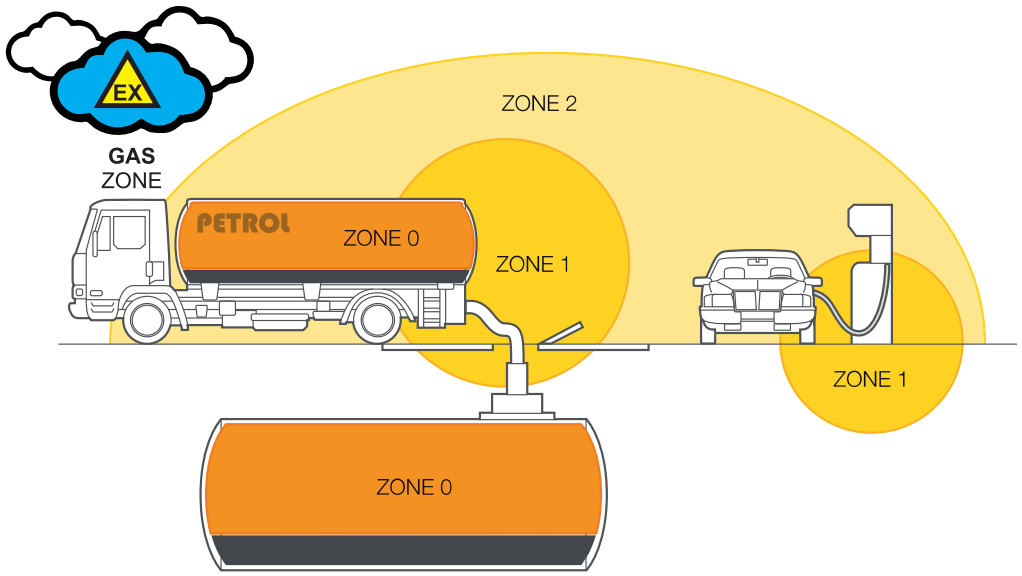
TECNA® ATEX COMPLIANT

GUIDE LINES SPRING BALANCERS

EN



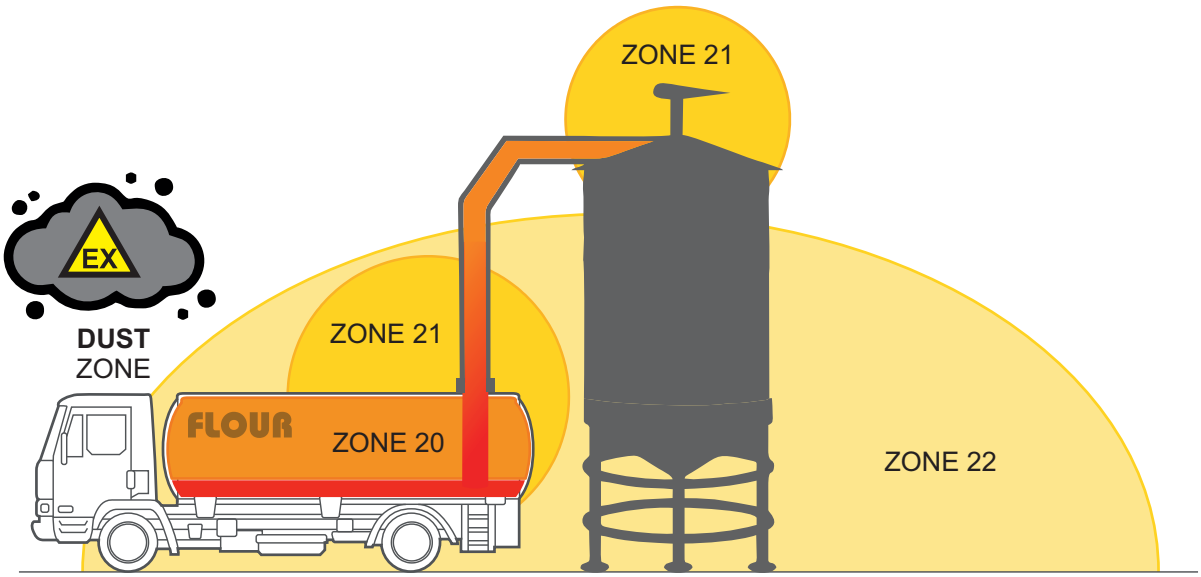
ATEX Symbol	Equipment Marker (ATEX Only)	Type of Protection	Gas Group	Temperature Class	Equipment Protection Level (EPL)
Ex	II 2G	Ex h	IIB	T6	Gb

GAS

Product Category			GAS Zone	Definition
3G	2G	1G	ZONE 2	Explosive atmosphere is unlikely to occur under normal conditions, short periods.
			ZONE 1	Explosive atmosphere is likely to occur under normal conditions, occasionally.
			ZONE 0	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), To-luene, Xylene, Methanol (methyl alcohol), Propane-2-ol (iso-propyl alcohol)	**All TECNA AX balancers**
			Group IIA gases plus, Di-ethyl ether, Ethy-lene, Ethanol Methyl ethyl ketone (MEK), Propane-1-ol (n-propyl alcohol)	**TECNA AX balancers UP TO 10kg load range**
			Group IIA and IIB gases plus, Acetylene, Hydrogen	**TECNA AX balancers models: 9310AX, 9311AX, 9312AX, 9320AX, 9321AX, 9322AX, 9336LAX,9336AX, 9346LAX, 9346AX**

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)
T6	Temperature class. Classification of explosive gas/air mixtures can also occur through contact with hot surfaces. T6 is the class with the highest requirements.
Gb	Equipment Protection Level (EPL). In normal operation and expected malfunctions, it does not contain effective ignition sources with regard to gases.



ATEX Symbol	Equipment Marker (ATEX Only)	Type of Protection	Dust Group	Temperature Class	Equipment Protection Level (EPL)
Ex	II 2D	Ex h	IIIC	T85°C	Db

DUST

Product Category	DUST Zone	Definition
3D	ZONE 22	Explosive atmosphere is unlikely to occur under normal conditions, short periods.
2D	**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	Combustible Fibres and Flyings	**All TECNA AX ZERO GRAVITY balancers**
IIIB	Group IIIA dusts plus, Non-Conductive Dusts	
IIIC	Group IIIA and IIIB dusts plus, Conductive Dusts	

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.

DCB0100023 - Rev. 00 - 07/2023 - TECNA SpA - Castel San Pietro Terme