

# FUEL TANK AIR VENTILATION SYSTEMS

The most widely used energy source today is petroleum and derivative fuels. Heavy hydrocarbons in these fuels form sedimentation and polymerization under the influence of gravity in the tanks where they are stored. Fuel tank cleaning should be done periodically in order to increase the efficiency of the fuel tanks and reduce the harmful gases released to the environment.

The system is used in the evacuation of explosive and harmful volatiles in the vapor or gas phase in the tank in cases that require operation inside the fuel tanks. Gas and steam in the fuel tank are discharged with the air flow created by the pneumatically operated fan.



- ✓ Pneumatic and exproof ventilator with 12'x25' dimensions, working with compressed air
- ✓ Technical Specifications of the Ventilator:

Weight: 12.7 kg

Motor power: 1.5 Hp

Noise level: 86 dBA

Number of Cycles: 3000 rpm / min

Motor air flow rate:  $58.4 \text{ m}^3 / \text{min}$

Air Consumption for Fan Operation:  $1,076 \text{ m}^3 / \text{min}$

Intrinsically safe system has UL and C-UL Certificates.

- ✓ Antistatic air duct: Antistatic and flame retardant feature
- ✓ Antistatic air hose: Provides the air required to operate the ventilator.

Maximum inlet pressure: 7 bar

