ODORIZATION SYSTEM

for NATURAL GAS and BIOMETHANE

OdoZEN®

OdoZEN® is a patented natural gas odorization system. It is particularly suited for use with renewable gases such as biomethane.

A highly accurate system able to react to any sudden changes in pressure and flowrate, and able to dose over a wide range of concentrations.

Features

- Odorant injection regulating valve controlled via mass flowrate measurement.

- "Closed loop" odorant circulation.

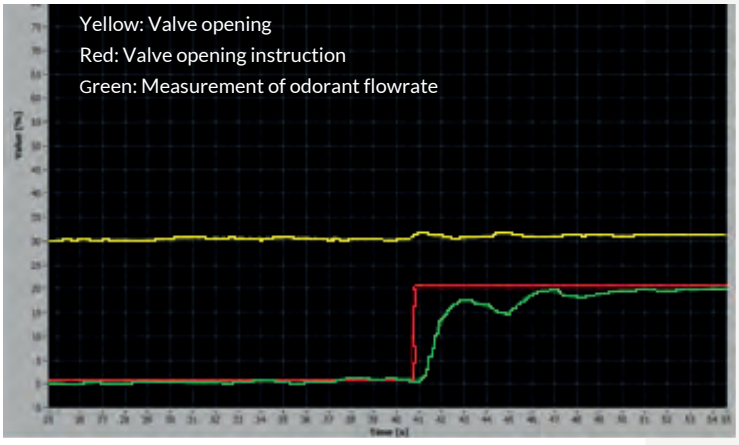
- Stainless steel piston pump with Teflon double membrane.

- Automatic or manual operation via controller.

- Digital touchscreen interface.

- System-specific injection probe connected to the skid.

- ATEX zone 1 compliant.



Injection, setpoint and regulation curves

Benefits

- Immediate response to variations in flowrate and/or pressure.

- No under or over dosing of odorant.

- Steady and accurate control of the odorant injection.

- No risk of pudding at injection point.

- Turnkey, self-contained and compact unit.

- Mobile system available on request.

SOCLEMA
Advanced Industrial Sampling

3D drawing of the skid and injection probe assembly

1. Mass flow meter
2. Flow control valve
3. Pressure regulation stages
4. High pressure circulating pump
5. Injection probe

Technical specifications

Operating ambient temperature	0 - 55°C
Injection maximum pressure	70 barg
Flow of gas to be odorized	5 - 1000 Nm3/h
Odorant concentration setting	25mg/Nm3 (Other configurable values)
Wetted materials	316 stainless steel
Sealing	Perfluorocarbon, Teflon and Viton
Power supply	230 volts AC single phase (Rated power = 2000W)
Communication protocol	Modbus Ethernet TCP/IP (communication module provided)
Input/Output	4-20mA, TOR
Footprint (Approx.)	2000 x 1200 x 600 mm

Applications

- Biomethane injection station
- Start-up phase of a new installation or network extension.
- Odorization correction (storage, reverse flow stations ...)

SOCLEMA
ZA Clapeloup - 4, rue des Roses,
69280 Sainte-Consorce - France
+33 (0)4 78 87 89 45
www.soclema.com