

## OBP – Bypass Odouriser

The EnPro OBP Bypass odouriser has been developed to offer a system that offers complete flexibility that can easily be expanded with options depending on the level of control and reporting required. Or supplied as a simple fixed control system.

Bypass odourant injection systems eliminate the problem of odourant escape as the injection of odourant into the pipeline is via saturated gas taken from a higher pressure source upstream. This gas is only odourant saturated after it has passed through the controlling elements.

The basic system offers the following:-

Panel mounted system with:

- PLC based controller
- IP66 controller enclosure.
- Solenoid valve with Ex 'd' solenoid valve coil
- Filter regulator
- 24 VDC system

**Odourant storage vessel:-**

- Relief Valve
- Pressure gauge
- Mechanical level gauge
- QC hose connections
- TFE braided hoses
- Constructed to AS 1210.

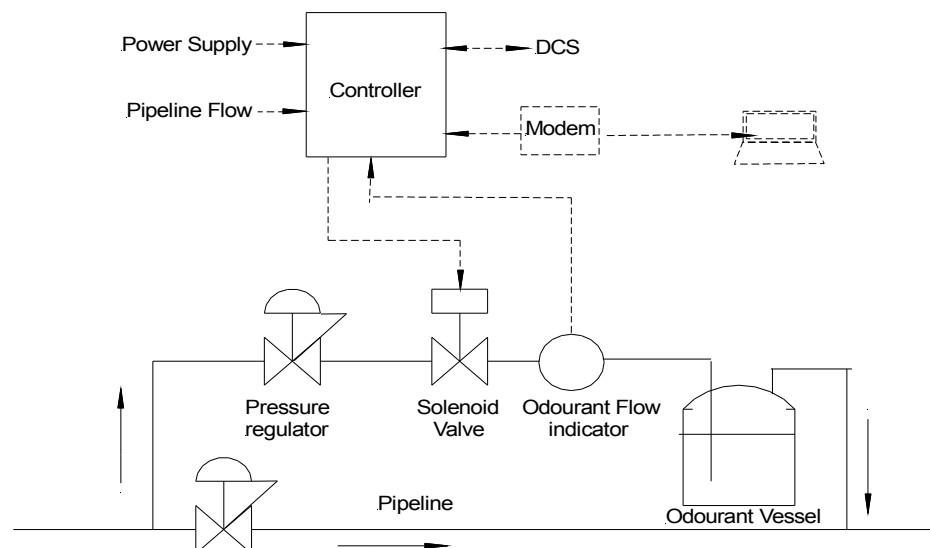
### Controller:-

I/O signals

- 24 VDC - Supply
- analogue or digital flow signal from pipeline flow meter
- Ethernet conn (DCS ; SCADA etc)
- Input signal from pipeline flowmeter. Analogue or Digital
- Pipeline flow and odourant output comparator c/w deviation alarm
- SCADA or DCS controls and signals - alarm, control adjustments
- Automatic back-up (swap solenoid valve control signal)

### Options:

- Temperature compensation.
- Redundancy, separate control line for switch-over.
- Modem for computer interface RS232 – adjustment and history logs retrieval. Alarm event;
- Ex'd' or Ex'e'



**Basic OBP system**



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