

GAS ODORIZING SYSTEM



ASOG (AUTOMATED GAS ODORIZING SYSTEM)

DOSER



ASOG is designed for:

- Pulsed dosing of odorant supply to natural gas flow;
- Control of odorant supply to gas main;
- Generation of alarm and warning signals of remote signaling that reflect the system condition.

ELECTRONIC
CONTROL
UNIT

The system consist of:

- A doser comprising an odorant purification unit, a pump, feed sensor;
- Electronic control unit with archiving data on the odorant consumption per day, month, 12 months;
- OSWB Odorant Storage Working Block (for some version);
- Level sensor (for some version);
- Doser heating kit ITsFR.305659.001 (optional equipment).

Technical specification:

A single injected odorant dose volume, ml	0,31- 0,7;
Gas flow rate range at GDS, m ³ /h	200 – 250 000;
Operation temperature range, °C	- 40 - +50;
Operational gas pressure in a pipeline, MPa	0,2 - 1,2;
Operation mode	continuous, 24/h;
Consumed power, W	at least 15;
Mean time between failures, h	≥80000;
Service period, years	15;
Warranty period, years	1,5

ASOG operates since 2001 at GDS (gas distributing stations) in Russia, Armenia, Kazakhstan, Transnistria. Produced more than 300 units.

ASOG with OSWB ITsFR.423314.001-13, -14, -15 (Automated Gas Odorizing System with Odorant Storage Working Block)



Frame construction for subsequent installation in GDS (Gas Distribution Station) with 6 supply tanks and magnetic indicator liquid level

Description of OSWB:

OSWB designed to ensure uninterrupted odorant metering to the doser of automated gas odorizing system (ASOG).

OSWB consists of:

Metall box with stainless steel piping system and valves.

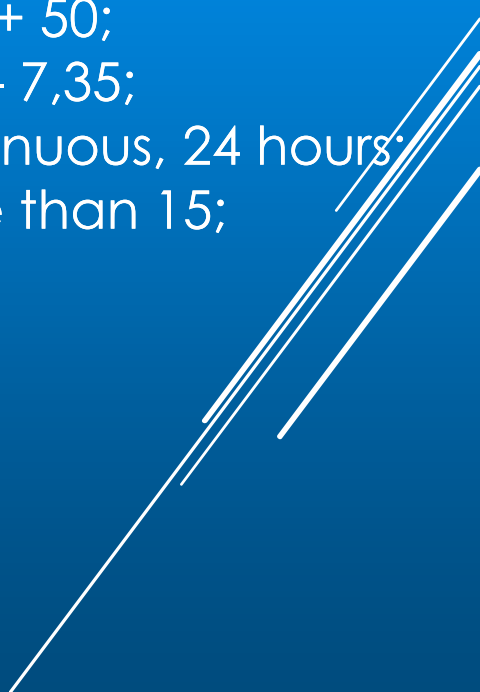
Plased in the box:

- Liquid-level indicator;
- Stainless steel consumable tanks;
- Stainless steel buffer tank;
- Dropper;
- Filter magnetic;
- Ejector;
- Manovakuometr MTK, 2,4 MPa;
- Manometr MTK, 10 MPa;
- Reducer balloon.

OSWB also includes a box storage nitrogen container.

Main technical characteristics:

Total volume of tanks consumable, m ³	0,032-0,160;
Volume of tank buffer, m ³	0,004;
Gas flow rate range at GDS, m ³ /h	200 – 250 000,
Operation temperature range, °C	-40 - + 50;
Working gas power in pipeline, MPa	1,18 - 7,35;
Operation mode	continuous, 24 hours;
Service period, years	more than 15;
Warranty period, years	1,5



Odorization system options

Designation	Contents of system				
	Electronic Control Unit	Doser (capacity)	Level sensor	Odorant Storage Working Block	Certificate
ITsFR.423314.001*	KLIZh.421413.001	ITsFR.063831.001 (200...50 000 m ³ /h)	Not available	Not available	ITsFR.423314.001 FO
ITsFR.423314.001-03*		ITsFR.063831.001 (200...50 000 m ³ /h)	ITsFR.406411.002	Not available	ITsFR.423314.001-03FO
ITsFR.423314.001-06*		ITsFR.063831.001-01 (1000...125 000m ³ /h)	Not available	Not available	ITsFR.423314.001-06FO
ITsFR.423314.001-13**		ITsFR.063831.001 (200...50 000 m ³ /h)	ITsFR.406411.002	ITsFR.306289.001	ITsFR.423314.001-13FO
ITsFR.423314.001-14**		ITsFR.063831.001-01 (1000...125 000m ³ /h)	ITsFR.406411.002	ITsFR.306289.001	ITsFR.423314.001-14FO
ITsFR.423314.001-15**		ITsFR.063831.001-01 (1000...125 000m ³ /h) 2 pc.	ITsFR.406411.002	ITsFR.306289.001	ITsFR.423314.001-15FO

Notation:

* Dropper replacement version – electronically controlled odorizing unit

** Cabinet or frame design (ASOG with OSWB). Includes electronically controlled odorizing unit, consumable tanks, stainless steel piping system and valves.



MAGNETIC LIQUID-LEVEL INDICATOR (RUUM)

Magnetic liquid-level indicator is intended for both direct visual control of liquid level in tanks and vessels of different dimensions as well as indirect remote control by converting the liquid level into a unified dc current of 4-20 mA.

Liquid level alarms are used for control of fixed liquid levels within the entire control range.

RUUM is intended for operation with a wide range of liquids including corrosive, hazardous and toxic ones: ethyl mercaptan, acid, alkali, perluxe, gasoline, oil etc.

Main technical characteristics:

- Max. level control range, mm 3000
- Max. fluid pressure, MPa 5,0
- Max. fluid temperature, °C 400

CONTACTS:

Placement of order and selling of products:

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