

CAMDA H SERIES GAS GENERATOR PRETREATMENT SYSTEM



1. Application field

The skid-mounted biogas pretreatment system adopts the dry desulfurization system which is applicable for small industrial devices whose H₂S is less than 2000ppm. The biggest skid-mounted pretreatment system can deal with 300Nm³/h biogas and we suggest it to be used in farmland which can equipped with CHP system. In the industrial waste water biogas project, if the devices has to run long time in a day, the H₂S is high and has to synchronize with the nation grid, the biogas dry desulfurization system has to be designed specifically.

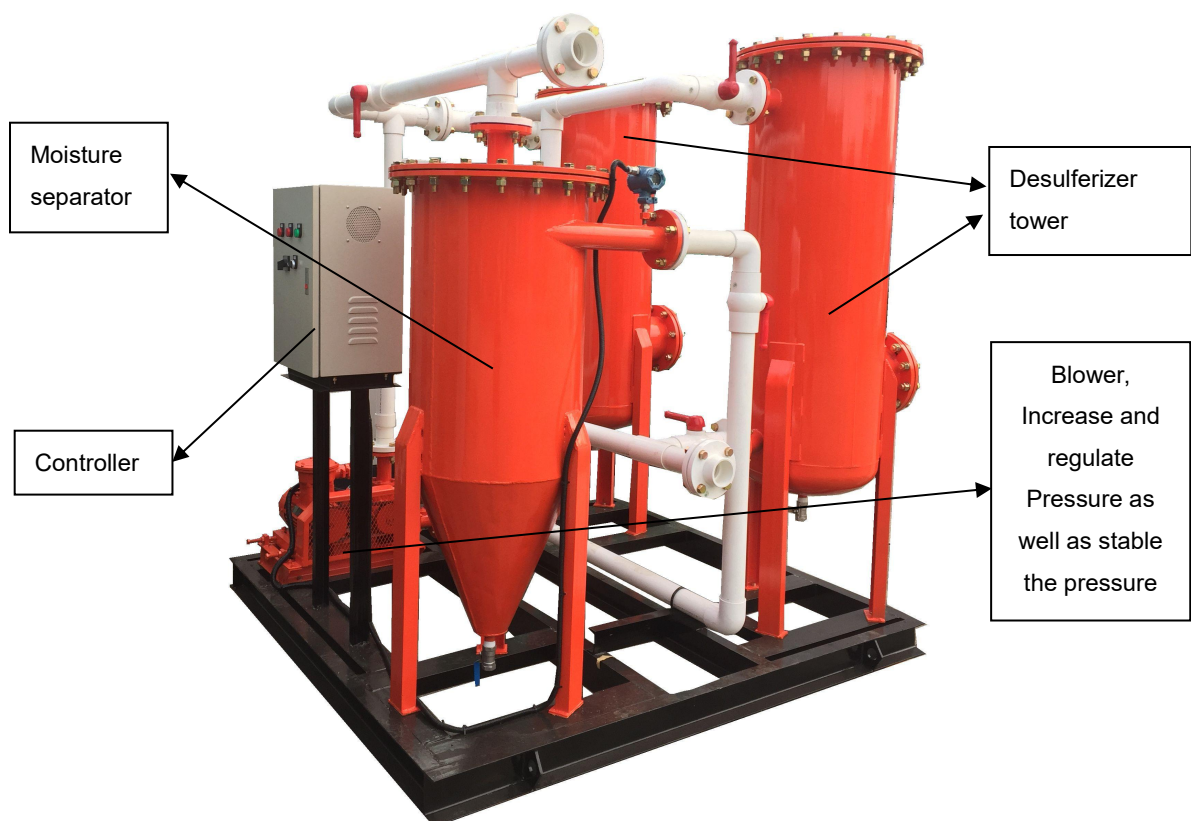
The application domains equipped with small biogas generator set:

Pig farm with more than 3000 pigs
Cow farm with more than 500 cows
Chicken farm with more than 10000 chicken
Biogas collected from more than 200 peasant households can be used to generate electricity.

2. Application Environment

The working area ambient temperature should be in the range of 0 ~ 50 °C due to the drained water from the pretreatment. If there is any underground sewage wells, the system has to anti-freezing and anti-cracking. This system is better to be installed in a well-ventilated room.

3. Main Parts and Function



4. Specifications

Model	KDCL-50-WQ	KDCL-100-WQ	KDCL-200-WQ	KDCL-300-WQ
Gen-set Power (KW)	24-60	80-120	150-200	250-300
Gas Flow (Nm ³ /h)	30-60	60-100	100-150	150-200
Working Pressure (Kpa)	4-40	4-40	4-40	4-40
Desulfurizer	2 pcs	2 pcs	2 pcs	4 pcs
Model & Size	KDTL-250-G	KDTL-400-G	KDTL-800-G	KDTL-800-G
	SS304	SS304	SS304	SS304
	Φ500×1880×3.0mm	Φ600×2080×3.0mm	Φ800×2130×3.0mm	Φ800×2130×3.0mm
Water separator Model & Size	KDFC-200-G	KDFC-200-G	KDFC-200-G	KDFC-200-G
	Q235A	Q235A	Q235A	Q235A
	Φ500×1540×3.0mm	Φ500×1540×3.0mm	Φ500×1540×3.0mm	Φ500×1540×3.0mm
Gas Blower Model&Power	NSR50-50A 1.5KW	NSR65-65A 1.5KW	NSR80-80A 2.2KW	NSR100-100A 3KW
Inlet&Outlet	DN50	DN65	DN80	DN100
Flange	PN10	PN10	PN10	PN10
Ferric Oxide Q.TY	2x150kg	2x225kg	2x300kg	4x450kg
Replacement (Hours)	1250	1250	1250	1250
Dimension (mm)	2000×2000×2160	2000×2000×2200	2500×2000×2250	4200×2000×2280
Main Function	Desulfurization, Dedust, Dewater, Booster pressure, Stalibize pressure			

5. Pictures

KDCL-50-WQ



KDCL-100-WQ



KDCL-200-WQ



KDCL-300-WQ

