NITROGEN GENERATOR SYSTEM

Inert Gas System

The Inert Gas System is also can called as Fuel Gas System or abbreviated to IGS. Principle: The inert gas system uses the gas from boiler combustion, processing through cooling, scrubbing and desulfurizatio...

ISO9001 Supplier

Class Certificate

Export Supply



Key Highlights

Category	Nitrogen Generator System
Standard	EN
Material	Steel
Weight / Size	Model No Flow Rate(Nm3/h) Scrubber size(mm) Fan SIZE (2*100%) Deck Water...
Certificate	CCS

We can supply according to your requirement, drawings, class certificate needs, and delivery schedule.

Technical Specifications			
Category	Nitrogen Generator System	**Model / SKU**	Inert-Gas-System
Standard	EN	**Material**	Steel
Weight / Size	Model No Flow Rate(Nm3/h) Scrubber size(mm) Fan SIZE (2*100%) Deck Water Seal size(mm) P/V Breaker Size(mm) L W H YT-IGS2500 2500 D900*3000 1150 900 1700 D900*3000 D400*2700 YT-IGS5000 5000 D1200*3000 1150 900 1700 D1200*3000 D540*2700 YT-IGS8000 8000 D1400*3300 1450 1000 1800 D1400*3000 D710*2700 YT-IGS10000 10000 D1500*3300 1450 1000 1800 D1500*3000 D820*2700 YT-IGS12500 12500 D1700*3300 1650 1200 1900 D1700*3000 D820*2700 YT-IGS15000 15000 D1800*3500 1700 1200 1900 D1800*3000 D900*2700	**Certificate**	CCS
Warranty	12 Months unless specified otherwise	**Origin**	China

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China Inert Gas System:

The Inert Gas System is also can called as Fuel Gas System or abbreviated to IGS.

Principle:

The inert gas system uses the gas from boiler combustion, processing through cooling, scrubbing and desulfurization, to produce inert gas which contents oxygen less than 5%. The inert gas fills in the tank, the mixed gas in tank is controlled under explosive limit to protect the cargo and the safety of the vessel during international transportation.

Working Process:

The flow chart is a typical diagram of inert gas (flue gas) system. The fuel gas from the boiler combustion enters the funnel, is pulled out by the fan and then enters the scrubber via the bleeder valve in where it is condensed, dusted and desulfurized. The purity flue gas is dried with the dehumidifier and then blown into the cargo tank through the pipe which is equipped with control valve, deck water seal, and non-return valve by the fan.

Technology Parameters:

Capacity: 0~15000Nm3/h

Composition: O2≤5%(VOL), CO2: approx. 13%(VOL), SO2≤100ppm(VOL), N2: rest

Features:

1. It is an advance and economic technology to produce inert gas from boiler flue gas with low cost.

2.The source of flue gas is stable and capacity of inert gas is controllable.

3.The system design is reasonable. Concentration, pressure and capacity of inert gas is under inspected strictly.

4.The whole system is tested for long time and has already got the class certificates. It is originated in China with advance technology and reliable operation.

5.High-end equipments, some of critical equipment such as control valves, gas detector etc are imported to make sure the stable running.

6.Easy to operate with control panel which can display the whole operation process. PLC and alarm design are reasonable.

7.Provide comprehensive training and after-sales support for customer in the whole world.

Model and Specification:

Model No	Flow Rate(Nm3/h)	Scrubber size(mm)	Fan SIZE (2*100%)			Deck Water Seal size(mm)	P/V Breaker Size(mm)
			L	W	H		
YT-IGS2500	2500	D900*3000	1150	900	1700	D900*3000	D400*2700
YT-IGS5000	5000	D1200*3000	1150	900	1700	D1200*3000	D540*2700
YT-IGS8000	8000	D1400*3300	1450	1000	1800	D1400*3000	D710*2700
YT-IGS10000	10000	D1500*3300	1450	1000	1800	D1500*3000	D820*2700
YT-IGS12500	12500	D1700*3300	1650	1200	1900	D1700*3000	D820*2700
YT-IGS15000	15000	D1800*3500	1700	1200	1900	D1800*3000	D900*2700