

MariFlex IGG-2000 Inert Gas Generator

MariFlex development, manufacturing, sales, rental and repair of off-loading equipment/systems.

As a specialist in service and repairs, MariFlex has a very comprehensive selection of pumps, powerpacks and other equipment available for sale or rent, specially designed and purpose-built for the transshipment of liquid cargoes.

MariFlex can offer you equipment ranging from complete standard portable pumping installations to custom made turn-key marine equipment.

Upon request, MariFlex designs and builds special pumps, powerpacks and other equipment, according to internationally recognised standards and guidelines.



MariFlex IGG 2000 Inert Gas Generator

The Lloyds certified MariFlex Inert Gas Generator is designed/built in accordance with the regulations of IMO and is meant for shipboard use and outdoor operation.

The Inert Gas capacity and composition is calculated at 100% atmospheric relative humidity with a combustion air and cooling water temperature of +25°C.

Pressures mentioned are effective working pressures with $\pm 5\%$ tolerance.
Temperature tolerance $\pm 1^\circ\text{C}$.
Quantities tolerance $\pm 3\%$.

The combustion chamber cooling water jacket is designed for a maximum overpressure of 1bar.



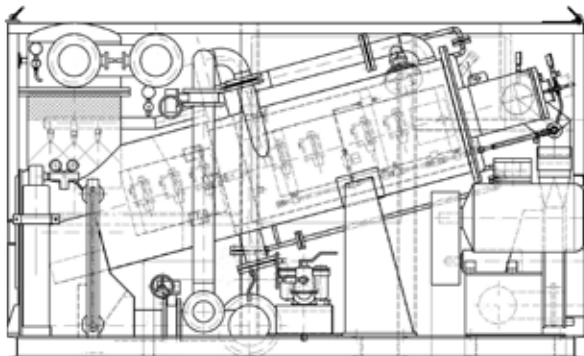
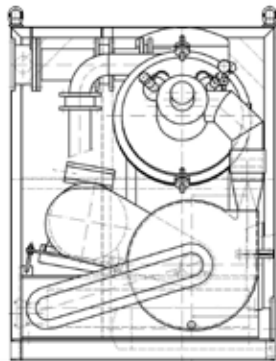
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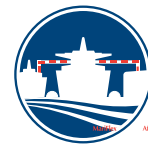
Specifications MariFlex IGG 2000

DIESEL ENGINE

| | |
|---|---|
| Make/Type | : Smit Gas Systems/ Gin - 0,15 |
| Capacity | : 2000 m ³ /h @ 0.15 bar |
| Gas composition (Based on dry gas) | |
| Oxygen O² | : 2-4 vol % |
| Carbon monoxide CO | : max 500 ppm |
| Carbon dioxides CO² | : max 14,0 vol % |
| Sulphur oxides SO_x | : max 500 ppm |
| Nitrogen N² | : balance |
| Soot | : 0 on scale Bacharach (Bacharach 0 = complete absence) N.B. at lower O ² content CO content will increase. |
| Temperature | : Aprox. 10°C above cooling water inlet temperature. |
| Dewpoint | : Saturated (at gas temperature) |



| | |
|---------------------------------|--|
| Fuel | : Clean automotive diesel (according EN 590). |
| Inlet Pressure | : 0-0.4 bar |
| Consumption | : Approx. 162 kg/h |
| Electricity | : Main supply system (System has be designed for two different supply systems) 380V/3Ph/50Hz and 440V/3Ph/60Hz |
| Combustion air fan motor | |
| Rating | : 35 kW |
| Consumption | : 30 kW @ 50Hz (pulley SPA-100-4) : 34.5 kW @ 60Hz (pulley SPA-118-4) |
| F.O.P motor | |
| Rating | : 0.9 kW |
| Consumption | : 0.6 kW |
| Auxiliaries | |
| Rating | : 3 kW |
| Consumption | : 3 kW |
| Cooling water | |
| Consumption | : 120 m ³ /h @ 25 mwc of filtered water mesh 4 mm at max. 32°C |
| Dimensions | |
| (l x w x h in cm.) | : 310 cm x 180 cm x 1595 cm |
| Weight dry | : Approx. 2600 kg. |



MariFlex Group

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