



Gas detection in ballast tanks, dry void spaces and pump room

The GASBAL™ system is designed to detect and analyse gas concentration in closed spaces such as ballast tanks, void or dry spaces. The system scrolls each input and activates an alarm if the gas concentration is over the pre-set value. This gas detection system can be installed on board tankers, OBOs, offshore vessels and rigs.

The GASBAL™ system consists of two main units:

- **an analysing unit**, including up to three different gas sensors, and up to 24 input channels for sampling and 6 channels for 4-20mA inputs (local gas transmitters).
- **a control unit**, for local and/or remote operation, fitted with an LCD display and a keyboard, used to set up, operate, check and maintain the GASBAL™ equipment. Two digital RS485 ports allow control and communication with any host computers. The GASBAL™ Analysing Unit's and local detectors, are delivered with factory calibration, covered by Honeywell Marine's Certificate. Due to restriction on gas transportation, vessel should have relevant calibration gases available onboard (supplied by shipyard or local supplier).

Gasbal™ System - Technical Specifications

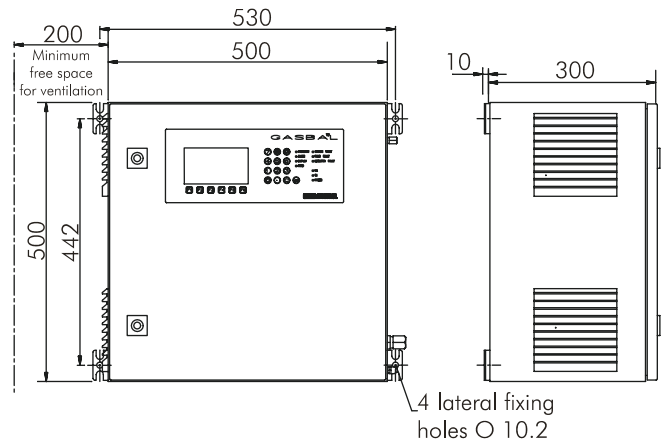
Technical Data

Number of channels:	up to 24.
Gas detection:	up to 7 diff. types (4-20mA sensor)
Alarm output:	Dry contacts for: <ul style="list-style-type: none"> • Gas alarm • System fault • Horn & rotating lamp • Power supply fault
Alarm:	2 adjustable set points per channel
Suction capacity:	up to 400m
Automatic purge	
Power supply:	115/230 Vac / 50-60Hz
Operating temperatures:	-25°C + 70°C
Weight:	32 kg

Special Features

- Monitoring capacity up to 24 channels
- Analysing up to 7 different gases
- User friendly man-machine interface
- Large display unit
- MED approved in order to meet ISGOTT Regulations (chapter 7.8 and 8.2)
- Possibility to combine sampling method and local gas sensors
- Modbus RTU communication protocol
- 2 digital RS485 communication ports
- Remote control unit
- Option: Analog transmitter scanning

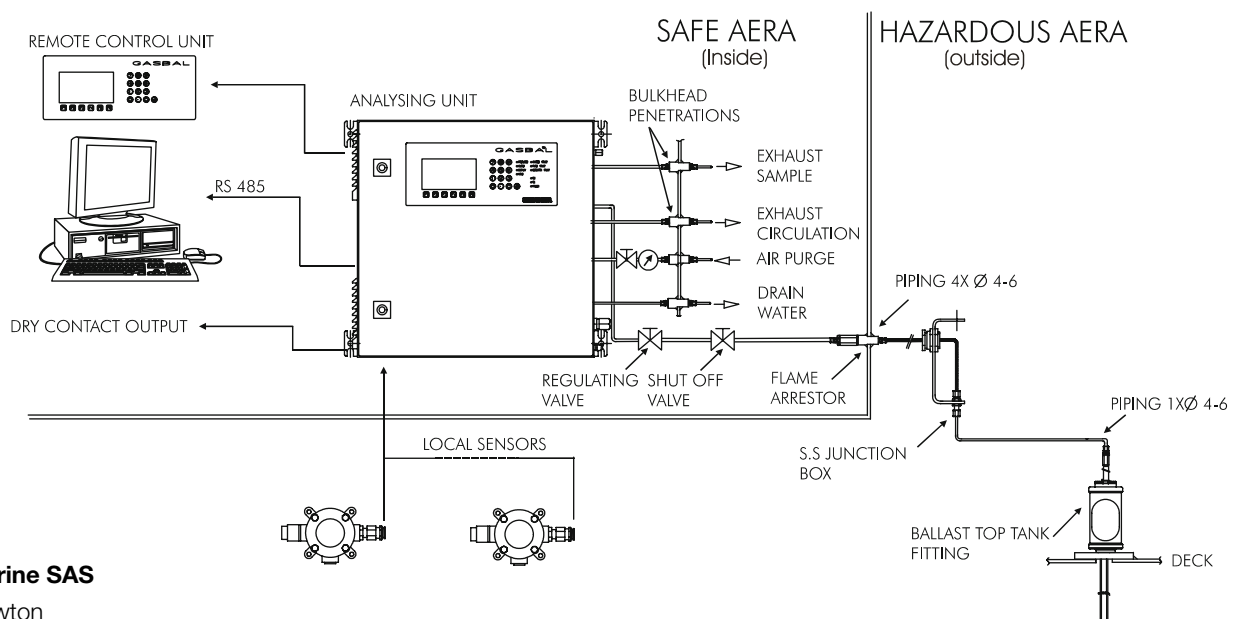
Dimensions & Fixation



Technical Documentation

Technical manual:	MT5094
Installation manual:	MI5094
Maintenance manual:	MM5094

System Diagram



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