



## Scrubber Gas Datasheet



### Navigating the IMO 2020 Landscape with FastCalGas: Your Partner in MARPOL Compliance

The shipping industry has undergone a significant transformation with the implementation of IMO 2020 regulations. The global upper limit on sulphur content for ships' fuel oil is now 0.50%, down from 3.50%, and is mandatory for all ships operating outside of designated Emission Control Areas.

This shift has presented new challenges for operators seeking to maintain compliance while optimising operational efficiency. Several different methods, including the installation of an Exhaust Gas Cleaning System (EGCS), also known as a 'scrubber,' can allow ships to comply with IMO 2020.

The challenges of complying with IMO 2020 regulations require precise and reliable measurements. Our calibration gas solutions provide the accuracy and reliability necessary for ensuring optimal scrubber system performance and regulatory compliance.

We can create fully bespoke mixtures of SO<sub>2</sub> & CO<sub>2</sub> for our Scrubber Gas, tailored to the unique system requirements of each vessel's EGCS.

#### By partnering with us, you can:



##### Experience reliable and timely delivery

Benefit from rapid turnarounds, extended shelf lives, and risk-free delivery for all your calibration gas needs.



##### Calibrate confidently

Receive custom-blended SO<sub>2</sub> & CO<sub>2</sub> mixtures tailored to your vessel's specific EGCS requirements.



##### Achieve compliance

Our calibration gases guarantee accurate measurements, enabling you to fine-tune your scrubber operations for maximum efficiency and adherence to IMO 2020 regulations.



##### Extend equipment life

Regular calibration is not just about compliance; it also helps prolong the lifespan of your equipment.



##### Optimise efficiency

Accurate measurements allow you to identify areas for improvement and optimise your scrubber system's performance.

Our tailored gas mixtures can accommodate even the most intricate systems.

**To find out more, take advantage of our rapid-quote service!**

# Scrubber Gas

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## TECHNICAL SPECIFICATIONS

Gas Mixture Unit	Mol% unless otherwise stated	
Definition of Air	20.9% Oxygen in Nitrogen	
Shelf Life	24 months	
Canister Material	Aluminium	
<b>UK Manufacture – Worldwide Delivery</b>		
Cylinder Size	5 Liquid Litre	10 Liquid Litre
Valve type	BS15	BS15
Water Capacity	5 Litres	10 Litres
Gas Capacity	750L	1500L
Pressure (Bar)	150	150
Dimensions	505mm (H) x 150mm (W) (20 x 6")	700mm (H) x 175mm (W) (27.6 x 6.9")
Weight	8Kg (17.6lb)	14Kg (31lb)
<b>USA Manufacture – Delivery outside of Europe</b>		
Cylinder Size	650ES	10 Liquid Litre
Valve type	CGA660	CGA660
Water Capacity	5.7L	10L
Gas Capacity	650L	1500L
Pressure (Bar)	114	150
Dimensions	490mm (H) x 175mm (W) (19.25 x 6.89")	710mm (H) x 185mm (W) (28 x 7.25")
Weight	7.17Kg (15.8lb)	14Kg (31lb)

\*Cylinder heights are to the centre of the outlet valve.

\*\*Weight is cylinder and valve, no contents

## CYLINDER CERTIFIED STANDARDS

Concentration	Preparation Tolerance	Certified Accuracy
<1ppm	40%	5%
1 - 9.9ppm	20%	5%
10 - 99ppm	10%	2%
0.01 - 0.99%	10%	2%
>1%	5%	2%

Our standard preparation tolerance and certification accuracy (Certified Standard), are given in the below table.

