

EXHAUST GAS CLEANING PUMPS

Powering a better future



Solutions for the zero-carbon transition

SVANEHØJ
— An ITT Company



The right solution for ultimate efficiency and compliance

New environmental regulations are challenging for shipowners. Recognized as a leading expert in pumping systems for the marine industry, Svanehoj Singapore ensures the right pump solution for efficient Exhaust Gas Cleaning Systems (EGCS) and compliance to the latest sulphur limits.

Since introducing EGC pumps in 2010, Svanehoj Singapore has supplied over 800 pumps for this application to Scrubber OEMs and System Integrators.

The latest 2020 IMO Sulphur Regulation forces shipowners to limit their fuel sulphur content to 0.5 percent in order to reduce the amount of sulphur oxide emissions from vessels. A powerful EGCS is for many the answer to this challenge.

Whether the EGCS is an open loop, closed loop or hybrid system, the line of scrubber or EGC pumps from Svanehoj Singapore are designed to fit easily, provide efficiency and reliability – even in the most difficult conditions – and to protect the environment. Furthermore it provides compliance, minimize operational downtime and costly fines with non-compliant EGC system.

The combination of worldwide 24/7 service, decades of expertise and fast on-time delivery makes Svanehoj Singapore a partner that never leaves focus on what matters most: Results you can trust.

Find our products and solutions within the areas of Engine Room Pumps, Cargo Oil and Ballast Pumping System, Fire Water Pump Packages, Exhaust Gas Cleaning Pumps and Offshore Products, as well as Global Sales and Aftersales Services at www.svanehoj.com

Why choose EGC pumps from Svanehoj Singapore?

Hamworthy Pumps Scrubber or EGC pumps are built for ultimate reliability, accessibility and efficiency and purposely designed for the arduous scrubbing water applications.



Premium quality

Tough conditions call for tough materials and premium quality. Our EGC pumps are made of Super Duplex Stainless Steel or Ni-Al-bronze to endure uninterrupted operations and a long service life.



Compact and configurable

Compact, application-specific and with multiple orientations and configuration options, EGC pumps ensure easy installation and optimum use of space. Where requirements are not within the scope of supply, Hamworthy Pumps will still be able to source and provide a complete pump package through strategic partnerships with global suppliers.



Comprehensive range

Hamworthy Pumps offer vertical EGC pumps with capacities up to 2000 m3 and pressures up to 160 mlc proven in exhaust gas cleaning applications.



Fast on-time delivery

Besides stocking of various bare-shaft pump models, we have up to 85% spares requirement readily available for worldwide delivery to meet your project schedules.



High performance and reliability

The EGC pumps delivers excellent hydraulic performance with high efficiency and low NPSHr. Upgraded bearing and seal arrangements ensures ultimate operational reliability.



Quality, health, safety and environment

Svanehoj Singapore operates with the QHSE management system, which conforms to ISO 9001:2015, ISO 14001:2015, ISO 45001:2018 and is certified by DNV GL.

We also hold various product certifications under classification societies such as ABS, BV, DNV GL, LR, NK and we are able to provide other classifications upon request.

Pumps and Applications for Exhaust Gas Cleaning Systems

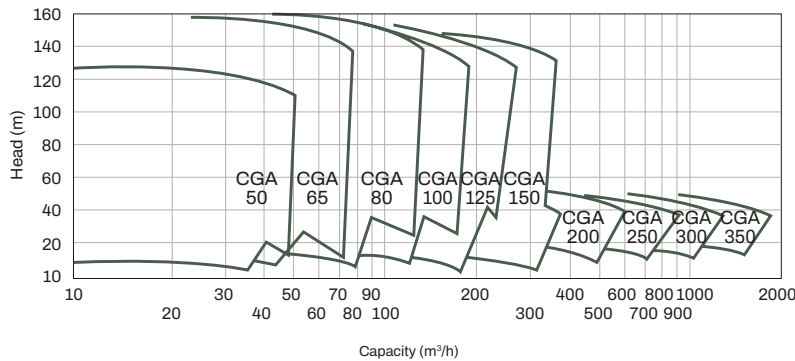
Hamworthy Pumps have a broad range of scrubber or EGC pumps that are optimized to suit the needs and challenges of ship owners around the world.



Model CG

Vertical inline single stage pump in single suction impeller, radially split casing with flexible spacer coupling and hydrodynamic sleeve bearing.

Capacity range



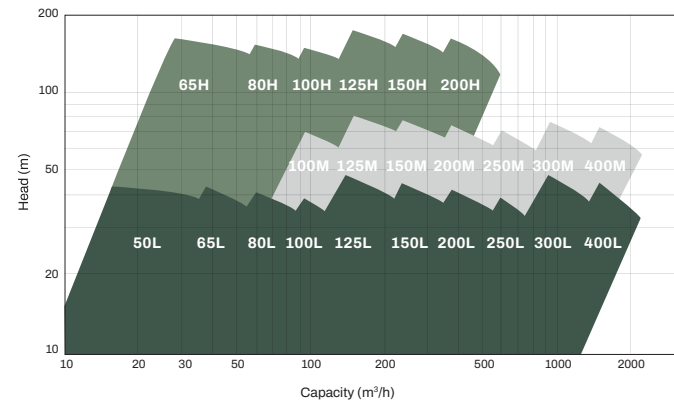
CAPACITY RANGE & PRESSURE	ADVANTAGES	APPLICATION
Capacity: 30 – 1100 m3/h Differential pressure: 15 – 120 mlc.	Hydraulic design and compact size. Long and reliable service life. Easy maintenance.	Scrubber process pump, scrubber seawater pump, circulation pump.



Model CGX

Vertical inline overhung pumps with single suction impeller, radially split casing with flexible coupling options. Comes with ball bearing and mechanical seal as an integral unit which enables quick maintenance turnaroundtime.

Capacity range

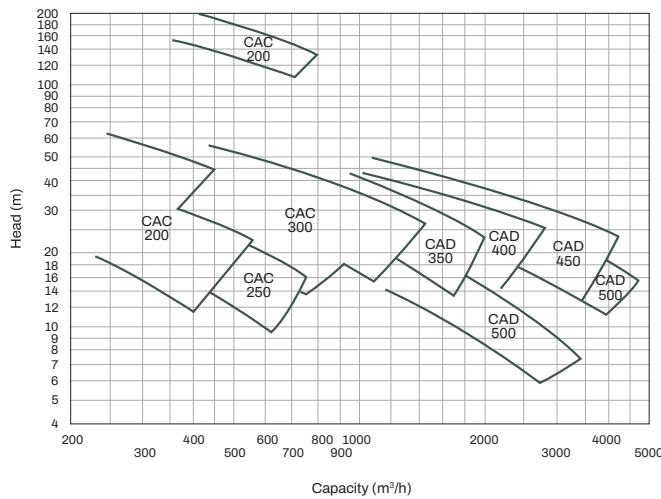


CAPACITY RANGE & PRESSURE	ADVANTAGES	APPLICATION
Capacity: 30 – 1600 m3/h Differential pressure: 15 – 150 mlc	Three pressure classes (CGL, CGM, CGH). High suction performance and low power requirement. Very compact design and Integral feet and connection ugs for the motor pedestal. Easy maintenance.	Scrubber process pump, scrubber seawater pump, circulation pump.

Model CA

Between bearing pumps which can operate in both vertical in-line foot mounted and horizontal installations. Available in single and two stage impeller.

Capacity range



CAPACITY RANGE & PRESSURE	ADVANTAGES	APPLICATION
SINGLE STAGE Capacity: 800 – 4500 m3/h Differential pressure: Up to 40 mlc.	TWO STAGE Capacity: 100 – 400 m3/h Differential pressure: Up to 120 mlc.	High efficiency and reliable suction performance. Compact and robust design. Double suction impeller.
		Scrubber process pump, scrubber seawater pump, circulation pump.

Excellent service at all times

It is essential for any marine business to have the pumps running. With a strong worldwide service set-up Svanehoj Singapore ensures maximum competitiveness at all times.

Problems need to be solved quickly in the marine industry. Every minute counts. The support and service of Svanehoj Singapore is designed to match these needs and take on challenges however difficult they might be. As a customer you can be sure of:

- 24/7 hotline managed by experienced experts
- On-site help within 24 hours at any location
- Rapid OEM spare part supply

Svanehoj Singapore also offers a wide range of repair and maintenance services, from performance optimisation to on-site training and monitoring.



CASE STORY

Short lead time secures orders

Scrubber manufacturer Langh Tech has chosen Svanehoj Singapore as a pump supplier. It is costly to send a ship to dry-dock. The shipowner wants the ship back in service as fast as possible, and the ability to deliver quickly and efficiently is a key competitive factor. For scrubber manufacturer Langh Tech, it was not least the ability to provide short lead times that led to the selection of Svanehoj Singapore as a pump supplier for scrubber installations on four crude oil tankers.

“Svanehoj Singapore were able to offer a good delivery time that suited our project. That together with the price and their excellent reputation made the decision easy for us.”

Laura Langh-Lagerlöf
Commercial Director at Langh Tech



A trusted marine partner since 1889

Svanehoj Singapore is a market-leading manufacturer of inline pumps for the marine and offshore industries and delivers Engine Room Pumps, Cargo Oil and Ballast Pumping Systems, Fire Water Pump Packages and Scrubber Pumps.

Committed to continuous improvement and solutions that keeps adding value, Svanehoj Singapore are known to develop strong partnerships and innovation that fits customers' competitive needs. To this belongs a firm focus on ways to reduce the environmental impact

of products, services and operations and actively contributing to UN's Global Goals for Sustainable Development. It is the will to do better every day. It comes with our name – and with being trusted by customers since 1889.



Svanehoj Singapore Pte. Ltd.
15 Benoi Crescent
Singapore 629978

svanehoj@svanehoj.com
svanehoj.com

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