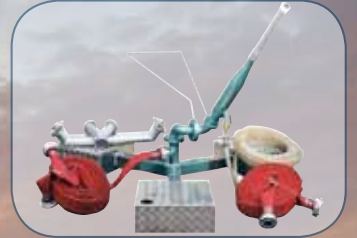


STROMME Marine Products



STROMME
Saves You Time

Marine Equipment

STROMME provides a wide range of quality marine equipment. Our products are engineered for dependability under rough conditions at sea by us and our partners. Years of experience in close cooperation with our customers have shaped the development of our product range.

The equipment complies with top European standards and has been designed for all kinds of ships, exploration rigs, fixed or floating production platforms.

EMS Ship Supply is the exclusive distributor of STROMME products and puts its worldwide extended supply network to satisfy the needs of its customers.

Competitive prices, short supply times and flexible logistics. For more information on our products, please visit our website at www.stromme.com.

Cargo hold cleaning equipment

Fast and efficient cleaning of cargo holds can make a difference in the profitability of the bulk business. STROMME is market leader in complete cleaning solutions, providing the necessary equipment and chemicals.

COMBI-JET

The Combi-Jets are easily rigged and handled; boosted water pressure is achieved thanks to the air/venturi system.

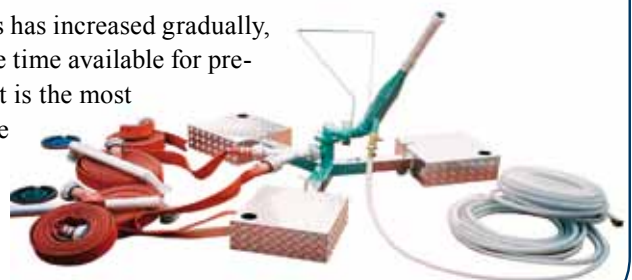
The more recoil, the more cleaning power. Combi-Jet is equipped with a tripod and a platform to deal with the recoil, unlike other nozzles, either small handheld or with tripod only.

After unloading cargoes like coal or iron-ore, cleaning time for main deck areas can also be drastically reduced.



MAXI-JET

In the recent past, the size and height of cargo holds of bulk carriers has increased gradually, which has led to a lack of access to the upper parts. In parallel, the time available for preparing the holds for the next cargo has been reduced. Our Maxi-Jet is the most powerful equipment to clean and maintain cargo holds of any size from tank top level and thereby strongly reducing the time needed for cleaning.



MINI-JET



The Mini-Jet is a small, lightweight labour-saving appliance especially designed for shipboard cleaning and chemical application.

Equipped with the special chemical foam nozzle and connected to our pressure mixing tank or our chemical pump, the Mini-Jet gives you the most effective means available for spraying chemicals and fresh water flushing.



PUMP SPRAY-FOAM

The Stromme Pump Spray Foam equipment is a standard recommendation for bulk-carriers using all kinds of chemicals.

The heart of the system is the Stromme air-driven diaphragm pump with all wetted parts in teflon or 316 stainless steel. It is delivered with two lance kits: the Mini-Jet with nozzles and lance kit in aluminum and a special lance and spraying kit in 316 stainless steel. Our regular foam lance is used for strong alkaline cleaners and the stainless steel lance for applying paint protectors, strong acids, etc.



TANK SPRAY-FOAM

The Stromme Tank Spray Foam Equipment is ideal for bulk carriers not using strong acids.

Suitable for a wide range of operations and all cargoes. It has no moving parts and consists of a mixing tank and a Mini-Jet with an extension only. The chemicals are applied as a white wet foam and it is compatible with various types of cleaning chemicals.

All done rapidly in a most labour and cost-saving way.



HANDY-SPRAY

Our Stromme Handy Spray System is a ready-to-use electric driven chemical sprayer. It is designed to spray chemicals (eg. Stromme Aquaclean HD and Stromme Paint Protector) onboard smaller vessels and offers a maximum spraying height of 12 mtr. The pump kit is delivered with wands in brass and plastic. When fully extended, telescopic lance is 7,3 mtr.



DP50

Air driven pumps 50MB for slop removal. Built for a long life at sea.

Portable and reliable pumps are vital during hold cleaning operations due to Marpol and port control requirements. The old fashioned systems for slop removing no longer keep today's quality standards. These air driven diaphragm pumps are manufactured to the highest quality standards and delivered with the necessary accessories. Strainers on the suction side restrict the size of particles and avoid blockage in the pumps.



SUBPUMP

The Stromme Subpump is manufactured to the highest quality standards and delivered with the necessary accessories as hoses and cables. It is electric driven and very easy to handle for drainage of cargo hold washing waste water and sludge.

Chemicals for Cargo hold cleaning



STROMME chemicals for Cargo Hold Care dissolve stains and remove paint discolouring. Paint protective chemicals reduce the needs for frequent and costly cosmetic repainting.

The chemicals are biological degradable, non flammable and safe to use on most metals and coatings.

AQUACLEAN HD

Aquaclean HD is a concentrated and a heavy-duty alkaline hold cleaning chemical, containing specially selected synthetic detergent.

Applied as wet foam using the Stromme Spray Foam Equipment, it will stick to the bulkheads and have a longer working time before drying. The longer the working time, the better the cleaning effect.



PAINT PROTECTOR

Paint Protective chemicals will help to avoid frequent and costly cosmetic repainting.

The cleaning of cargo holds after discharging "problem" cargoes such as cement, green delayed petcoke, nickel ore, bauxite, sulphur, salt, etc. can be expensive and time-consuming.

Our Paint Protector is supplied in concentrate form (dilution ration will depend on the cargo). Upon application, the surface will have a "milky" appearance. After curing, our Paint Protector is clear, and the bulkheads look like coated with a thin "plastic" film. This can easily be removed by our Aquaclean HD, if needed.

One single chemical protecting the paint against a wide range of cargoes!



High pressure cleaning

The Mari-Clean professional range of multipurpose high pressure cleaners has been welcomed by the marine industry as the most robust, labour saving and cost-effective tool for various cleaning and maintenance tasks on board ships.

We can even adjust to your specific needs, as we have the capacity of tailoring the design and production to the exact requests of our customers.

- Marine and compact design
- Stainless steel covers
- Cold or hot water, portable or stationary
- Range from 200 to 1200 bars
- Large wheels with brake (portable units)
- Plunger pump with ceramic pistons
- Motor 3-phase, Class F, protected by thermal overload switch
- Automatic start and stop function from spray gun
- Tailor made solutions available
- Prefabricated SS pipe system

MARI-CLEAN



A complete solution for various purposes

The Mari-Clean range offers solutions for removal of damaged paint and rust in ballast tanks and cargo holds, removal of rust and cement from hatch coamings and cargo grabs, cleaning of engine rooms, heat exchangers and exhaust boilers.



Type	Working pressure	Water flow	Max inlet water temp.	Portable cold	Stationary cold	Portable Hot	Stationary hot
	(based on 440V/60Hz)					(with diesel boiler)	
	bar	l/min	°C	MC	MS	MH	MHS
160/18	160	18	<60	X	X	X	X
175/21	175	21	<60	X	X		
200/18	200	18	<60	X	X	X	X
200/30 (35)	200	30 (35)	<60	X	X		
300/21	300	21	<60	X	X	X	X
300/30	300	30	<60		X		
350/20	350	20	<60	X			
350/25	350	25	<60	X	X		
500/18	500	18	<60	X			
500/30	500	30	<60	X	X		
750/23	750	23	<60		X		
1000/15	1000	15	<60		X		
1200/12	1200	12	<60		X		

Multipump stations: (stationary only)			
	Bar	l/min	°C
MS 200/60	200	2 x 30	<60
MS 300/42	300	2 x 21	<60
MS 160/43	160	2 x 21,5	<60
MS 160/51	160	3 x 17	<60

Special Hot Water (stationary only)			
	Bar	l/min	°C
MS 160/18H	160	18	< 85°C
MS 200/20H	200	20	< 85°C
MS 200/40H	200	2 x 20	< 85°C

Accessories

STROMME offers a wide range of accessories for various tasks.

- Lances of different lengths and types, single and double.
- Injectors for chemicals/detergents
- Sand injectors for wet sand blasting
- Pipe cleaning nozzles
- Protective equipment (clothing, gloves, goggles, helmets) - all CE approved

Air compressors

STROMME manufactures and supplies marine compressors ranging from 4 to 400 kW. The Mari-Air marine compressors are designed for 50°C ambient temperature. The design is lightweight with large cooling surfaces. The compressors meet all major classification society requirements.

Powerful, compact marine compressors

Available in air-cooled or water-cooled versions. Standard pressures: 8, 10 and 13 bar max. Other capacities and pressure ratings are available on request.

- Capacity: 43 - 4,000 m³/h
- Air, fresh water or sea water cooled
- Full automatic control
- Oversized motors and coolers
- Easy to install and to maintain
- Low lifecycle costs

MARI-AIR



Air dryers and filters

Highly effective, unique in its simplicity and totally reliable, our air dryers provide superb drying performance with their heat exchanger concept.

Refrigeration air dryers

- Multi frequency 50 - 60 Hz
- Ultra low power consumption
- Monoblock system
- Reduced pipe connections
- 5 years warranty on the heat exchanger

Other air treatment products

- Adsorption dryer
- Water separator
- Air filter (dust, oil, bacteria)
- Air receiver
- Pressure reducer



Breathing air compressors

Your economical alternative for breathing air.

- Compact
- Lightweight
- Easy operation
- Easy maintenance
- Capacity from 80 to 420 l/min

Our range of models covers both 200 and 300 bar filling pressure (other pressures on request).



Tank ventilation fans

Portable water and air driven fans for more cost-effective gas freeing operations.

STROMME delivers fans for tank ventilation and general purposes. They are lightweight with high penetration and highly efficient, reducing the time needed for gas-freeing operation.

Lloyd's Register and DNV approved.

Capacity from 4,750 to 28,000 m³/h.



Immersion suits

You never know when are you going to need an immersion suit. So, if the need arises, it is good to now that these products have a 12-year warranty!

We offer three different models of high quality immersions suits for maximum safety and flexibility. The suits are manufactured by Helly Hansen Pro AS according to Marine Equipment Directive 96/98/EC.

Helly Hansen, the most experienced manufacturer of immersion suits, using proven designs and only the best materials, is our first choice. Materials and seams are double-checked during the manufacturing process. This ensures maximum performance:

- Watertight, flame retardant, and high-quality neoprene
- Providing insulation and buoyancy
- Watertight cuffs
- Detachable three fingered gloves
- Attached hood
- Leg straps
- Face seal
- Approved type of reflectors
- DNV approval



Basic Model



Nordic Model



Pneumatic fenders

Protects your ship during ship-to-ship operations or when mooring at quay.

Pneumatic fenders supplied in various standard sizes. Manufactured in accordance with the international standard ISO 17357:2002.

- Sizes from 0.3m diameter x 0.6m length up to 4.5 m diameter x 9 m length
- Supplied as Sling type (body only) or with Chain and Tyre net for protection of the fender body
- Offers high energy absorption with a low reaction force



It's one world and one ship supply company - it's EMS Ship Supply

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