



PRODUCT OVERVIEW

ENGINEERED TOUGH



Designed and developed in Norway.

You get the best technology available,
as standard.

VESTEC AS MARINE COMPRESSORS =  **VMC**

With more than 40 years experience in the business we take it one step further, and we call it VMC. True marine specific compressors. A sustainable shipping industry requires the best technology. The demand for energy efficient solutions is stronger than ever. We say, you get the best technology available, as standard. It is our mission to deliver the best performing compressors. Made specifically for marine applications, harsh conditions and type approved by class societies.



Our main locations

Our vision

We take advantage of the best technology and in house know-how. Develop high performing reliable compressors systems which has a sustainable carbon footprint, low operating costs and service friendly design. MD, Stian Osmundsen



Available 24/7/365

We are here to assist, anywhere and anytime.

When running a VMC compressor you can rely on the quality and reliability of the product. Engineered to handle the most harsh conditions of the sea. With our preventive spare part kits you have all parts when you need them.

Marine



Offshore



Custom



Systems and custom solutions

Our engineers are ready to design solutions for customer specific requirements. If you need something special, all you need to do is challenge us!



Compressors 7 - 55 kW

Our standard range of single stage oil-injected screw compressors.

Our small to mid-sized compressors are designed to take up minimum footprint. They deliver very high performance with inverter drive combined with IE4 permanent magnet motors. All compressors are supervised by intelligent controller and ensures narrow pressureband and minimum wear on components. It is for sure a winner on quality, performance and reliability.

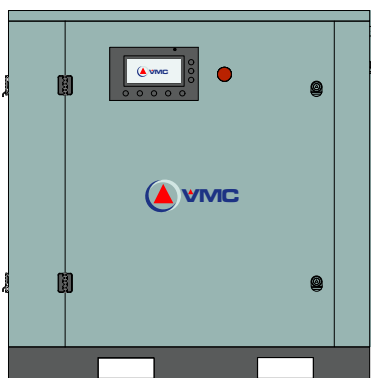
Features

- ▲ Inverter drive
- ▲ High energy efficiency
- ▲ Intelligent control
- ▲ Low noise level
- ▲ Smart integration
- ▲ Small footprint
- ▲ Air cooled or water cooled versions
- ▲ Class society approvals available
- ▲ Easy access for maintenance
- ▲ Modbus communication

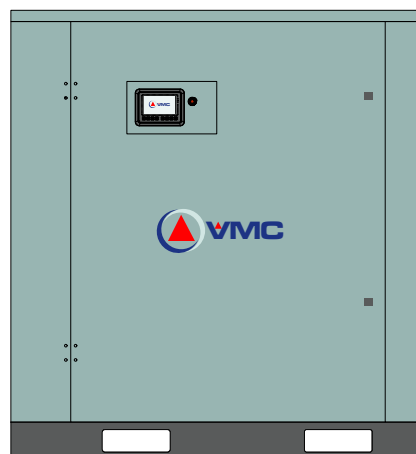
Sustainable technology

VMC uses state of the art technology to ensure reliable compressed air supply, tailored for marine use, in harsh conditions. We bring the best from decades of experience with compressor manufacturing. Due to high efficiency permanent magnet IE 4 motors, controlled by frequency inverters, the compressors deliver top class performance and flexibility with low energy consumption.

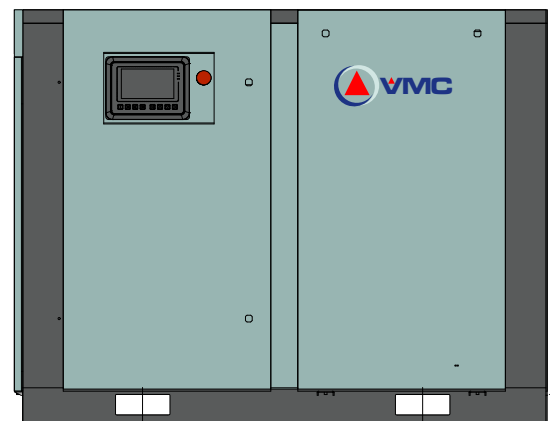
Capacity range 0,71 - 10,31 m³/min | 42,6 - 618,6 m³/h | 25 - 364 CFM |
Pressure range 8 - 13 bar versions



VMC 7-11



VMC 15-22



VMC 18-22
VFD

Genuine spare parts and kits

Quality is in the details, also when it comes to spares. The genuine VMC Marine spare parts ensure safe and reliable operation of your compressor with minimum down time.

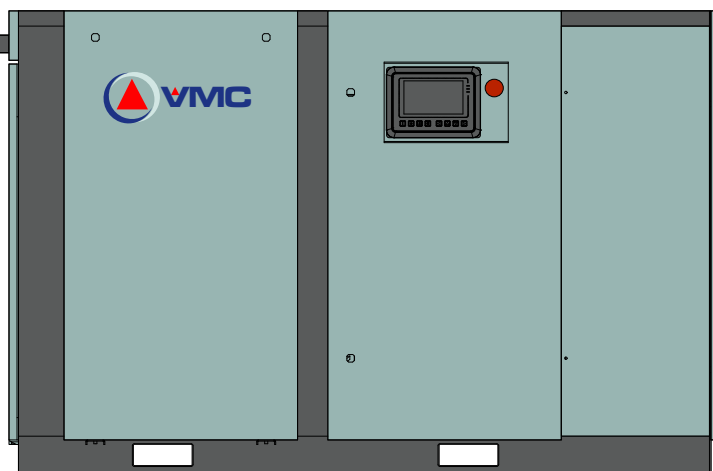
To simplify logistics and ensure that you have the correct parts we have service-kits available. For ordering we just need the serial number of the machine and type of kit.



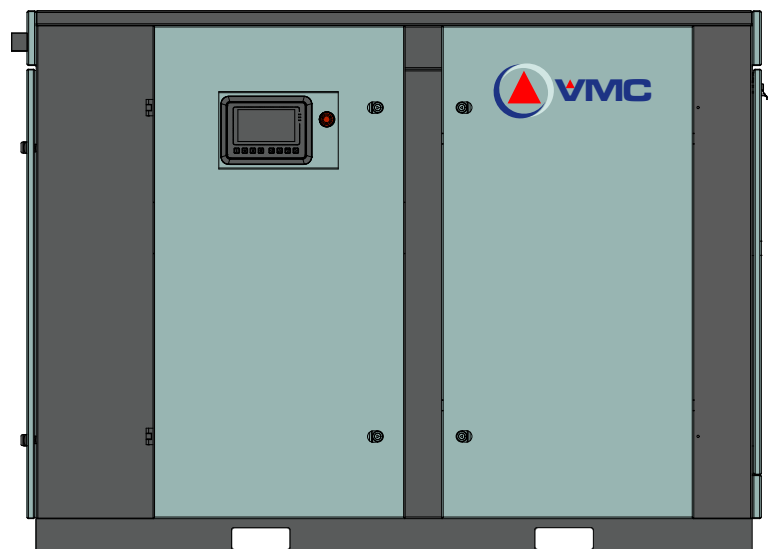
- ▲ Easy planning of maintenance
- ▲ Price advantage
- ▲ Time saved for ordering and stock keeping
- ▲ Avoid down-time due to incorrect parts
- ▲ Genuine VMC Marine - quality assured

Spares - anywhere & anytime

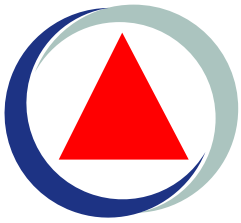
Even though we take pride in delivering reliable machinery, a fault may still occur. We keep all vital spares on stock and can ship your urgent spares very quickly from several locations around the world. Speed and availability, that is VMC.



**VMC 30-37
VFD**



**VMC 55
VFD**



Compressors 75 - 400 kW

Our standard range of single stage oil-injected screw compressors.

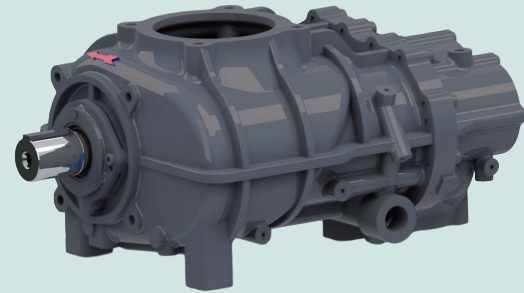
Performance and reliability are key features for our larger compressors. Large compressor stage gives low rotational speeds and ensures long life time of the compressor. Inverter drive with IE4 motors gives superb performance. Combined with clever designs these compressors are easy to place in small spaces.

Features

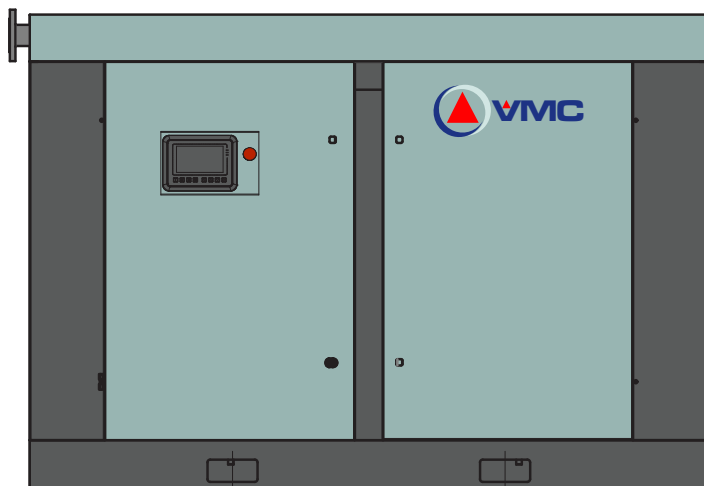
- ▲ Inverter drive
- ▲ High energy efficiency
- ▲ Intelligent control with modbus
- ▲ Low noise level
- ▲ Smart integration
- ▲ Small footprint
- ▲ Air cooled or water cooled
- ▲ Class society approvals available
- ▲ Easy access for maintenance
- ▲ Single stage compressors
- ▲ Large airends with low speed
- ▲ Robust design

Slow rotating airends

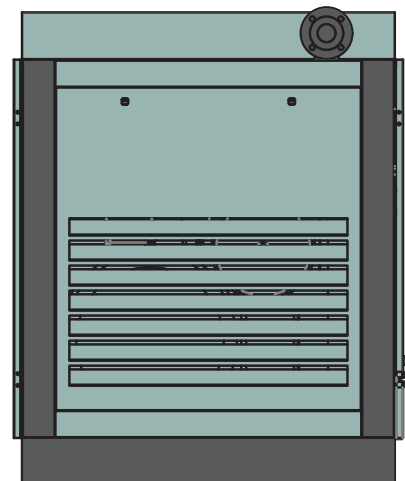
VMC uses large airends with low rotational speed. This means less radial and axial loads on the bearings and prolonged lifetime of the air end. Low speed effects noise level in a positive way. The 5/6 rotor profile is running with SKF duplex bearings on the discharge side. Reduced energy consumption is the overall result.

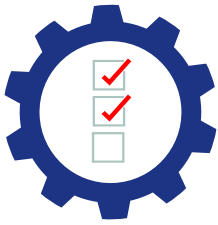


Capacity range 4,2 - 74,31 m³/min | 252 - 4459 m³/h | 148 - 2624 CFM |
Pressure range 8 - 13 bar versions



VMC 110





Assistance and service

Our worldwide network of engineers will help you wherever you are. The service team is made of certified and trained engineers for VMC compressors and accessories. They are equipped with all the knowledge and tools necessary for premium support.

Every VMC compressor has a unique serial number which immediately gives us access to all the crucial information we need to help you. We call it, **quality you can trust**.

In order to reach environmental sustainability, we believe, that the best technology available must be utilized. Our products offer outstanding energy efficiency and reliability. We work to produce compressors with the highest energy performance ratio (specific energy) which will meet both current and future needs and demands. We achieve this by using both single and two-stage technology, both oil-injected and oil-free.

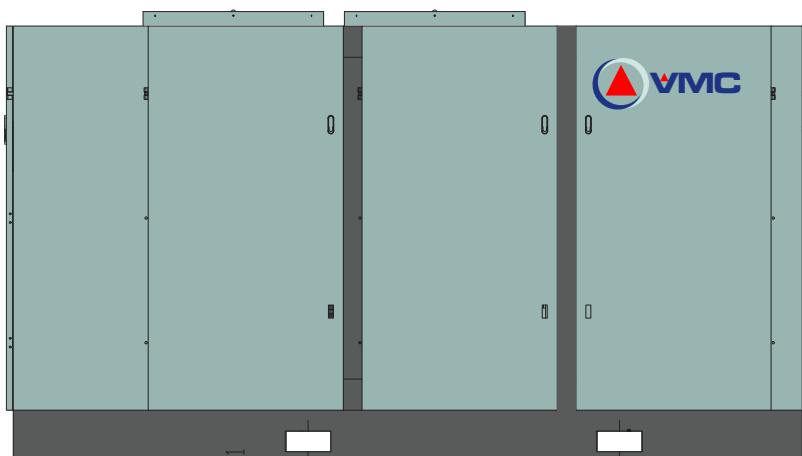


- your marine compressor supplier -

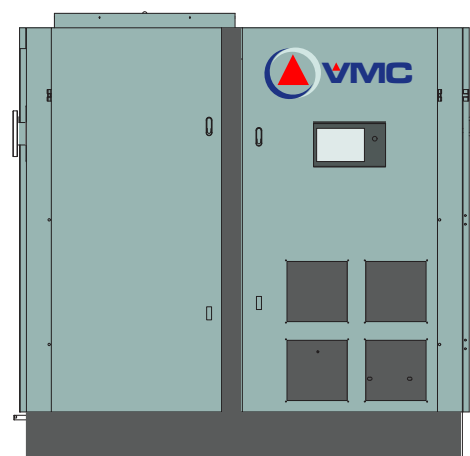
316 Stainless steel piping and tubing

Running machinery in environment with high ambient temperatures and humid conditions is a challenge. We take this seriously and design our compressors accordingly. That is why we use stainless steel tubing. Increased reliability with corrosion free material and threaded connections. Safe and reliable operation.

Our VMC compressors come with DNV type approval.
Other society approvals are available on request.



VMC 250





Hull air lubrication systems

Oil free compressors for fuel saving technology on ships

By reducing friction with micro bubbles below the hull of a ship it can achieve reduction in fuel consumption. Our high performing low-pressure oil free screw compressors deliver peace of mind. No risk for contaminating the sea water, as oil is not a part of the compressor system.

Features

- ▲ Inverter drive
- ▲ High energy efficiency
- ▲ Intelligent control with modbus
- ▲ Low noise level
- ▲ Smart integration
- ▲ Small footprint
- ▲ Class society approvals available
- ▲ Easy access for maintenance
- ▲ Large airends with low speed
- ▲ Robust design
- ▲ Several voltages available
- ▲ Options available

Completely oil free technology

VMC oil free low pressure compressors have no oil inside. This means that the compressor has no risk for discharging oil into the sea. A well tested technology and a perfect match for ALS application. Air quality according to ISO 857-13 Class 0 certified.

Technical data

Power range 55 - 132 kW
Capacity range 21,5 - 57 m³/min | 1290 - 3420 m³/h | 759 - 2013 CFM |
Pressure range 1,5 - 3,0 bar versions

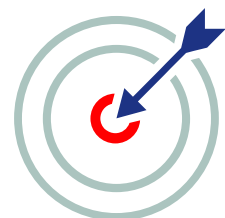
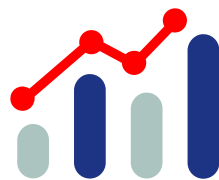
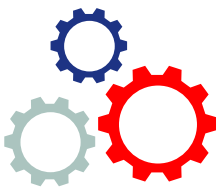
**VMC supports sustainable shipping
with technology and know-how.**





Rigorous testing

All compressors are tested in our production facility according to high standards. A test certificate is issued after successful test and is delivered with the compressor. 3rd party inspection can be performed on request. We also offer customized testing for customer specific demands.



Our low-pressure compressors are, as our standard air compressors, based on some common design basics. All products have **reliable** design to handle the environment on a ship. The **performance** is top class as a result of using the best technology available. The combination of a well designed product which performs and is durable, keeps our customers **on target**.

www.vestec-marine.com



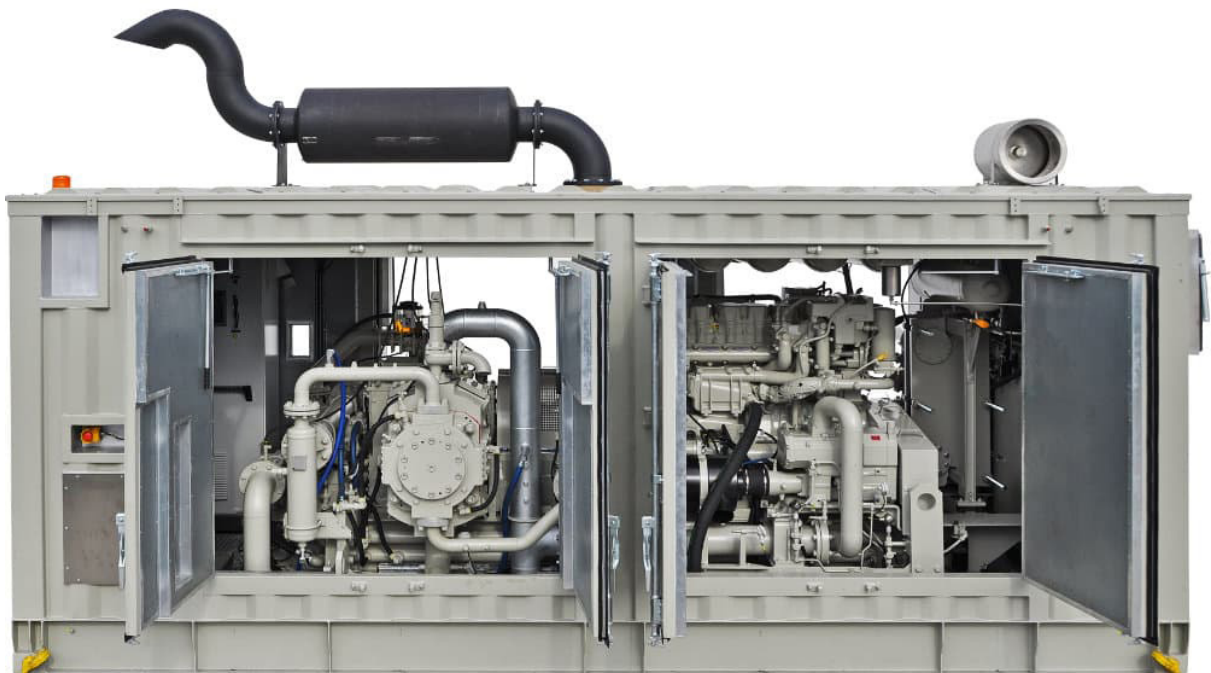
Seismic research

Customised products for seismic research

These DNV-certified systems are developed and built to withstand the rough conditions at sea and are used as an energy source for air gun systems. Our continuity and the experience of more than 700 installations on seismic research vessels worldwide.

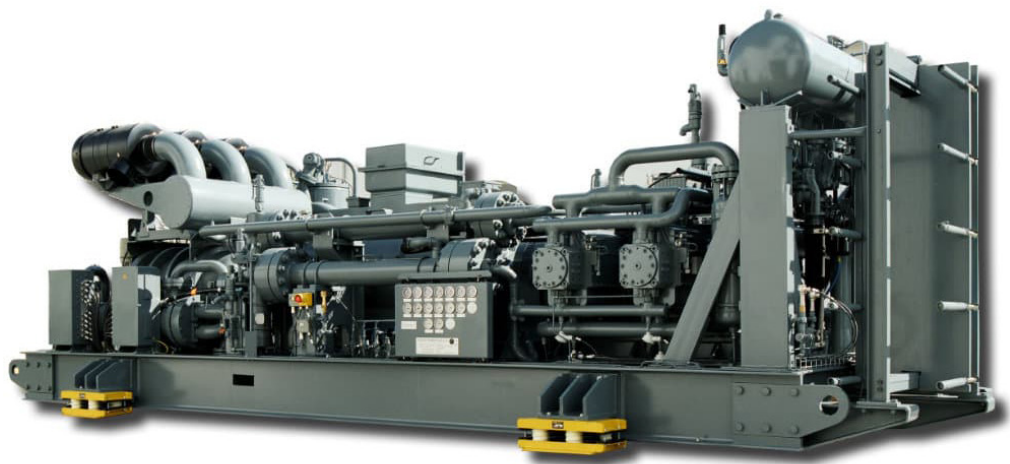
Charateristics

- ▲ Discharge pressures up to 207 bar (3000 PSI)
- ▲ Capacity range from 8 - 78 m³/min (280-2755 cfm)
- ▲ Horizontal balanced-opposed compressor based on ISO 13631
- ▲ Lubricated or oil-free versions
- ▲ Energy saving by capacity control
- ▲ Turnkey container solutions available of on-deck applications



Ranges

- ▲ **Compact**
from 8 - 25 m³/min
(280-880 cfm)
- ▲ **Medium**
from 31 - 36 m³/min
(1085-1270 cfm)
- ▲ **Large**
from 51-78 m³/min
(1880-2755 cfm)



Quality air treatment

VMC offers complete compressor systems. Our product range offers a wide range of treatment and quality air products, receivers and condensate management. We design and engineer systems to suit required demands, quality standards and approvals.

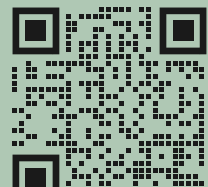




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