

**For low speed cruising and
semi-displacement yachts up to 30 metres**



Advantages:

- + Comfort
- + Improved roll damping
- + Minimal risk of breakdown
- + Very compact and retractable
- + Safe and considered

DMS MagnusMaster®

You cannot compare the **MagnusMaster** with other conventional stabilisation systems due to its technical innovation and better results.

This latest generation of rotor stabilisers provides roll damping at low speeds of 3 to 12 knots on yachts up to 30 metres. At speeds above 12 knots, the Magnus effect no longer increases and therefore the DMS MagnusMaster automatically retracts.

When retracted, the rotors remain largely within the turbulent boundary layer of the vessel, meaning resistance is negligible

MagnusMaster is high quality technology with its operation based on a universally acknowledged law of nature, **the Magnus Effect**, which was first discovered and documented by Heinrich Magnus.

DMS Holland has been able to optimise this effect by developing and applying advanced new techniques. To guarantee durability and continuity, the system uses

electronic components from the well-known German brand Lenze, including electric motors, displays, drives and servo motors.

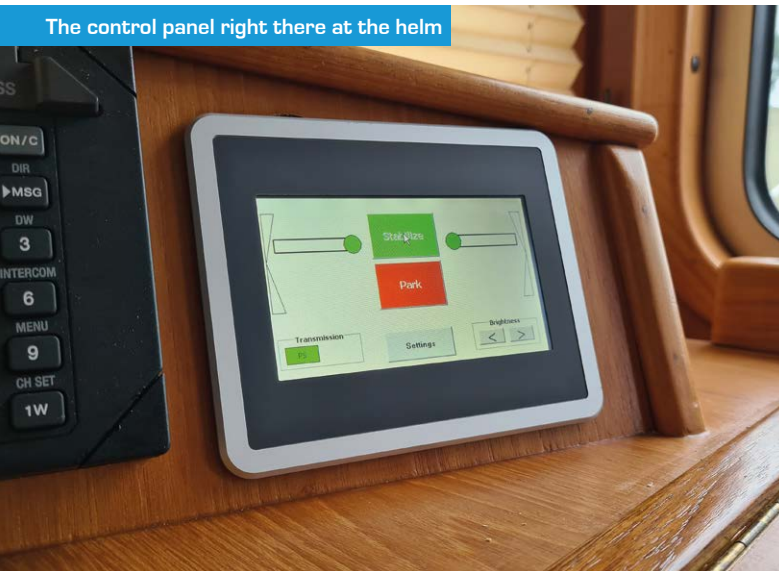
Would you like to know more about the Magnus effect? Check dmsholland.com for further information.



MagnusMaster takes up little space



The control panel right there at the helm



Comfort

As the effectiveness of the rotors is already very noticeable at low speeds, the **risk of seasickness is minimal**.

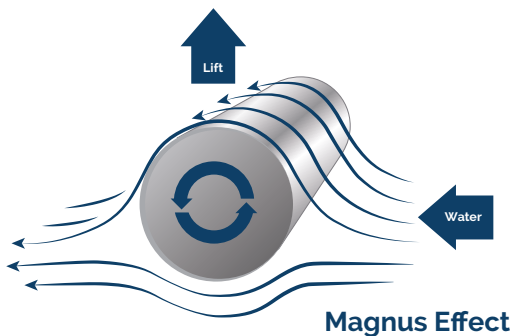
The innovative system drive ensures far fewer moving parts, resulting in reduced noise level. The MagnusMaster is simply **very quiet**.

The control of the system is **user-friendly** and can be integrated into the onboard system. Operation is simple via an easy-to-read full-colour touch screen.

The MagnusMaster has been developed for your convenience.

Improved roll damping

Roll damping with the MagnusMaster is much more effective when the yacht is at speeds of 3 to 12 knots. The MagnusMaster is suitable for yachts up to 30 metres.



Specifications:

- + **Maximum power:** 1500W per rotor
- + **Average consumption:** 1000W per rotor
- + **Voltage:** 230V single phase AC + 24V DC
- + **Rotor material:** carbon
- + **Elbow material:** steel with special coating
- + **Axle material:** stainless steel
- + **Emergency operation** via wrench and socket

Minimal risk of breakdown

The MagnusMaster is **fully electric and directly driven**, eliminating the need for a drive belt.

Maintenance-free bearings are used around the shafts. DMS has kept the technology as simple as possible so that hydraulics, pumps, cylinders and pressure pipes are not necessary. This makes leaks and other hydraulic-related malfunctions, as well as unpleasant noise, a thing of the past.

Your MagnusMaster stabilisers do their job worry-free, safely, quietly and very effectively.

Very compact and retractable

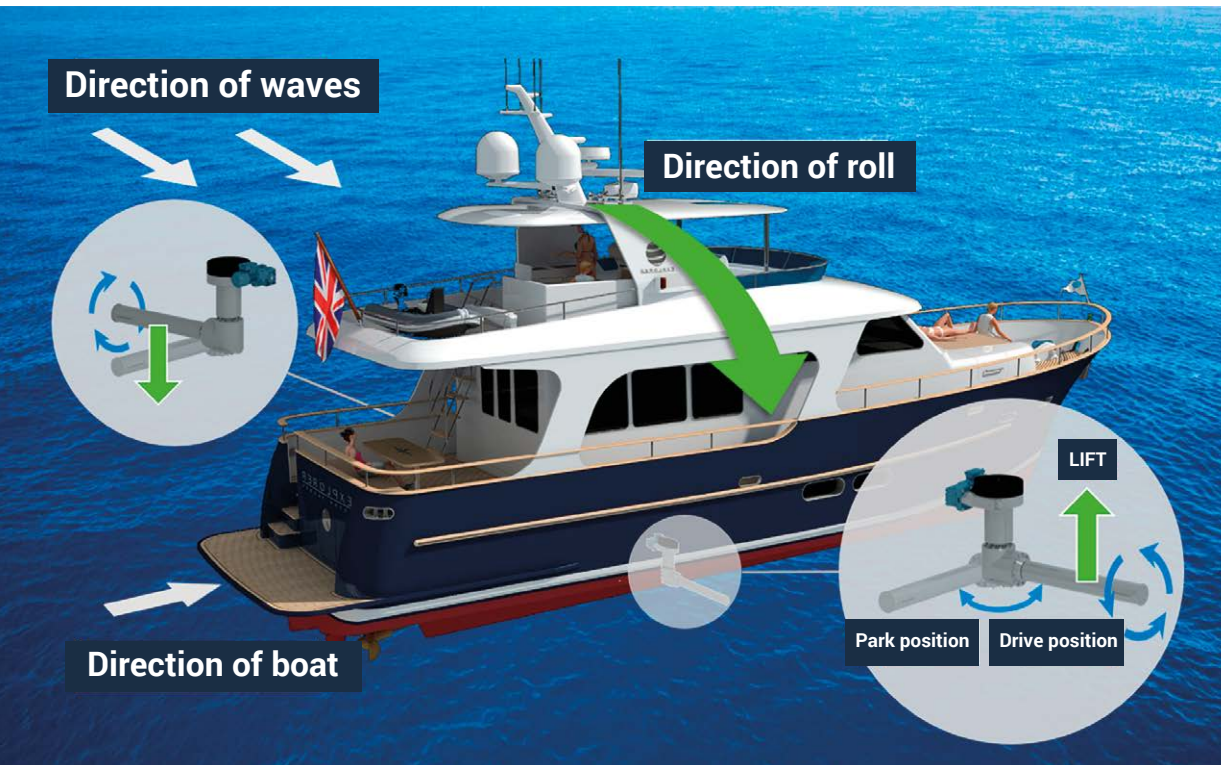
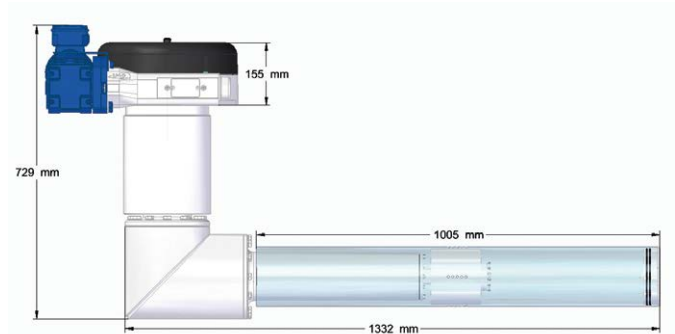
The entire system is electrically retractable, preventing damage in shallow water. When retracted, the rotors remain within the turbulent boundary layer of the hull and resistance is therefore negligible, producing a **favourable effect on fuel consumption**. When retracted, they are almost impossible to damage during transport.

Because the rotors do not have any steering effect, their positioning can be freely determined (unlike with traditional fins) and space can always be found to install the exceptionally compact electric motor/drive unit. Loss of space is therefore kept to a minimum and **major alterations to the interior or engine room are not necessary.**

Safe and considered

At DMS, the safety of people on board is key. That is why the rotors are automatically retracted when the vessel's engine is put into neutral or the drive drops out. This prevents damage during maneuvering

and mooring at a quay, lock, harbour or around other vessels and **safety is guaranteed.**



Position of MagnusMaster under the boat