

BARKE® Rudder



THE BARKE® RUDDER: A UNIQUE SOLUTION

The key driver behind the **BARKE**® rudder is its innovative and sophisticated flap-type design, offering both an unsurpassed manoeuvring and course keeping performance as well as smooth operation and comfort.

The flap linkage of the **BARKE**® rudder is contained in a fully enclosed, grease-lubricated housing. This results in minimum wear on the linkage.

The rudder stock is fully enclosed in a trunk and linkage housing. It is radially sealed to prevent seawater contact with the rudder stock, thus protecting it from corrosion and bearing damage. The progressive flap motion ensures minimal drag at course keeping and high maximum lift, thus superior manoeuvring performance. Optimal propulsion efficiency is achieved by a slim profile design and the best lift-drag ratio.

Minimal clearance within the flap mechanism and flap bearings results in a noise and vibration free operation. In addition, all protruding parts are omitted so as to avoid turbulence and cavitation.

CHOOSE TO INTEGRATE

Van der Velden Marine Systems is a single source supplier and can deliver complete manoeuvring packages including rudders, rudder trunks, streamline bodies, EPS™ thrusters, steering gear and steering gear foundations.

Customers and yards alike benefit from an easy to install and integrated solution, a unified overall design and one project coordinator for the manoeuvring system.

SMART MARITIME SOLUTIONS

INSTALL A BARKE® RUDDER AND BENEFIT FROM ►

- Superior manoeuvring performance
- Excellent course keeping
- Minimum blade resistance, reducing main engine power consumption or higher speeds
- Long life-span
- Minimum wear on the linkage
- Fail-safe property due to overload protection of flap mechanism
- No corrosion and bearing damage
- Cavitation reduced to an absolute minimum
- Noise and vibration free operation
- Smooth operation

VAN DER VELDEN® MARINE SYSTEMS
www.vandervelden-marinesystems.com

Oceangoing vessels

Van der Velden Barkemeyer GmbH • Wilhelm-Bergner-Straße 15 • D-21509 Glinde (nearby Hamburg) • Germany
T +49 (0)40 711 80 20 • F +49 (0)40 711 00 86 • oceangoing@vdvelden.com • www.vdvelden.com

Inland shipping

A. van der Velden B.V. • Dorpsstraat 67a • P.O. Box 2061 • 2930 AB Krimpen aan de Lek (nearby Rotterdam) • The Netherlands
T +31 (0)180 51 15 77 • F +31 (0)180 51 15 78 • inlandshipping@vdvelden.nl • www.vdvelden.nl

Yachting

Van der Velden Systeemtechniek B.V. • De Gaffel 14 • P.O. Box 513 • 9200 AM Drachten • The Netherlands
T +31 (0)512 58 20 20 • F +31 (0)512 54 46 03 • yachting@vdvelden.nl • www.vdvyachting.nl