

**ALPHATRON**  
Alphatron Marine

**The human touch in technology**

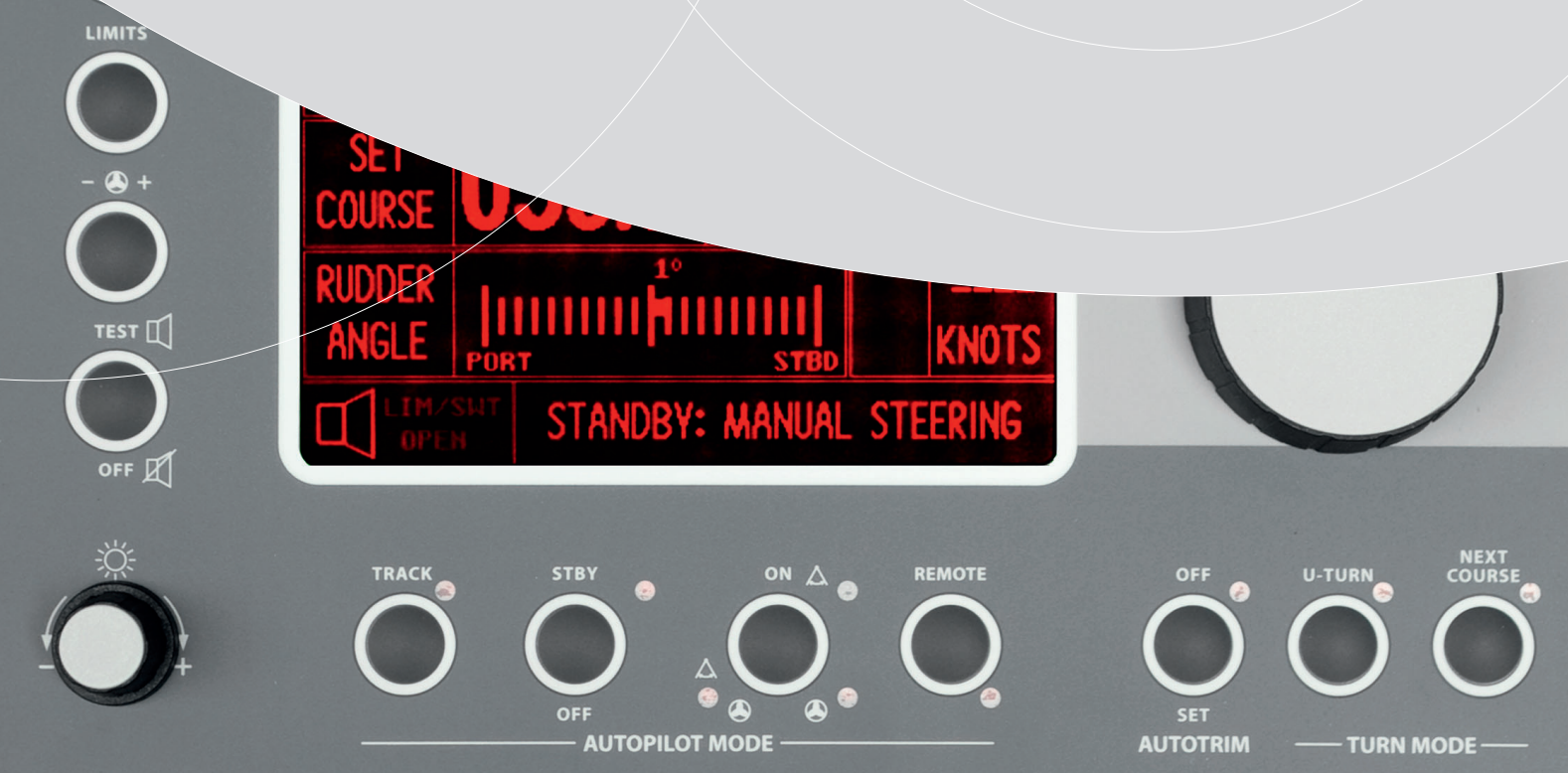
Adaptive ALPHASEAPILOT MFA

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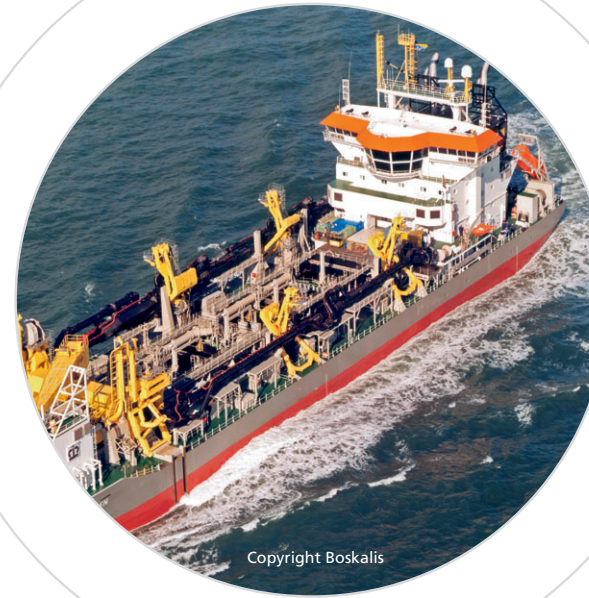
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# Alphatron Marine

## Alphaseapilot MFA

Versatile compact MED approved speed adaptive autopilot for all class of vessels up to unlimited size



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MFA CONTROL UNIT

### Features

- Suitable for single and independent ruddersystems
- Magnetic Sensor Coil Heading Input
- Multi Waypoint Track pilot in combination with ALPHACHART T
- Adaptive / PID steering
- Large TFT info screen
- Integral Off Course Alarm
- Integral Watch Alarm
- Bow thruster and rudder control
- Custom U-Turn & Next Course functions
- NMEA & Furuno Heading Outputs
- 11-40 Vdc Power supply
- 11-120 V DC/5A rated solid state switch
- Outputs to Solenoids
- +/- 10 volt output isolated
- Connectable to rudder propellers or water jets
- Also available in black color

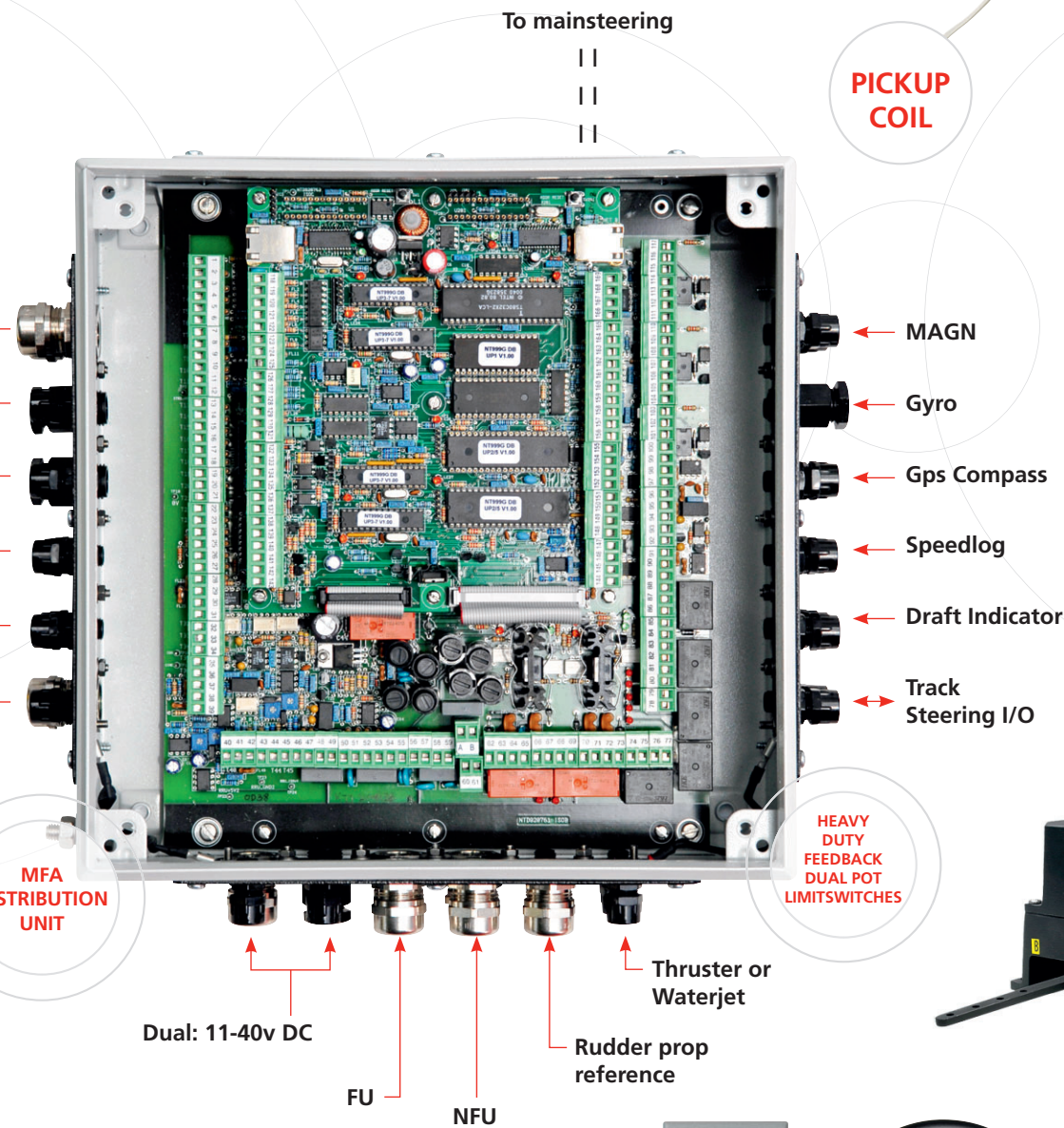
Including high speed version HSC MED wheelmark approval

### Accessories

- Full Main Steering Alphasteer
- Alarm units
- Alphatron rudder indicator system
- Tiller Follow up & Non follow up with take over function
- Follow up wheel unit
- Relay box for high volt solenoids
- AC power supply



The colours and pictures in this brochure can deviate from reality.



MFA DISTRIBUTION UNIT

PICKUP COIL



### Technical data

Feature	ALPHASEAPILOT MFA
• 11-40 Vdc Primary supply	✓
• 11-40 Vdc Backup supply	✓
• HSC2 compass coil	1
• IEC 61162/1 or 2 heading input	3
• IEC 61162/1 or 2 track input	1
• IEC 61162/1 or 2 speed input	2x NMEA or 1x NMEA, 1x pulse
• Isolated rudder reference input (Single ended or Sin/Cos)	2
• Max. number of control units	3
• Rudder Angle Indicator output	2
• Isolated IEC 61162/1 or /2 output	2
• Furuno AD10 Style heading output	✓
• Solenoid output (11-120Vdc)	2 (independent)
• Volt free switch line standby/engaged	✓
• RSC input	2
• Volt free alarm contacts	3
• Remote standby input	✓
• Power monitor changeover contact	✓
• Spare (status) digital input/output	✓
• +/- 10V isolated analogue o/p	4
• 4-20mA isolated o/p	4
• 5V step output	1
• Step heading i/p (5V DC only)	✓
• Draft indicator input	✓
• 4-20mA Isolated draft I/P	✓
• Opto-isolated remote power up i/p	1
• Opto-isolated remote enable i/p	2
• V isolated I/p (FU /HSC spec use)	1
• '+/- 10V isolated i/p (FU / HSC spec use)	2
• Ethernet	2



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