

THE SENTINEL[®] 830



SURVIVABILITY. SAFETY. PERFORMANCE.

The Sentinel 830 has been designed specifically for defence and security applications.

The combination of the vessel design and world-leading high-density polyethylene (HDPE) material makes it an extremely stable platform. HDPE delivers lowered risk of rollover and capsize, dampens noise, reduces vibration and impact forces to crew, and is easily maintainable, therefore improving vessel operational availability, durability, and reliability.

Design features include:

- Consideration to fast boarding through the bow step
- Allowing safe movement around the console by maximising deck width
- Using a C-collar arrangement with flush-mounted electronics and surveillance equipment to prevent snagging
- Optional handrails and canopy.

THE NEXT GENERATION IN WORLD-LEADING TACTICAL WATERCRAFT.

Proudly designed and made in Australia.



The Sentinel 830

Choice of inflatable or foam-filled C or D-collar arrangement with optional handrails

Nominal fuel capacity of 400L, can be increased up to 700L

Twin 200Hp 4-stroke outboards deliver max. speed of 47 knots. Inboard jet and diesel outboard engines are also available

Defence enhancement options include gun mounts, gun and ammunition lockers, and dive doors. Rescue operation configurable for efficient personnel recovery

Ergonomic console design to support effective operation and situational awareness monitoring

Highly configurable: options include forwarding, centre, side or rear console layouts with or without canopy, or midship or forward cabin. Also configurable as a dive vessel.

Fast boarding through the bow step

Impact-absorbing HDPE hull for operation at peak conditions, keeping personnel mission-ready after long transits

Shock-absorbing seats maximise crew comfort



Model	The Sentinel 830
Class	NSCV 2C, ISO 6185-3, AMSA approved
Passengers	2+ 8 crew
Length (OA)	8.3 m
Beam	2.99 m
Draught	0.55 m
Engine	2 x 200 HP outboards
Fuel	400 L ULP
Speed	40+ knots
Options	Open deck, canopy, console, fwd/aft layouts, gun mounts, gun lockers, bow boarding step.

THE SENTINEL DISCRIMINATORS

Durability & Survivability

The Sentinel vessels are manufactured to ISO, NSCV, or class society standards. Made from high-density polyethylene (HDPE), a material that has industrial strength, has positive buoyancy, and will not corrode, therefore offering superior durability over longer life spans.

Flexibility

Rapidly configurable mission deck designed to meet the capability requirements of a wide range of mission profiles. Layouts include protective cabin options, weapons effectors, ammunition lockers, dive doors, and the ability to integrate optionally manned technology, a variety of payloads, sensors, and deployment, launch, and retrieval options.

Longevity

Lasts more than four times longer than their alloy or composite competitors due to its robust, durable construction, excellent design, and structural integrity afforded by thicker hull plates, and full double continuous welding throughout, all within a comparable gross weight.

Stealth

Are available in a camouflaging colour range suited to each environment, along with design, limited wake, and low radar and magnetic signature attributes.

Duty of care

The combination of design and the HDPE material enhances handling characteristics offering a more stable experience for the crew and passengers. The vessels also provide for reduced levels of personnel fatigue as the HDPE material absorbs vibration, dampening noise.

Maintainability

HDPE doesn't suffer from electrolysis or corrosion, resists fouling, has a 50-year UV protection, and has no preventative maintenance requirements. HDPE hull is impact resistant and capable of hard beaching on rocks offering enhanced mission capability. In-situ repairs with no hot works allow for reliability and availability on long deployments where failure isn't an option.



PFG has incorporated the Vigilant Safety System™ (VSS) as a key component of The Sentinel tactical watercraft.

The VSS incorporates critical design and operational components that set the benchmark in safety and performance.

Factors incorporated into the VSS include:

- Design - systemic design delivers exceptional stability and seakeeping capability
- Material excellence incorporating next generation HDPE
- Construction - PFG's quality assured craftsmanship, refined over 25 years of continuous improvement
- Invigilation - superior monitoring, observation, and cloud based capabilities

The Sentinel delivers an unrivalled level of immediate and long term protection and safety for crew and personnel.

WHY HDPE?

High Density Polyethylene (HDPE) is the next generation boat-building material, with unparalleled safety and durability properties.

HDPE outperforms alternative watercraft alloy or composite materials:

- Personnel safety: superior impact and vibration absorption reducing personnel fatigue
- Incredibly durable and impact-resistant
- Positive buoyancy offering premium stability
- No corrosion, electrolysis, or delamination
- UV stable and fouling resistant
- In-situ repairs with no hot works required
- Lasts up to four times longer than alternative materials with comparable gross weight



Scan the QR code to view
The Sentinel range brochure



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