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STELLA

GENERATION 4 WATERMAKER

MANUAL | 80, 160 or 240 LPH | AC or ENGINE DRIVEN

- Suitable for larger power boats, yachts and catamarans
- Easy installation
- Modular components designed to fit tight spaces
- 80 - 240 litres of water per hour
- Simple, manual operation with no electronics
- Super performance and reliability
- Quality 316 stainless steel components
- Australian engineered & manufactured

ENQUIRE NOW

Make your own fresh water wherever you drop anchor.

Built for boat owners who prefer a straightforward, hands-on system, the Stella Gen 4 focuses on robust mechanical controls. It's an easy-to-use, space-saving solution that delivers high-output desalination stripped back to the essentials.

We operate on a personal, technical advice basis, as every vessel configuration is unique. Contact our Gold Coast engineering team directly on (07) 5665 8071 or click 'Enquire Now' to request a tailored quote.



BACKED BY 2 YEAR AUSTRALIAN WARRANTY



GOLD COAST MANUFACTURED



GLOBAL SERVICE AND SUPPORT



20+ YEARS OF MARINE ENGINEERING EXPERTISE

THE STELLA ADVANTAGE

Designed for performance and reliability, our systems are built using premium, non-proprietary components that you can easily source worldwide.

Quality 316 Stainless Steel

From our high-pressure pumps to our fittings, all metal components are marine-grade 316 stainless steel or Duplex alloy. This robust, simple design completely eliminates weak points, creating an incredibly reliable system built for harsh saltwater environments.

Duplex 2205 End Caps

We completely eliminate plastic membrane housing end caps, which are notorious for cracking and causing dangerous, high-pressure leaks. Instead, we use precision-machined Duplex 2205 stainless steel for ultimate structural strength and corrosion resistance.

Triplex High-Pressure Pumps

We don't use complicated energy recovery pumps that rely on failure prone o-rings and poppet valves. We use industry-standard 316SS triplex pumps with solid ceramic plungers. They require less maintenance, and parts are readily available worldwide.

Heavy Duty High-Pressure Hoses

To prevent the splitting and bursting caused by engine vibration, we use premium high-pressure hoses with 316SS fittings. Each hose is shielded with an anti-wear protective wrap to prevent chafing and extend its operational lifespan.

PROUDLY DESIGNED AND MANUFACTURED IN AUSTRALIA



Standard Watermaker Inclusions:

- 1 x Control Panel,
- 1 x GP motor and high-pressure pump (unless engine driven, see below),
- 1 x Davey Low-Pressure Pump, Filmtec membranes (1, 2 or 3) and housings,
- 1 x 20 micron and 5-micron pleated filters,
- 2 x seawater filter housings,
- 1 x carbon filter, and housing, standard high-pressure hoses and a TDS reader.
- * Auto-flush is an optional extra, and is the only piece of automation we recommend for this watermaker.



80 – 240 LPH



MODULAR FOR EASY INSTALLATION



SIMPLE, MANUAL CONTROLS



OPTIONAL INTEGRATED AUTOFLUSH

STELLA OPTIONS

Integrated Autoflush

All watermaker membranes require a freshwater flush after every use, followed by a routine flush every 7 days if the system is not pickled for long-term storage. Neglecting this maintenance cycle can lead to irreversible membrane damage.

Our optional Autoflush system simplifies this process, making it significantly easier to maintain your watermaker when you are away from the vessel or not producing water on a weekly basis.

- **How it Works:** The system features a dedicated control box equipped with a dual timer and a solenoid valve.
- **Operation:** It automatically flushes the watermaker utilizing fresh water drawn from your boat's onboard storage tank for a few minutes every 7 days.

Spares Kit

All the consumables you need for 6-12 months cruising (depending on usage).

Includes:

- 3x 20-micron seawater filters,
- 3x 5-micron seawater filters,
- 1x 5-micron charcoal (carbon) filter,
- 1x 500g pickling solution (for membrane storage),
- 1x 1lt HP pump oil.

STELLA INSTALLATION AND SERVICING

Beyond supplying premium equipment, our marine engineering division provides complete installation, commissioning, and maintenance services if you require it.

COMPREHENSIVE DIY & INSTALLER MANUAL

For DIY boat owners, builders, or contractors, each unit includes a comprehensive 30-page Installation & Operation Manual. This step-by-step guide features clear component diagrams and an easy-to-understand system flow diagram, simplifying the setup process while providing detailed procedures for long-term operation and maintenance.

POWER OPTIONS: AC OR ENGINE DRIVEN

Select the ideal drive system to suit your vessel's existing layout and power configuration.

Electric 240VAC

For larger powerboats, yachts, and catamarans equipped with a suitable AC generator. Our most popular option which is easy to install and delivers rapid, high-volume water production.

- **Power Requirement:** Minimum 3.5kVA (continuously rated) Genset.
- **Current Draw:** Power usage (LP and HP pump) is approx. 12 amps when running (without start-up load).
- **System Output:** 80, 160, or 240 LPH depending on the number of membranes selected (1, 2, or 3).
- **Technical Docs:** Download the 240VAC Manual below.

DOWNLOAD 240 VAC MANUAL

Engine Driven

For all marine vessels without a Genset, but with an inboard engine. This configuration is an efficient and reliable way to make lots of water fast.

- **Power Requirement:** Takes approximately 2HP draw from the main inboard engine.
- **Installation Note:** Requires a suitable engine with space to fit an engine bracket and pulley system. Standard brackets are available for select engines; otherwise, fabrication is required.
- **System Output:** 80, 160, or 240 LPH depending on the number of membranes selected (1, 2, or 3).
- **Technical Docs:** Download the Engine Driven Manual below.

DOWNLOAD ENGINE DRIVE MANUAL

THE STELLA STANDARD

20+ Years of Marine Engineering Expertise

What sets Stella Watermakers apart is the decade of marine engineering experience that predated our very first design concept. Established as a marine engineering company in 2003, the Stella team spent years operating, servicing, selling, and installing every major brand of watermaker. This extensive, hands-on foundation gave us the insights needed to build a superior system - one engineered to require less servicing, remain simple to operate, and work without fail exactly when you need it to.

Since 2011, Stella has been manufacturing the industry's best compact desalination systems for both marine and land applications. By combining mechanical simplicity with premium components, we build reliable systems that deliver genuine value, uncompromised performance, and peace of mind on the water.