TRUDESIGN™

Leaders in marine composite fittings.

Welcome to TruDesign Composite Fittings.

TRUDESIGN™

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Welcome to TruDesign

TruDesign is a New Zealand based company with more than 50 years' experience in designing, tooling and the manufacturing of complex injection moulded composite fittings.

We offer a sophisticated range of marine products designed to last the life of your boat, whilst conforming to ISO9093:2021, IMCI and ABYC H-27 marine standards.

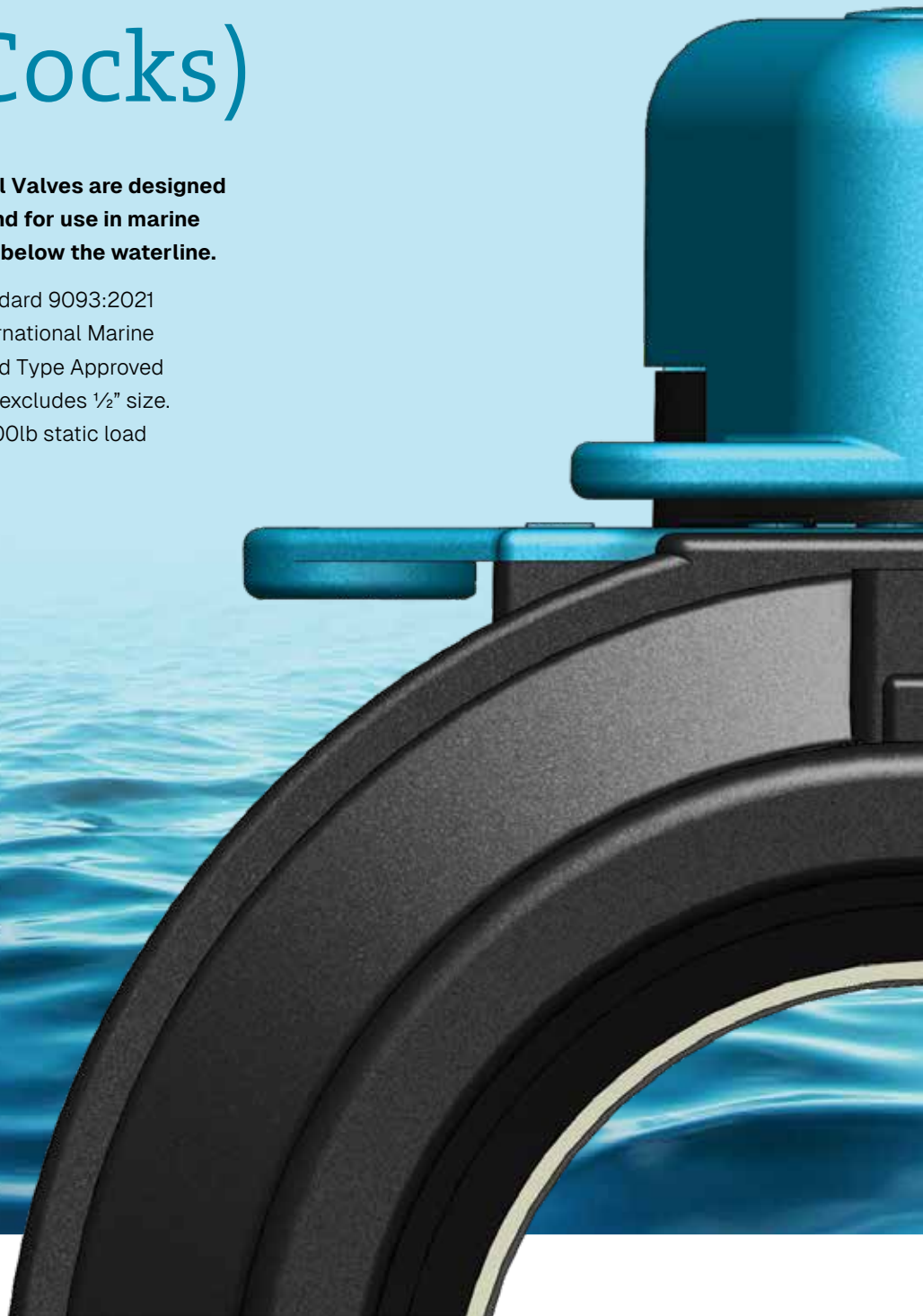
Our team is passionate about delivering high quality innovative products around the globe. This, together with our exceptional technical support to our customers, has enabled us to be a true leader in marine composite fittings.

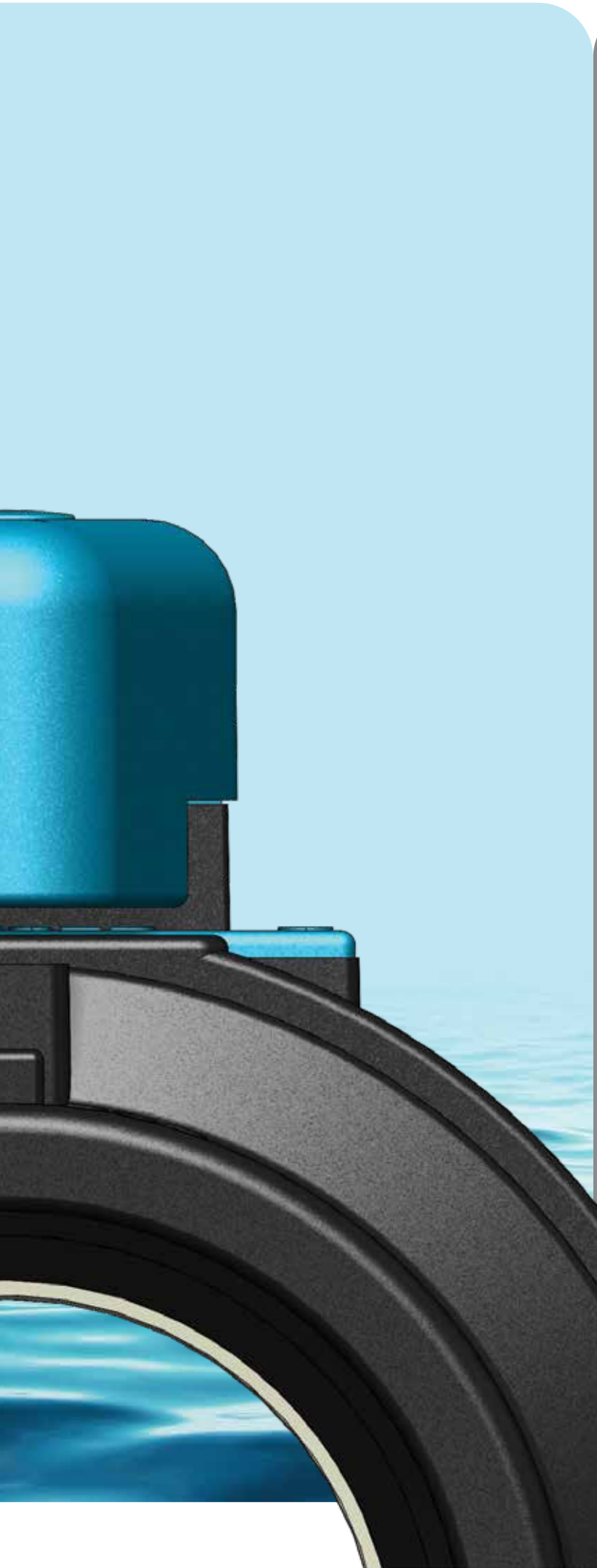
TRUDESIGN™

Ball Valves (Sea Cocks)

TruDesign Certified Ball Valves are designed and made in New Zealand for use in marine applications above and below the waterline.

- They comply to ISO standard 9093:2021 and certified by the International Marine Certification Institute and Type Approved by Bureau VERITAS. NB: excludes ½" size.
- Meets the ABYC H-27 500lb static load test for sizes 1" - 3".





Features:

- Standard Ball Valve Range includes ½", ¾", 1",1¼", 1½", 2" and 3".
- Compact Ball Valve Range ½" and ¾" models.
- 6:1 weight savings over Bronze.
- Manufactured from composite glass-reinforced Nylon – high strength, tough and light weight.
- Immune to corrosion and electrolysis.
- Electrically non-conductive - no electrical bonding.
- Suitable for use on all hull types - aluminium, steel, wood or GRP.
- The ball and sealing rings utilise a PTFE polymer to ensure a smooth action and minimal fouling of the internal ball.
- Locking feature allows the valve to be locked in the closed position to comply with toilet waste outlet regulations.
- Large operating temperature – suitable for all marine conditions from -40°C to +110°C.
- Available in both BSP and NPS thread forms.
- Can be used in Engine Rooms.
- "T" Handle or "Lever" Handle options.
- Handle Identification Tags are available to easily identify Ball Valve function.
- U.V resistant – no degradation from the sun's ultraviolet rays.
- 100% leak tested before leaving the factory.

BSP NPS

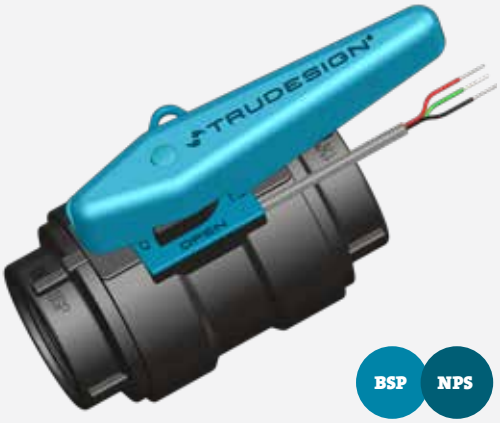
Standard Ball Valve (Sea Cock)

Available Sizes

Thread size	Thread size
½”	1 ½”
¾”	2”
1”	3”
1 ¼”	

Handle Tag

Identify your ball valves easily and quickly.



BSP NPS

Monitored Ball Valve (Sea Cock)

Monitored Ball Valves provide position-monitoring of the seacock so you can easily see which valves are open and which are closed.

They can be wired to disable ignition on an engine switch until water intake ball valve is open.

When used in a holding tank pump-out system, it lets you know when the outlet is open to allow discharge.

Available Sizes

Thread size	Thread size
½”	1 ¼”
¾”	1 ½”
1”	2”

Monitor Panel

10-32VDC Label pack supplied for naming.

Not to scale

BSP NPS

Compact Ball Valve (Sea Cock)

TruDesigns Compact Ball Valves are ideal for use in tight spaces. The Compact Tail 90° also helps to save additional space.

Available sizes

Thread size	Thread size
½"	¾"

Load Bearing Collars

Load bearing collars are designed for use with TruDesign Ball Valves and Skin Fittings. Using the collar enables compliance to ABYC H-27 Standard. NB ½" and ¾" do not comply.

Available in 3 sizes – Refer Website

DAME CATEGORY WINNER

T–Handle

T–Handle options are available for spaces where a lever handle is not an option.

Mounting Bracket

Designed to mount Ball Valves independently and securely to Bulk Heads, Floors or Stringers when not connected to a Skin Fitting (Thru Hull).
Available for 1 ¼" and 1 ½" Ball Valves.

Ball Valve 3” and Fittings

Features:

- Manufactured from composite glass-reinforced Nylon – High strength, tough and light weight – The Ball Valve weighs less than 1.5Kg (7.7 Lbs).
- Immune to corrosion and electrolysis – provides increased safety.
- The Ball Valve can be locked in the closed position.
- Electrically non-conductive. No electrical bonding.
- Suitable for use on all hull types - aluminium, steel, wood, or GRP.
- The ball and sealing rings utilise a PTFE polymer to ensure smooth action and minimal fouling.
- Large operating temperature – suitable for all marine conditions from -40°C to +110°C.
- BSP Thread.
- U.V resistant – no degradation from the sun’s ultraviolet rays.
- 100% leak tested before leaving the factory.

Hi Flow Integrated Intake Strainer 3" BSP

Skin Fitting - Domed (Thru Hull) 3" BSP

Tail 75mm 3" BSP Female 90°

Tail 75mm 3" BSP

Tail 63mm 3" BSP

Connector 3" BSP Female/Male 90°

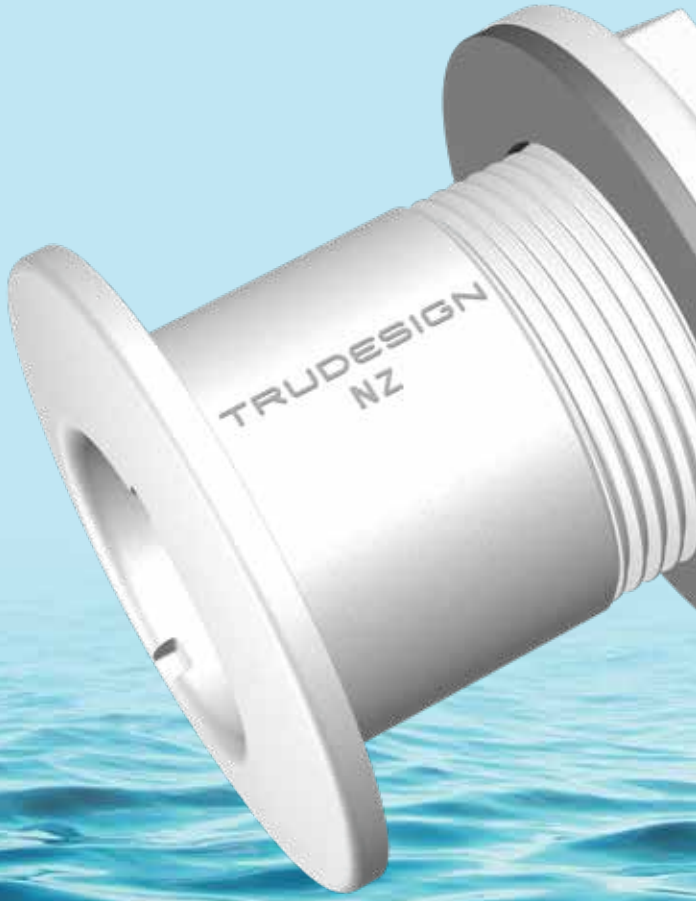
Features:

- The Intake Strainer/Thru Hull has an integrated Hi Flow scoop, designed with flared intake channels to maximise flow efficiency yet prevent large debris entry. Undercuts on the base assist with sealing against the hull surfaces.
- Both the Intake Strainer and Thru Hulls/Skin Fittings are 160mm long (from the underside of head) to cater for larger vessels.
- Two sizes of Tail are available – 75mm (3") Hose Tail or 63mm (2 ½") Hose Tail.

Skin Fittings (Thru Hulls)

Designed and made in New Zealand, TruDesign Skin Fittings (Thru Hulls) are precision moulded from composite glass-reinforced Nylon.

TruDesign Skin Fittings (Thru Hulls) eliminate all corrosion and bonding problems associated with electrolysis giving peace of mind with respect to the safety of your vessel.



Features:

- Compatible with all hull types, aluminium, steel, wood, composite and GRP hulls.
- Chemical resistant – unaffected by diesel, petrol, house-hold chemicals, and antifouling paints.
- U.V resistant – will not degrade or discolour from the sun's ultraviolet rays.
- Paintable – with all types of antifoul including Coppercoat™
- Large operating temperature – suitable for all marine conditions from -40°C to +110°C.

Compliance

TruDesign Skin Fittings and Ball Valves comply with ISO 9093:2021 as certified by the International Marine Certification Institute (IMCI).

For sizes ¾" through to 3". Excludes the ½" size.

American ABYC H-27 – 500Lb static load test

TruDesign Skin Fittings and Ball Valves meet the American ABYC H-27 – 500Lb static load test; Seacocks, Thru-Hull Fittings, and Drain Plugs – independently verified by IMANNA Laboratory Inc.

For sizes 1" - 3" – see website.

BSP NPS

Skin Fittings
(Thru Hulls) - Domed

Available Sizes

Thread size	Inside flange length	Thread size	Inside flange length
½”	66mm	1 ¼”	86mm
¾”	66mm	1 ½”	84mm
1”	66mm	2”	114mm

Available in Black & White

BSP NPS

Skin Fittings
(Thru Hulls) - Recessed

Available Sizes

Thread size	Inside flange length	Thread size	Inside flange length
½”	70mm	1 ¼”	90mm
¾”	70mm	1 ½”	84mm
1”	70mm	2”	114mm

Available in Black & White

DAME CATEGORY WINNER

TruDesign Skin Fitting Installation tool

- Allows for one person installation of skin fittings.

BSP NPS

Skin Fittings
(Thru Hulls) - With Tail

Available Sizes

Thread size	Tail Size	Thread size	Tail Size
½"	13mm	1"	28mm (1 ⅛")
½"	16mm (⅝")	1 ¼"	32mm
¾"	19mm	1 ½"	38mm
1"	25mm	2"	50mm

Available in Black & White

BSP

Skin Fittings Long
(Thru Hulls) - Domed

Available Sizes

Thread size	Inside flange length	Min hull thickness	
¾"	140mm	33mm	
1"	140mm	33mm	NPS
1 ¼"	140mm	33mm	
1 ½"	140mm	33mm	NPS
2"	140mm	33mm	NPS
3"	160mm	33mm	

Available in Black & White

TruDesign thread forms

1. BSP(P) - British Standard Pipe (Parallel) - used widely throughout most parts of the world including Europe, Asia and Australasia. Identified on TruDesign threaded fittings with a 'B'.
2. NPS - National Pipe Straight (American National Pipe) - predominantly used within North America. Identified on TruDesign threaded fittings with an 'N'.

BSP

British Standard Pipe

NPS

National Pipe Straight

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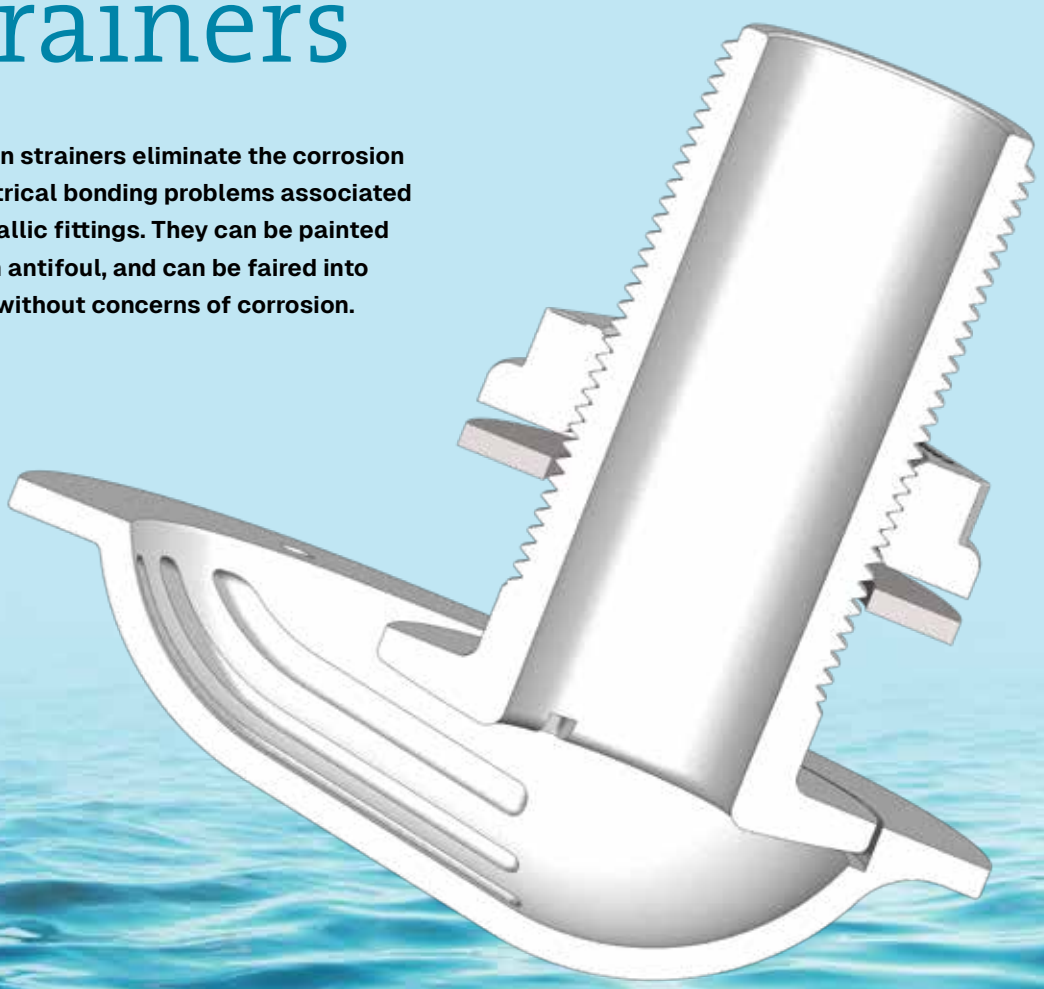
Intake Strainers

TruDesign strainers eliminate the corrosion and electrical bonding problems associated with metallic fittings. They can be painted over with antifoul, and can be faired into the hull without concerns of corrosion.



Intake Strainer -Scoop

Designed to divert large objects away from water intakes while the vessel is moving.

- Helps eliminate problems with seaweed, seagrass, sticks or debris being sucked into engine intakes and blocking or clogging intake filters.
- The strainer acts as a coarse first stage filter that is cleaned by water movement.

Available sizes	Fits Skin Fitting
¾”	½” and ¾”
1 ¼”	1” and 1 ¼”
2”	1 ½” and 2”

Intake Strainer -Round

Designed for water intake applications where there is a risk of sucking in unwanted objects.

Available sizes	Fits Skin Fitting
1 ¼”	1 ¼” or smaller

Threaded Connectors

TruDesign Threaded Connectors are the superior composite connection for connecting threaded fittings. Moulded from a composite glass-reinforced Nylon they are high in strength, light in weight, and won't degrade or discolour over time.

Features:

- Parallel threads for a strong, secure connection, reliable waterproof sealing, and flexibility to be able to orientate fittings to suit end-use operation. Useful when space is restricted.
- TruDesign fittings are chemically resistant, and eliminate corrosion and electrical bonding problems associated with metallic fittings. Tails are designed for twin hose clamps and will not crush.

Nipples (Male)

BSP NPS

Nipples from TruDesign are manufactured from composite glass-reinforced Nylon giving light weight yet strong corrosion free connections for all your marine fittings.

Key Features:

- Available in both BSP and NPS parallel thread forms.
- Universally compatible with TruDesign threaded systems.
- Manufactured from a composite glass-reinforced Nylon – high strength, tough and light weight.
- Immune to corrosion and electrolysis – No breakages, increased safety.
- Large operating temperature – Suitable for all marine conditions from -40°C to +110°C.
- U.V resistant – no degradation from the sun's ultraviolet rays.

Thread Size	Description
3/8"	Nipple 3/8" – 3/8"
1/2"	Nipple 1/2" – 1/2"
3/4"	Nipple 3/4" – 3/4"
1"	Nipple 1" – 1"
1 1/4"	Nipple 1 1/4" – 1 1/4"
1 1/2"	Nipple 1 1/2" – 1 1/2"
2"	Nipple 2" – 2"

Tail Threaded (Male)

Tail Straight

Thread Size	Tail Size
½"	13mm
¾"	19mm
1"	25mm
1 ¼"	32mm
1 ½"	38mm
2"	50mm
3"*	75mm

Unequal

½"	16mm
¾"	22mm
1"	28mm
1 ¼"	38mm
1 ½"	32mm
1 ½"	28mm
3"*	64mm

Tail 90° Bend

Thread Size	Tail Size
½"	13mm
¾"	19mm
1"	25mm
1 ¼"	32mm
1 ½"	38mm
2"	50mm

Unequal

½"	16mm
¾"	22mm
1"	28mm
1 ¼"*	38mm
1 ½"	28mm
2"**	38mm

Tail 120° Bend

Thread Size	Tail Size
¾"	19mm
1"	25mm
1 ¼"	32mm
1 ½"	38mm
2"	50mm

Unequal

1 ¼"	38mm

* BSP Only

** NPS Only

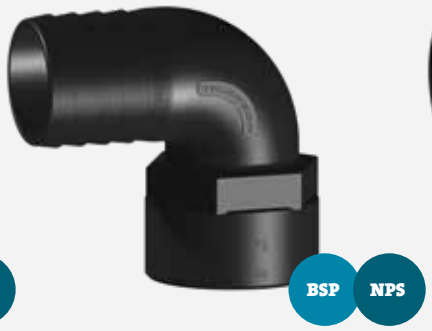
Tail Threaded (Female)

Female-Tail Straight

Thread Size	Tail Size
¾”	19mm
1”	25mm
1 ¼”	32mm
1 ½”	38mm
2”	50mm

Unequal

¾”	22mm (⅞ ”)
1”	28mm (1 ⅛”)
1 ¼”	38mm
1 ½”	32mm
1 ½”	28mm
1 ½”	25mm
1 ¾”*	38mm



Female-Tail 90° Bend

Thread Size	Tail Size
¾”	19mm
1”	25mm
1 ¼”	32mm
1 ½”	38mm
2	50mm
3”*	75mm

Unequal

½”	16mm (⅝”)
1”	28mm (1 ⅛”)
1 ½”	28mm (1 ⅛”)

Female-Male 90° Bend

Thread Size	Tail Size
¾”	19mm
1”	25mm
1 ¼”	32mm
1 ½”	38mm
2”	50mm
3”*	75mm

Threaded Tubes

Designed for the secure routing of plumbing hoses or wiring through bulk heads or internal cabinetry.

Features:

- Available in two thread sizes of diameter – 1" and 1 ½".
- Total length 140mm (5 ½").
- Supplied with two nuts and two backing washers.
- Eliminates chafing of plumbing hoses or wiring when passing through bulk heads.
- Connects with TruDesign Female threaded fittings to allow routing of hoses to fit neatly into place.
- Can be cut to length to suit thickness of bulk head.

T-Piece Connector

A versatile building block, the TruDesign T-Piece Connector functions not only as a T-Piece but also as a manifold.

This allows users to channel multiple drains to one outlet, eliminating the need for additional thru-hull fittings. T-Pieces simply daisy chain together to create a manifold system.
The flexibility of the TruDesign T-Piece Connector allows for the following.

Features:

- Operates as a simple T-Piece.
- Operates as a manifold with an expandable number of inlet ports to meet the individual boat requirements.

Universal Manifold System

Features:

- Simple T-Piece with user selectable hose tails.
- Expandable manifold – facilitates multiple drains to one over board point.
- Multiple inlet/end port hose tail size and direction selection (Straight, 90° & 120°).
- Connects directly to 1 ½" Ball Valve or 1 ½" Skin Fitting (Thru-Hull).
- Can orientate inlet and outlet ports at user selectable angles - facilitates neat hose connections.
- Immune to corrosion and electrolysis. Long life with no decreased performance due to corrosion.
- Chemical resistant – Unaffected by diesel, petrol and house-hold chemicals.
- Large operating temperature – Suitable for all marine conditions from -40°C to +110°C.

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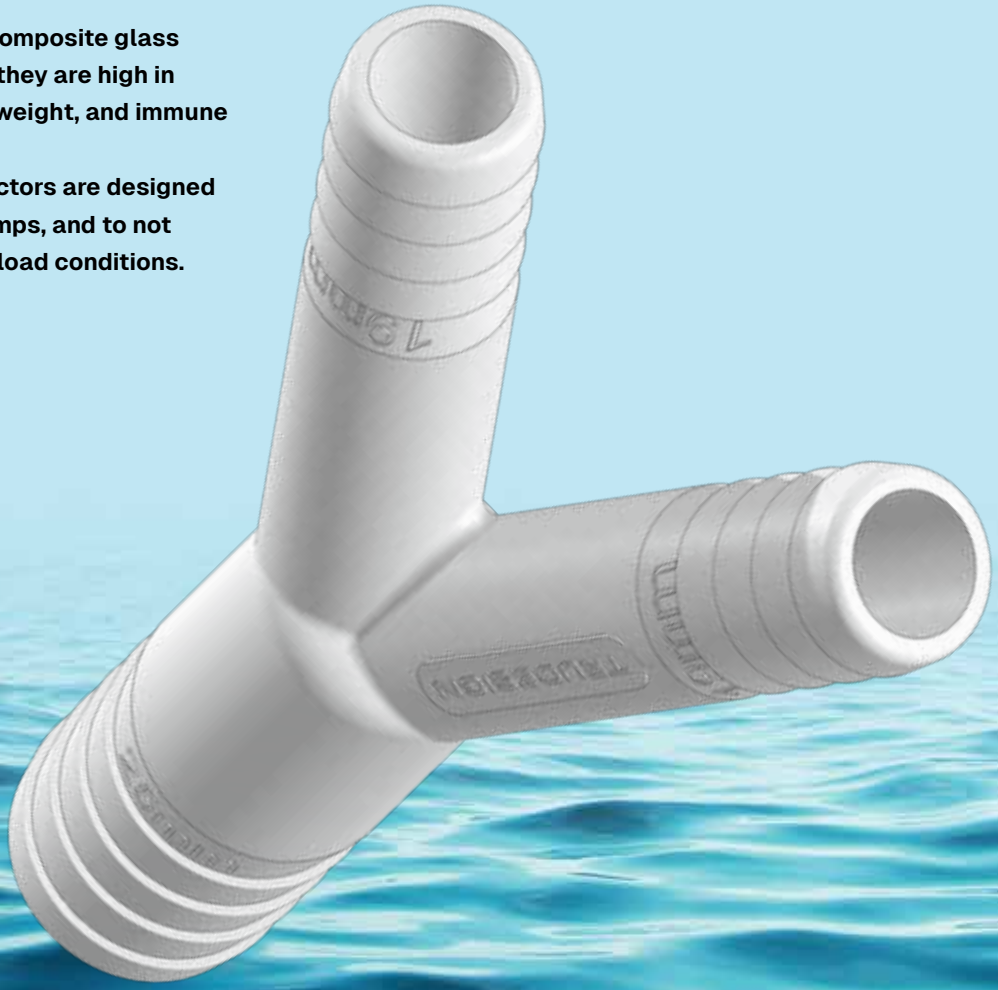
Hose Connectors

Moulded from a composite glass reinforced Nylon they are high in strength, light in weight, and immune to electrolysis.
TruDesign Connectors are designed for twin hose clamps, and to not crush under high load conditions.



Y Pieces

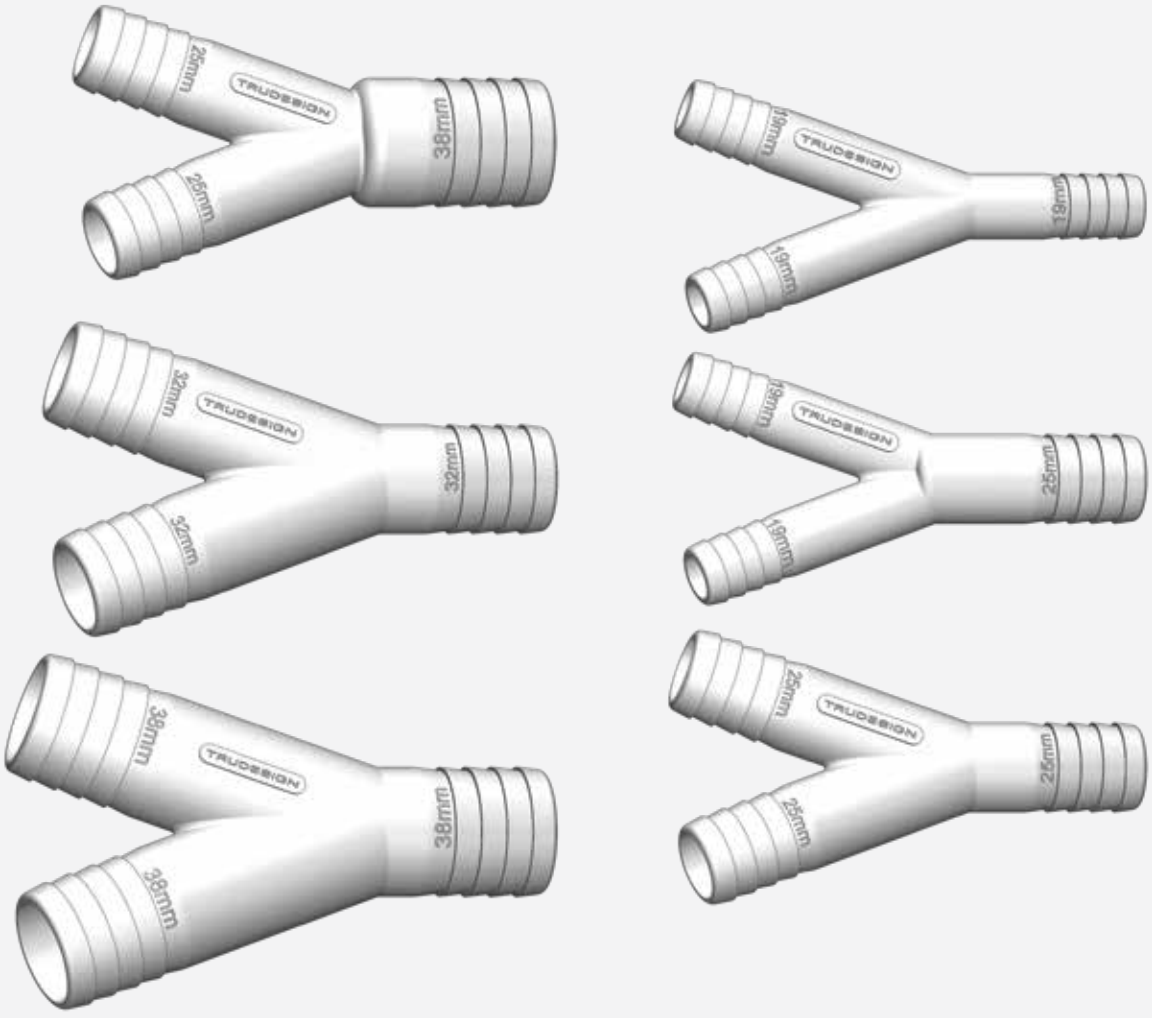
- Available in a variety of sizes to allow two hoses to merge into one line.
- The Y configuration minimizes clogging and facilitates flow.
- Designed for use with twin hose clamps and will not crush.

Available Sizes

¾" – ¾" – ¾"	19mm – 19mm – 19mm
1" – 1" – 1"	25mm – 25mm – 25mm
1 ¼" – 1 ¼" – 1 ¼"	32mm – 32mm – 32mm
1 ½" – 1 ½" – 1 ½"	38mm – 38mm – 38mm

Unequal

¾" – ¾" – 1"	19mm – 19mm – 25mm
1" – 1" – 1 ½"	25mm – 25mm – 38mm



Hose Connectors

Connectors Straight

Simple straight connectors for joining two hoses of the same size.

Available Sizes

½”	13mm
¾”	19mm
1”	25mm
1 ⅛”	28mm
1 ¼”	32mm
1 ½”	38mm
2”	50mm

Available in Black only

Reducers

TruDesign Reducers are the superior composite connection for linking 2 hoses of different sizes.

Available Sizes

¾ “ - ½”	19-13mm
¾” - ⅝”	19-16mm
1” - ½”	25-13mm
1” - ¾”	25-19mm
1 ¼” - 1”	32-25mm
1 ½” - 1”	38-25mm
1 ½” - 1 ¼”	38-32mm

Available in White only

Connectors 90°

Hose connectors to facilitate tidy routing of hoses round 90° corners, reducing crimped & stressed hoses.

Available Sizes

¾”	19mm
1”	25mm
1 ½”	38mm
2”	50mm

Available in Black & White

Non-Return Valves

TruDesign Non-Return Valves are used in-line to prevent water backflow or siphoning. They are full flow with low cracking (opening) pressures.

Features:

- Manufactured from a UV stabilised composite glass-reinforced Nylon. High strength and lightweight. Can be used in direct sunlight.
- High impact and tensile strength - "Water hammer safe" and insensitive to pressure shocks in the pipeline.
- Stainless spring - no corrosion issues or risk of internal valve staying open.
- Low cracking pressure - minimal pressure required to open the valve with minimal restriction on flow-rate.
- In-line fitting - minimal installation room needed and no other fittings required.
- Printed white arrow (opposite logo side) - quick and easy identification of water flow direction.

Available in 6 sizes

Thread Size	Tail Size
¾"	19mm
1"	25mm
1 ⅛"	28mm
1 ¼"	32mm
1 ½"	38mm
2"	50mm

Non-Return Valves Threaded (BSP & NPS)

1"	25mm
1 ½"	38mm

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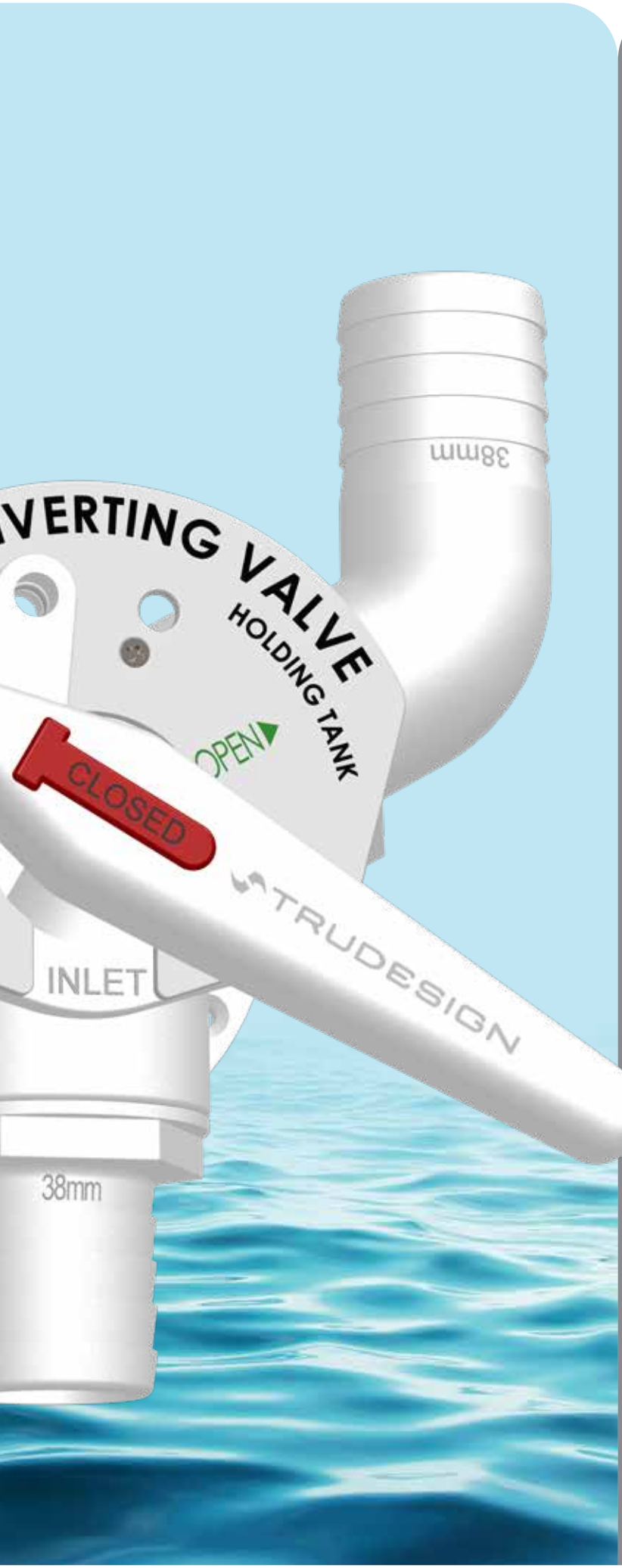
Aquavalves (Y–Valve)

The most versatile Y–Valve on the market. The TruDesign Aquavalve is designed for the diversion of effluent or water.

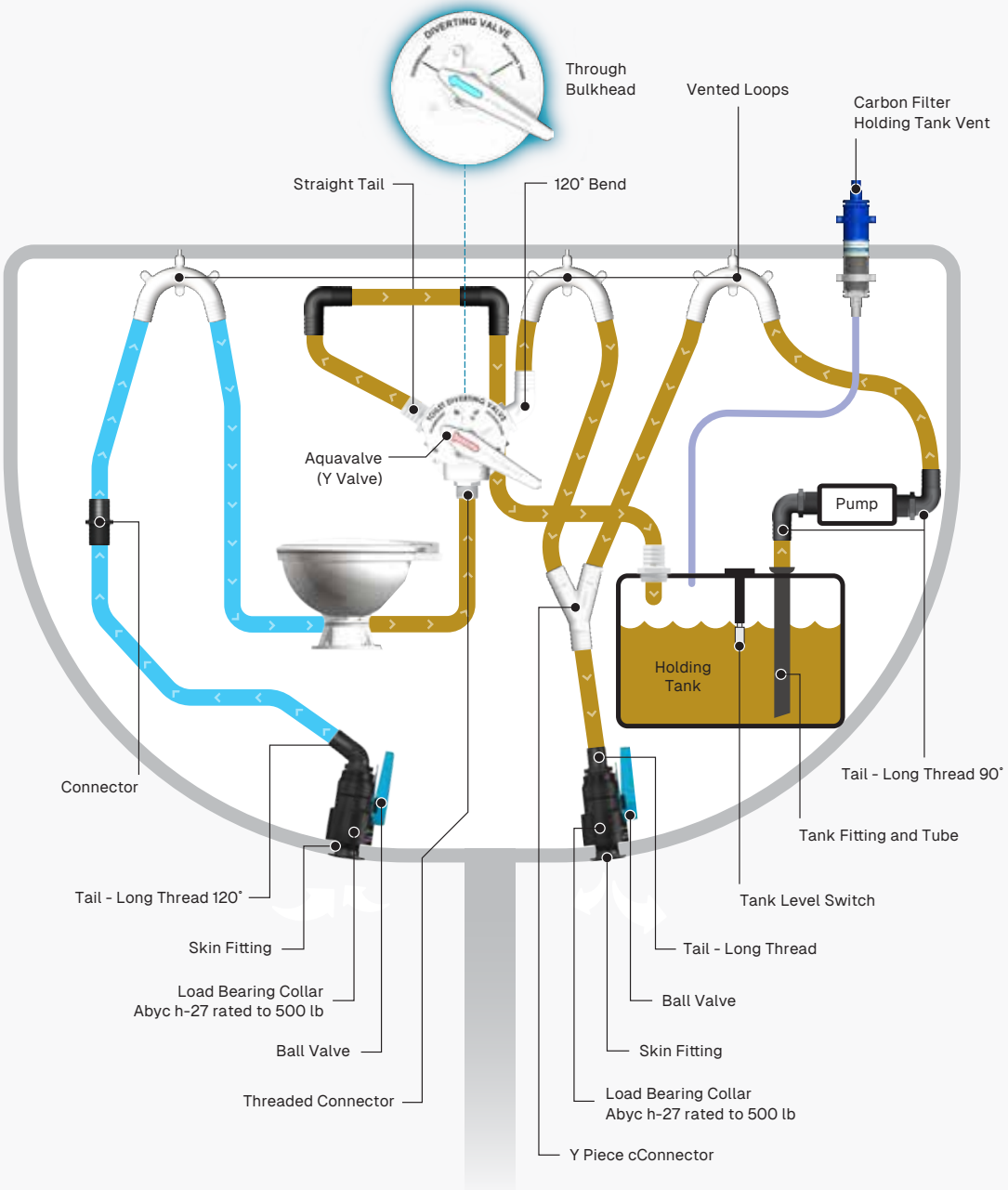


Features:

- Clear indication of which port is in the closed position.
- Versatile - can connect ¾" to 1 ½" hose.
- Easy mounting - screws directly to bulkhead or floor.
- Stainless Steel fastenings.
- 100% leak tested before leaving the factory.
- Design burst pressure rating of 300 PSI (2,070 kPa).
- User serviceable - full service and parts backup.
- Lockable feature - no ability for accidental discharge.
- Each valve supplied with spanner for easy installation of tail fittings.

NB: All three ports female 1 ½" BSP Parallel threads.

Typical Manual Aquavalve Installation
(Y Valve)



Electronic Diverter Valve
(Y-Valve, 12-24 VDC)

The TruDesign Electronic Diverter Valve allows remote "Push Button" diversion of effluent or water.

The Electronic Diverter Valve has been designed to allow the Diverting Valve to be operated from the Control Panel with the push of a button.

LED's on the Control Panel clearly indicate whether the Valve is in the "Holding Tank," or "Overboard" position and whether the lock function has been activated.

The Electronic Diverter Valve is supplied complete with the following:

- Electronic Diverter Valve.
- Control Panel.
- 5 metre cable with push in connector for control panel.
- Maintenance grease.
- Comprehensive Installation and Operator Instructions.
- Manual operation socket.
- Aquavalve Spanner.

Manual Aquavalve
(Y Valve)

The TruDesign Aquavalve is designed for the diversion and control of black water.

Used in marine toilet applications to divert the flow of effluent - in many countries this is governed by law.

The effluent can be held in a holding tank for later discharge overboard or to a shore side facility.

The TruDesign Aquavalve is moulded from a composite glass-reinforced Nylon.

High strength, high-modulus glass fibres impregnated into the nylon provides dramatic strength, stiffness, toughness, and dimensional stability.

Features:

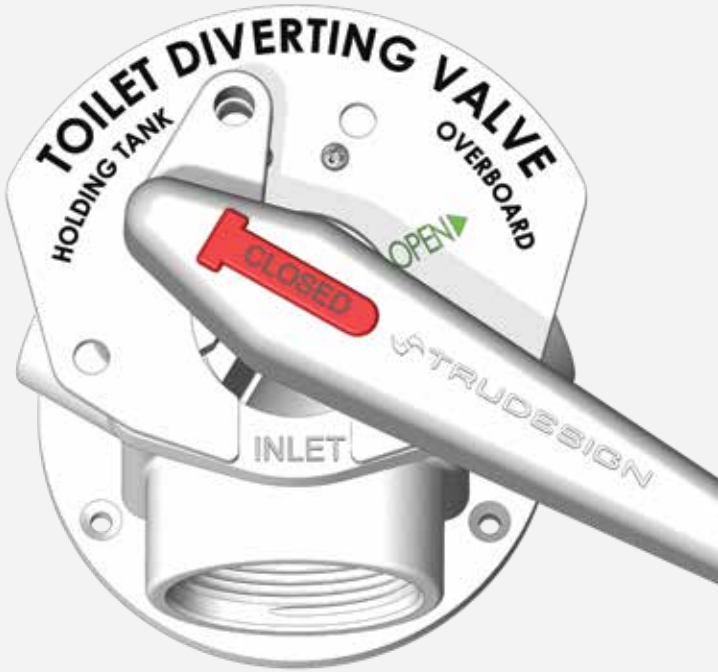
- Clear indication of which port is in the closed position.
- Versatile - can connect ¾" to 1 ½" hose.
- Easy mounting - screws directly to bulkhead or floor.
- 316 Stainless Steel fastenings.

* Each valve is leak pressure tested during manufacture.

* Design burst pressure rating of 300 PSI (2,070 kPa).

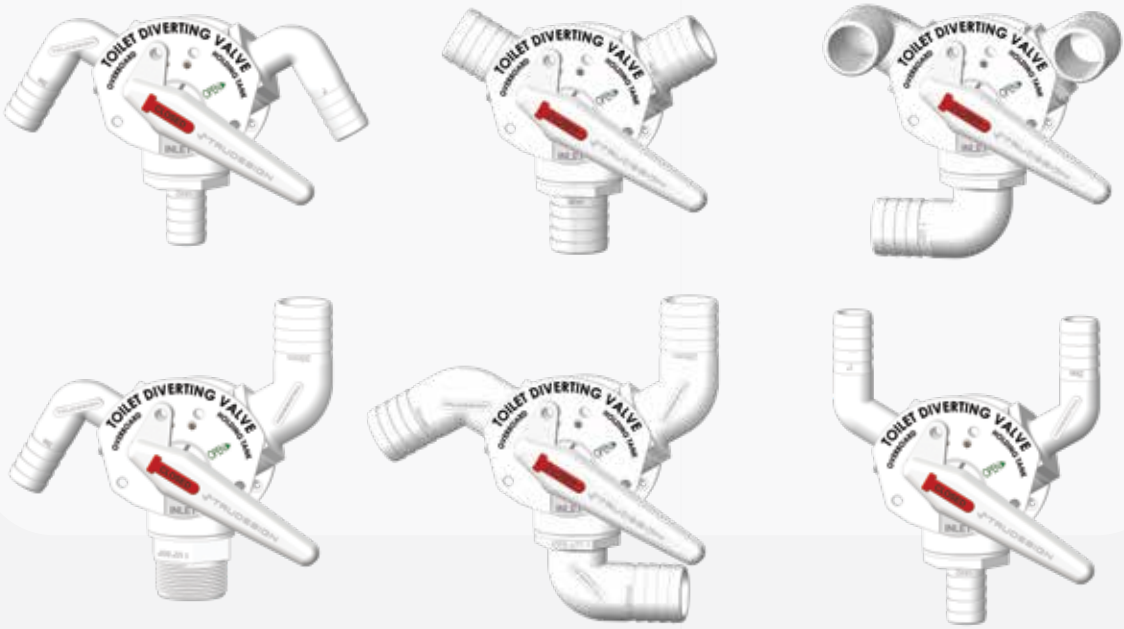
- User serviceable - full service and parts backup.
- Lockable feature - no ability for accidental discharge.
- Each valve supplied with spanner.

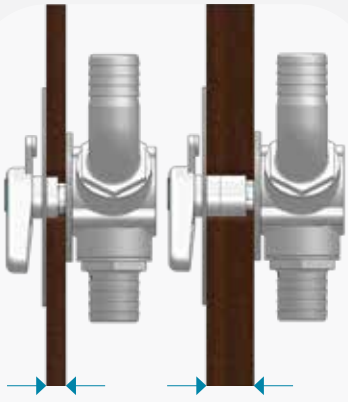
NB: All three ports female 1 ½" BSP Parallel threads.



Aquavalve Versatility

The TruDesign Aquavalve is the most versatile diverting valve available. With the ability to mix and match fittings, adjust the angle of piping and flip the face plate to suit the installation, fitting a diverting valve into the confined spaces of marine plumbing is made easy.





Through Bulkhead Model

The Through Bulkhead version allows the plumbing and valve body to be hidden behind a wall or panel.

Capable of being installed through a panel as thick as 15mm or 37mm when the extension kit is used.

Diverting Valve & Aquavalve Fittings

A full range of tail fittings of different sizes and angles are available.

Featuring male 1 ½" BSP Parallel threads designed for direct installation and sealing on the red seals - included with the Aquavalve.

Tail sizes are available in common hose sizes from 19-38mm. Bends allow tidy routing of hoses and are supplied with a thicker seal option (Blue) which can be used in place of the Aquavalve's red seals to allow fittings to be rotated to a more suitable position if needed.

Aquavalve Tails

Available 4 sizes - Black &White

¾"	19mm
1"	25mm
1 ¼"	32mm
1 ½"	38mm

Threaded Connector

Available in Black & White

Allows direct connection of PVC piping. With 1 ½" BSP threads it can be used with Ball Valves, Aquavalves, and the Threaded T-Piece.

Aquavalve 120° Bend

Available 2 sizes - Black &White

1"	25mm
1 ½"	38mm

Aquavalve 90° Bend

Available 2 sizes - Black &White

1"	25mm
1 ½"	38mm

Plugs

Available in Black &White

1 ½"	BSP

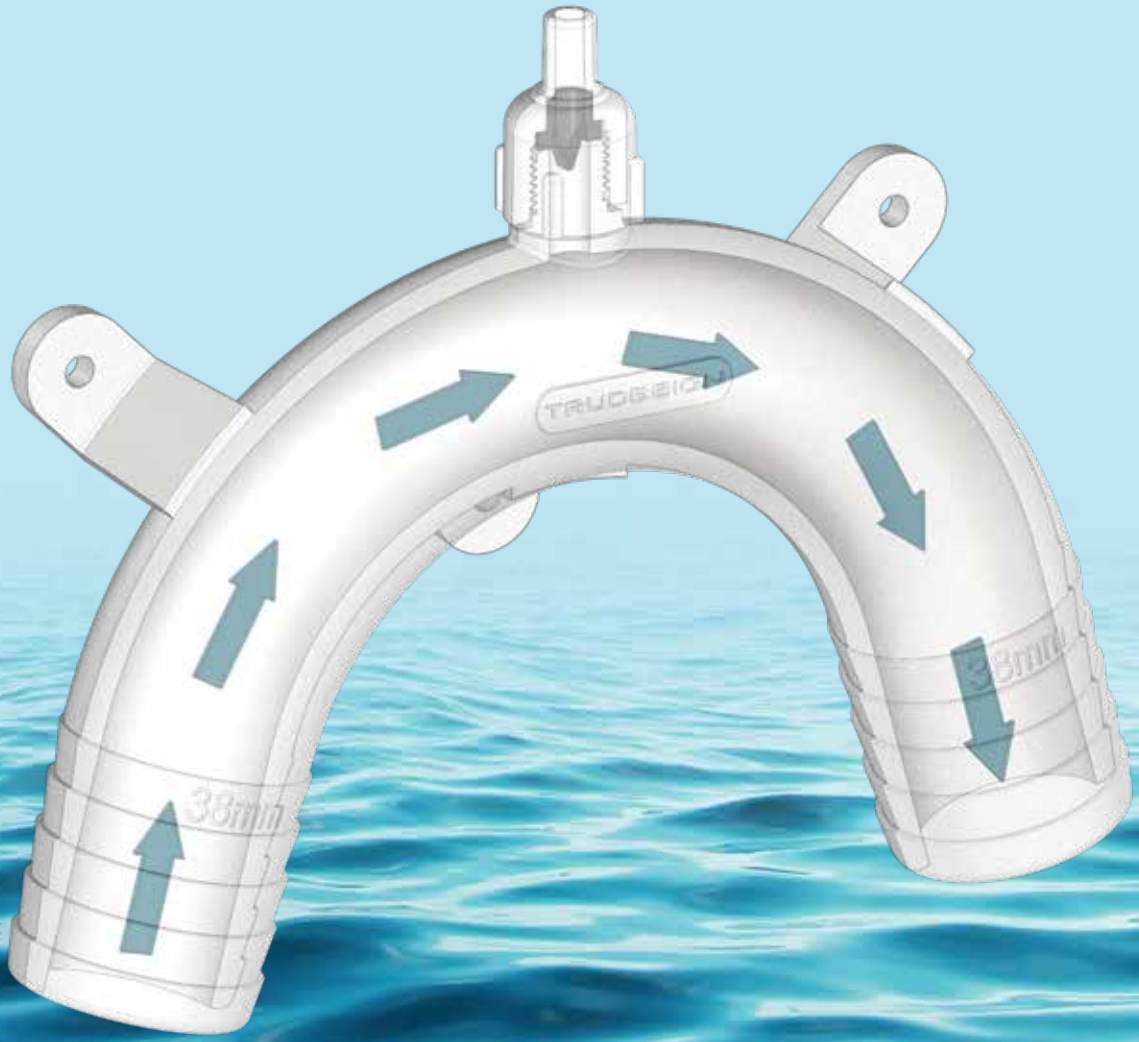
Aquavalve Spanner

Supplied with AquaValve

Carbon Filter

The Carbon Filter is designed for holding tank venting. It must be mounted vertically, or on an upward angle, and away from the tank to eliminate liquid contacting the carbon. Supplied complete with mounting bracket and hose tails 19mm, 25mm.

High quality, composite, free flow Vented Loops.



Vented Loops

Vented Loops can stop the dangerous siphoning back of fluids from tank to tank or into toilets and small engine cooling systems.

The TruDesign Vented Loop is the only siphon-break fitting with no restriction through the entire internal diameter.

Used in:

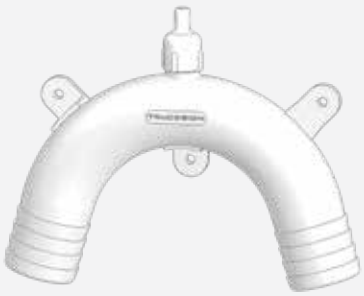
- Toilet discharge applications.
- Bilge pump outlet overboard.
- Toilet inlet applications.
- Genset or small engine inlet cooling water systems.
- Air conditioners.
- Ballast tanks.

Made of corrosion-resistant composite material which prevents degradation and leaks that occur with inferior material products.

The simple one way DuckBill valve at the top of the Vented Loop allows air to enter the line when not in use, thereby preventing siphoning.

Available 3 Sizes - Black & White

¾"	19mm
1"	25mm
1 ½"	38mm



Vented Loops with Solenoid (electric toilets)

The extra inlet water suction generated by electric toilets will often open the DuckBill valve in the standard Vented Loops - drawing in air and preventing pump priming and full flush.

Installing a solenoid operated Vented Loop on the inlet hose will ensure maximum electric toilet performance and primeability.

Simply wire in parallel to the toilet's electric motor ensuring the valve is closed when water is being sucked "in" and venting when the motor is off.

The solenoid will close the air valve only when the pump is running.

Available 3 Sizes - Black & White

¾"	19mm
1"	25mm
1 ½"	38mm

- Available in 12VDC / 24VDC.
- Power Consumption (Upon energizing) 400mA.

Spare Parts Kit

Contains Valve, Cap & Peg for clearing of vent hole.

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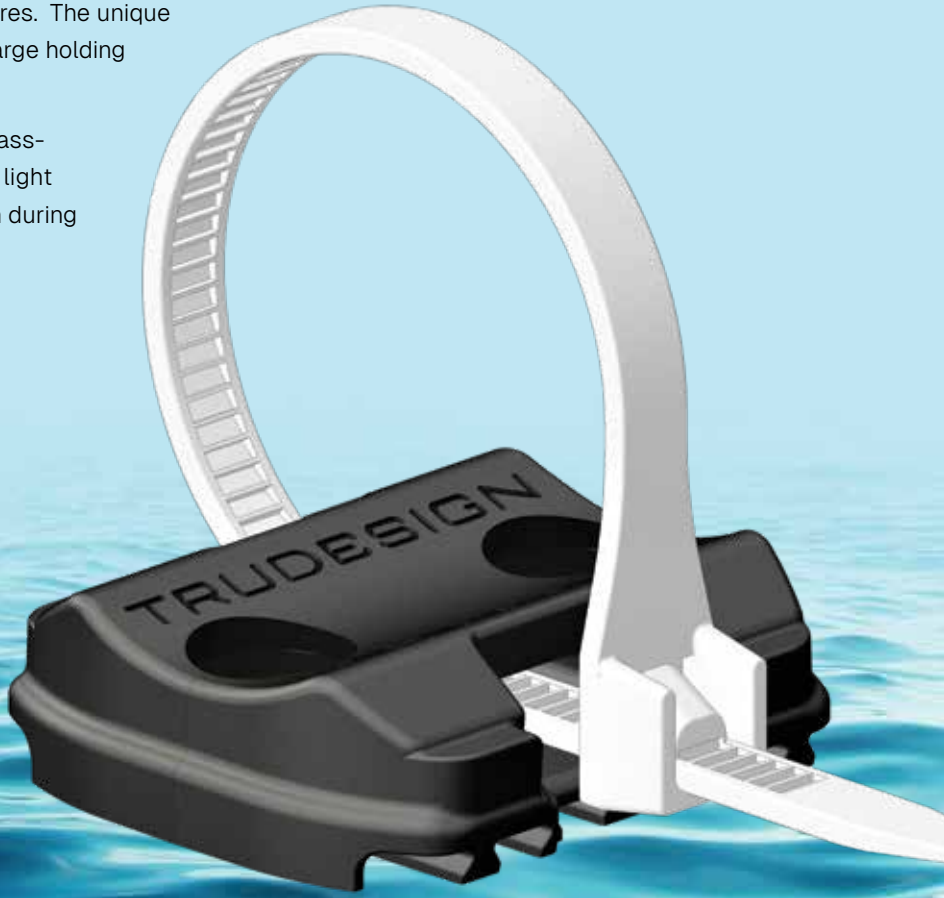
Fastening Systems

This unique Fastener System allows strong surface bonding without compromising the integrity of the hull, gel coat or bulkhead structures. The unique dovetail jointed base allows for large holding loads relative to size.

Manufactured from composite glass-reinforced Nylon, they are strong, light weight and enable cost reduction during the construction process.



Saddle Base

Key Features:

- Large cable tie slot for holding multiple cables and hoses.
- Rated breaking strength of saddle = 150kg.
- Accessory range of clips for mounting hoses and pipes, simply clips onto base. Saddle clips manufactured from U.V stabilised Acetal Copolymer (POM).

Bolt Base (M6/M8)

Key Features:

- M6 and M8 Bolt Bases allow easy bolt fastening of cable trays, control boxes, and other equipment to GRP hulls bulk heads and ceiling structures.
- Rated breaking strain (straight pull) of base on GRP surface using Methacylate Glue = 150kg.
- Compatible with DIN 931 Hex Head Bolts (Bolt not included).
- Clip feature to retain bolt during installation.

Saddle Clips

Four Saddle Clip options for mounting hoses and pipes ranging 13mm to 50mm. They simply clip onto the saddle base. Manufactured from U.V stabilised Acetal copolymer (POM).

Available 4 Sizes - Black

½"	13mm - 16mm
¾"	20mm - 27mm
1 ⅛"	28mm - 37mm
1 ½"	38mm - 50mm

Marina and Yacht Washdown Nozzles

The TruDesign range of hose nozzles are durable yet lightweight. They can be adjusted easily and smoothly with a twist of the wrist for a strong jet throw, cone spray or fog pattern.

- Ideal high pressure nozzles for wash down and marine fire protection on boats and dockside.
- Feature overmolded black polyurethane protective bumpers to extend the lives of the nozzles and prevent damage to expensive decking and hardware.

Hose Nozzles

Large Powerjet

- Approved for use with fire hoses on surveyed vessels in NZ.
- Typical flowrate of up to 300 Litres/min.

1 ½" BSP - 4 sizes of tail options available (19, 25, 32, and 38mm).

Small Powerjet

- Approved for use with fire hoses on surveyed vessels in NZ.
- Typical flowrate of up to 100 Litres/min.

1" BSP - 3 sizes of tail options available (19, 25 and 32mm).

Hose Reel Nozzle

- Meets both New Zealand & Australian Fire Hose Reel Standards.
- Typical flowrate of up to 50 Litres/min.

¾" BSP - 3 sizes of tail options available (13, 19, and 25mm) plus the Tail Snap.

Tail Snap

¾" BSP Thread.

Powerspray Nozzle

Made from super tough Nylon, Powerspray Nozzles are ideal for all Marine and Industrial spraying applications. Typical flowrate of up to 42 Litres/min.

¾" BSP - 3 sizes of tail options available (13, 19 and 25mm) plus the Tail Snap.

Hose Clamps

Low-profile composite material Hose Clamps provide excellent hose clamping with no sharp edges meaning they won't scratch or damage decks or hardware.

NB: Not suitable for underwater applications.

Available Sizes

½"	13mm
¾"	19mm
1"	25mm
1 ¼"	32mm
1 ½"	38mm

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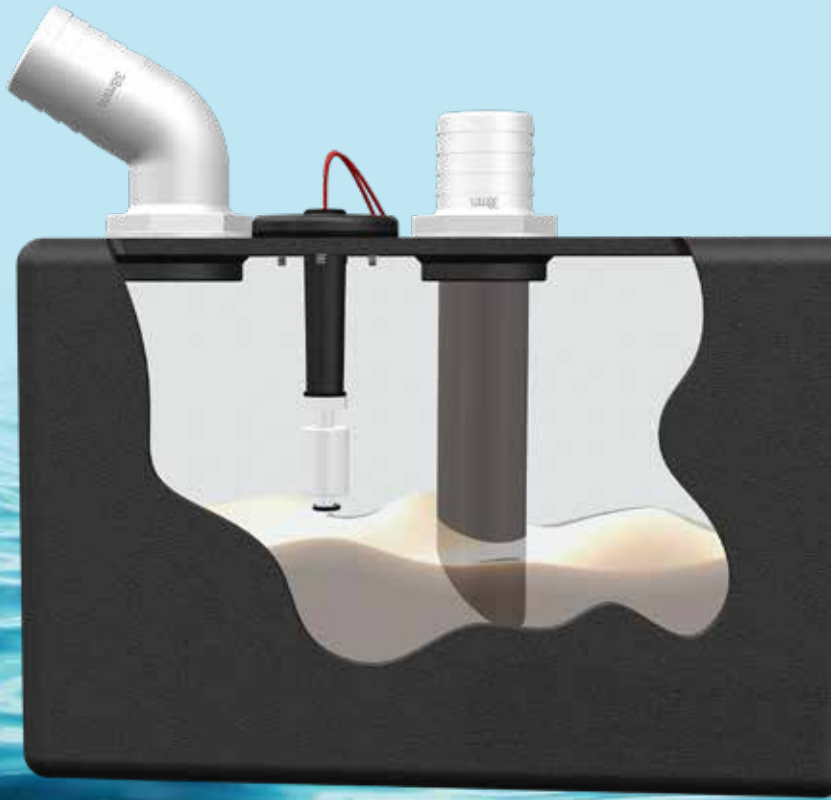
Tank Fittings

Tank Fittings can be utilised for installation into a holding tank. Tank Fittings are a customised version of our standard components and accommodate the Tank Fitting Tube. Thread size 1 ½" BSP.



Level Sensors & Tank Monitors

Tank Monitor Panel
The tank monitor has been designed as a simple alarm system to indicate when a marine sewage or fresh water holding tank is nearly full or empty.

- The system is designed to operate on 12/24 Volt DC.
- Comprehensive installation instructions supplied.
- Stainless Steel fastenings.
- Internal wire tinned to protect against corrosion.
- Each unit individually circuit tested.
- Full service and parts backup.
- Easily changed to indicate empty or full.

Tank Sensor Switch (Short)

Tank Sensor Switch (Long)
¾" BSPT

Tank Fittings

Tank Fitting - Straight

Available Sizes - White

¾"	19mm
1"	25mm
1 ¼"	32mm
1 ½"	38mm

Tank Fitting - 90°

Available Sizes - White

1"	25mm Hose Adaptor
1 ½"	38mm Hose Adaptor

Tank Fitting - 120°

Available Sizes - White

1"	25mm Hose Adaptor
1 ½"	38mm Hose Adaptor

Threaded Vent Plug

Available Sizes - White

External	Internal
1 ½"	¾"

Tank Fitting Tube

19"	490mm

Accessories

DAME CATEGORY WINNER

Skin Fitting Installation Tool

These unique, world-first products allow installation to be carried out by one individual. Simply insert from the flanged end and turn until it 'clicks' into position. It can then be offered into the hull from the outside. Once inside the boat the Skin Fitting Washer and Nut can then be fitted whilst stopping the Skin Fitting from turning. Once finished, they can be clicked out to be used again.

Marine Hinge

Composite Glass reinforced Nylon material for strength and durability. Available in Black and White including 316 Stainless Steel Hinge Pin.

Multistrap - Cable Tie

The Multistrap has been designed to secure electrical cable looms and plumbing hoses by utilising the unique screw hole. Moulded in Nylon, they are designed to support up to 5kg in weight. Available in packs of 10 or 50 in both black and white. Maximum circumference: 270mm/width: 10mm. Fits TruDesign Saddle Base.

Fuel / Water Spanner

Ideal special purpose Spanner for fuel and water deck fittings.

Mould Plugs for Recessed Skin Fitting

Designed to form the recess in a fibreglass (GRP) hull that is required for the flush of a TruDesign Recessed Skin Fitting.

Available Sizes

¾" — 1" — 1 ¼" — 1 ½"

Countersunk Washers

20 Pack - Black or White
Available in two sizes:
4.7mm and 6mm.

Are your Marine Fittings Compliant?

IMCI - ISO 9093:2021 – Small craft – Seacocks and Through-Hull fittings

TruDesign Skin Fittings and Ball Valves comply with ISO 9093:2021 and certified by the International Marine Certification Institute (IMCI).

Bureau Veritas

TruDesign Skin Fittings and Ball Valves comply with ISO 9093:2021 and Type approved by BUREAU VERITAS.

American ABYC H-27 – 500Lb Static Load Test

TruDesign 1 ¼",1 ½", 2" and 3" Thru Hulls, Ball Valves and Tail assemblies comply with the ABYC 500Lb load test with or without an ABYC collar.

TruDesign 1" Thru Hull, Ball Valve and Tail assembly complies with the ABYC 500Lb load test when used with the TruDesign ABYC collar. The ½" and ¾" do not comply with the ABYC load test standard.

US Coast Guard Fire Test 183.590 or ISO 7840 – Fire resistant fuel hose

The TruDesign Ball Valve functions with no leaks after being exposed to a Heptane flame for 2.5 minutes.

For details see our website – trudesign.nz

Distributor Support

Distributor Page

trudesign.nz/marine/distributors

Detailed Catalogue

- Pictorial catalogue for easy navigation.
- Spreadsheet pricing including barcodes for input into POS systems.

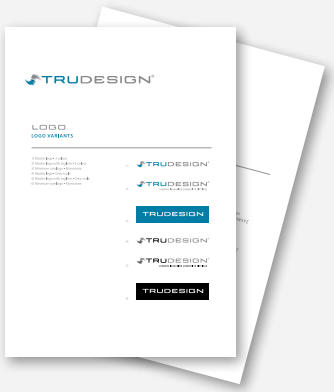
Packaging Options

Available in printed recyclable zip-lock pouches for easy and effective display. Product can be supplied loose for OEM supply or bulk.

* Some products are supplied packaged due to logistical/standards requirements.

Product Info Sheets

Comprehensive Product Info Sheets are available for all products. These include important information such as specifications, dimensions and installation instructions.



Drop Box Image Library

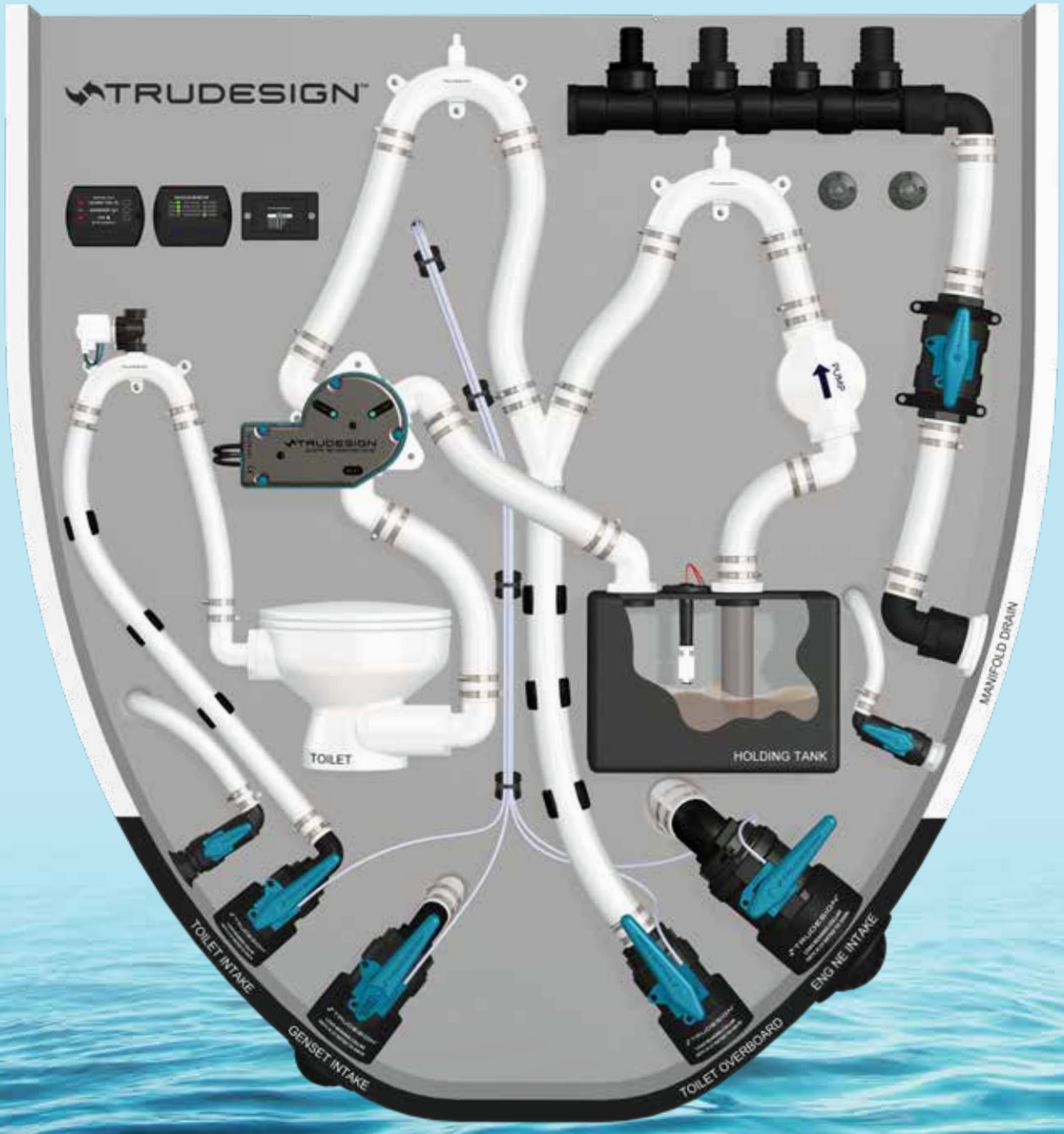
All product images are available as renders for high quality presentations. Logos supplied in multiple formats with associated branding guidelines.

Installation Posters

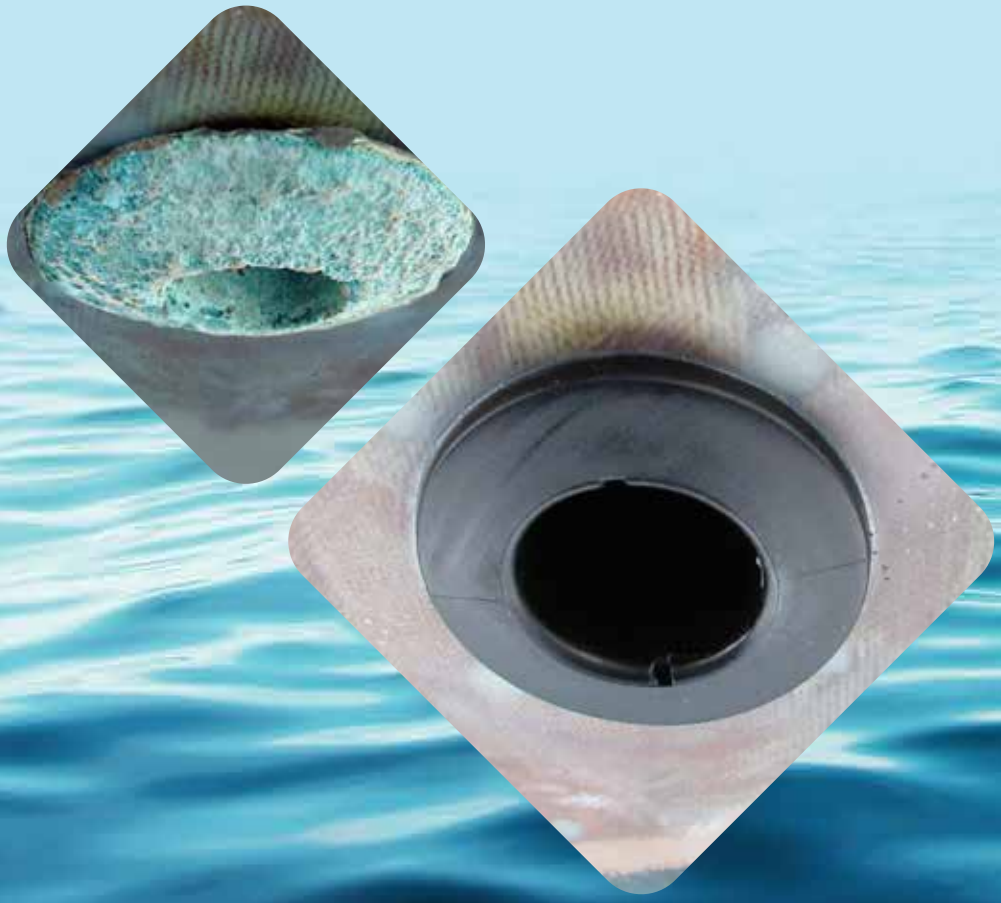
For Manual and Electronic Aquavalve.

Hull Display

Interactive display to better visualise product usage



No corrosion
No electrolysis
No worries



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