

## T-PIECE THREADED 1½" BSP M-F-F

The **TRUDESIGN**® T-Piece Threaded 1½" BSP M-F-F features two female parallel 1½" BSP threads and a male parallel 1½" BSP thread which allows manifolds to be created simply by joining two or more parts together – useful for multiple hose connections from a single Ball Valve and Thru-Hull fitting. Commonly used for glycol/antifreeze flush through systems in preparation for winterization, a plug may be installed in the female end of the T-Piece to work as an inspection port for looking through to the internals of the Ball Valve.



The T-Piece Threaded 1½" BSP M-F-F is moulded from a glass-reinforced Nylon composite. High strength, high-modulus glass fibres provide dramatic strength, stiffness, toughness and dimensional stability. These are some of the unique properties that give significant advantages and weight-savings over traditional metallic fittings.

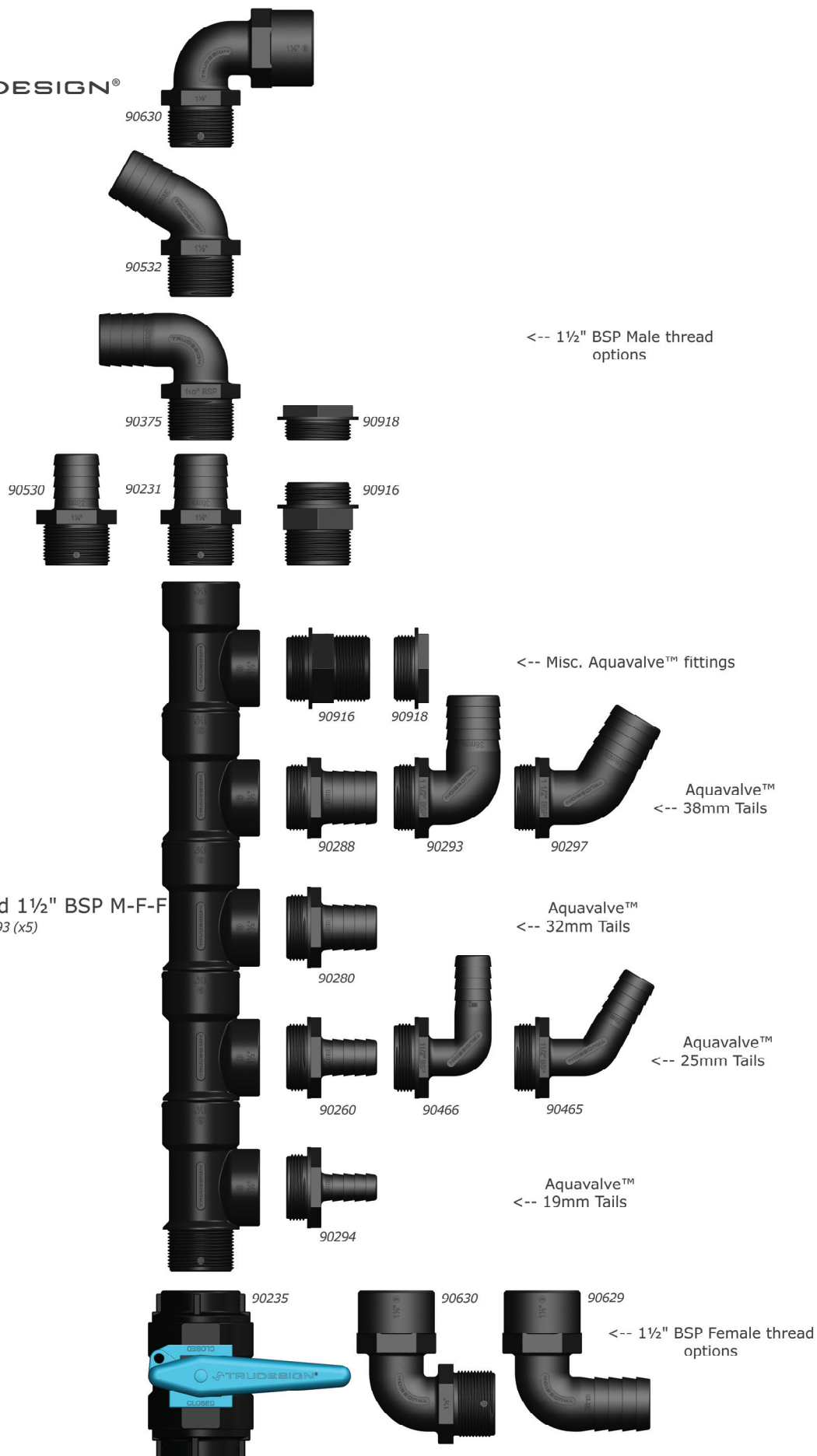
**TRUDESIGN**® fittings eliminate all corrosion and bonding problems associated with electrolysis.

### Features:

- Manufactured from a glass-reinforced Nylon composite – High strength, tough and light weight.
- Immune to corrosion & electrolysis – Long life with no decreased performance due to corrosion.
- Chemical resistant – Unaffected by diesel, petrol, chemicals, and antifouling paints.
- U.V resistant – Will not degrade or discolour from the sun's ultraviolet rays.
- Large operating range – Suitable for all marine conditions from -20°C to +100°C
- High quality surface finish – Will not discolour with green oxidation as bronze fittings do.
- Parallel threads – Sealing and strength down the whole length of thread engagement, plus the ability to orientate parts at all angles to one another.
- Fits **TRUDESIGN**® 1½" BSP Ball Valves and threads including all **TRUDESIGN**® Aquavalue™ fittings, plus other 1½" BSP threads – Universal compatibility to **TRUDESIGN**® brand fittings and other commonly used marine hardware.

## Versatility:

Compatible **TRUDESIGN®** fittings;



## Technical & Dimensions:

All dimensions in millimetres (mm).  
All dimensions nominal.

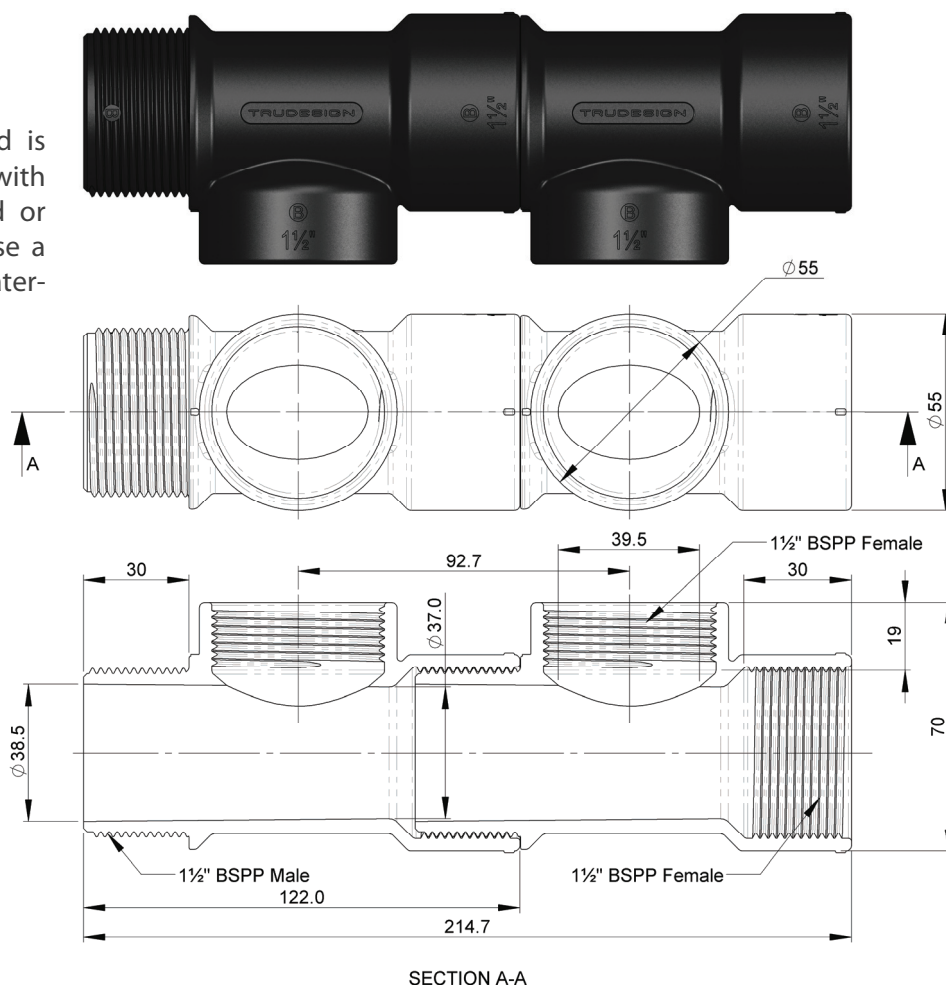
The centre 1½" BSPP Female thread is 19.0 mm long and designed for use with Aquavalue™ fittings. Discard the red or blue Aquavalue™ seal and instead use a suitable thread sealant to achieve water-tight sealing.

Do not over-tighten!

Approx. 11.0 mm can be trimmed off a standard **TRUDESIGN**® 1½" BSPP thread length (30.0 mm long standard) to allow fitting to sit flush. It is also OK to leave (and not trim) and have approx. 11.0 mm of thread showing.

*Tip – trim with a hacksaw and clean any ragged edges afterwards with a small file.*

Aquavalue™ fittings may also be used in the longer 1½" BSPP Female thread at one end of the T-Piece. Again, discard the red or blue Aquavalue™ seal and instead use a suitable thread sealant to achieve water-tight sealing.



## Models:

Part #	Description
90893	T-Piece Threaded 1½" BSP M-F-F
90894	T-Piece Threaded 1½" BSP M-F-F PKG

## Installation:

Apply a polyurethane based thread sealant such as 3M Fastcure 5200 or Sikaflex 291i, or PTFE thread tape, to the male thread section of parts to be connected to the T-Piece. Screw down fully ensuring not to over-tighten. If tail fitting is angled (90° or 120°), ensure final position of tail is clear of the Ball Valve handle's operation path and that hoses can be easily fitted once all assembled. Finally, apply sealant to the male thread of the T-Piece and screw onto mating part. Again, ensure not to over-tighten.

*Tip – when creating manifolds or large assemblies, perform a 'dry' fit of parts then fit in vessel to check clearances before applying any sealants or thread tape.*

Refer to manufacturer's instructions for full cure time of sealant before fitting hoses.