pure water storage ltd

PRODUCT GUIDE

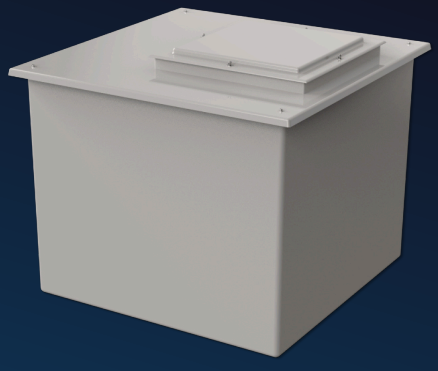


SafeContractor Alcumus · WRAS · kiwa · Constructionline Gold Member

Making water storage easy since 2002

pure water storage ltd

Grp One piece
Cold water storage tanks



A comprehensive range of one piece cold water storage tanks manufactured from Kiwa and WRAS approved Grp materials.

Fully encapsulated insulation to sides and lid.

Close fitting and sealed lid which is removable for maintenance.

Tanks storing over 1000 litres nominal have an access man-way with removable lid providing a 520 x 520mm opening, allowing access for maintenance and inspection.

Applications

Suitable for all cold water applications including:

- Potable and Non potable water storage.
- Process water (including process cooling) applications -15° to +30°c

Provides mains water protection for fluid category 1,2,3 & 4 with standard lid arrangement & fluid category 5 when back flow protection is required.

Approvals & Certification

Full Kiwa and WRAS approval

Manufactured to BS EN 13280:2001

Quality System manufactured in accordance with ISO 9001: 2000

Specification - General

Manufactured from highest quality Grp materials. CFC free PU foam insulation is completely encapsulated within the Grp laminate.

Structural support where required is provided by rolled hollow section steel, braced with welded corner angles, which is then completely encapsulated within the Grp laminate.

The outer surface of the tank is coated with polyester gel coat to ensure tank suitability for external positioning in most extremes of weather as standard.

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Optional items for this product range include:

- Raised float valve housings.
- Equilibrium and BS1212 float valves.
- Aylesbury "Keraflo" delayed action float valves.
- Screened overflows & warning pipes.
- Flanged tank connectors.
- Float operated switches to suit level control.
- Temperature sensors.
- Level gauges.
- Drip trays.
- Encapsulated ply base.
- Steel support frames.
- Fitted with internal divisions or weir plates.

and much more....

For details of optional items, please refer to our website: www.purewaterstorage.co.uk

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0121 323 4000

40-46 Mariner, Lichfield Road Industrial Estate, Tamworth, B79 7UL

Email: info@purewaterstorage.co.uk

Grp One piece
Standard tank range

Imperial configuration tanks

Product	Nominal Capacity	Internal Dimensions	External Dimensions
PW90.INS	90 litres	610 x 305 x 510mm high	775 x 478 x 522mm high
PW160.INS	160 litres	760 x 460 x 460mm high	950 x 655 x 499mm high
PW225.INS	225 litres	610 x 610 x 610mm high	795 x 795 x 650mm high
PW338.INS	338 litres	610 x 610 x 910mm high	795 x 795 x 950mm high
PW340.INS	340 litres	915 x 610 x 610mm high	1080 x 775 x 622mm high
PW454.INS	454 litres	1067 x 610 x 710mm high	1245 x 795 x 727mm high
PW570.INS	570 litres	990 x 760 x 760mm high	1150 x 925 x 799mm high
PW650.INS	650 litres	1067 x 610 x 1000mm high	1245 x 795 x 1017mm high
PW680.INS	680 litres	1220 x 915 x 610mm high	1395 x 1087 x 649mm high
PW712.INS	712 litres	1090 x 860 x 760mm high	1240 x 1010 x 796mm high
PW909.INS	909 litres	1168 x 890 x 890mm high	1330 x 1050 x 929mm high
PW1135.INS	1135 litres	1524 x 915 x 812mm high	1680 x 1080 x 905mm high
PW1364.INS	1364 litres	1370 x 1092 x 915mm high	1570 x 1290 x 1008mm high
PW1590.INS	1590 litres	1524 x 1143 x 915mm high	1700 x 1310 x 1008mm high
PW1818.INS	1818 litres	1220 x 1220 x 1220mm high	1390 x 1390 x 1313mm high
PW2272.INS	2272 litres	1828 x 1220 x 1016mm high	2020 x 1410 x 1109mm high
PW2726.INS	2726 litres	1828 x 1220 x 1220mm high	2020 x 1410 x 1313mm high
PW3185.INS	3185 litres	2440 x 1220 x 1070mm high	2610 x 1410 x 1163mm high
PW3636.INS	3636 litres	2440 x 1220 x 1220mm high	2610 x 1410 x 1313mm high

Metric configuration tanks

Product	Nominal Capacity	Internal Dimensions	External Dimensions
PW125.INS	125 litres	500 x 500 x 500mm high	675 x 675 x 518mm high
PW187.INS	187 litres	500 x 500 x 750mm high	675 x 675 x 765mm high
PW250.INS	250 litres	1000 x 500 x 500mm high	1160 x 660 x 517mm high
PW251.INS	250 litres	500 x 500 x 1000mm high	675 x 675 x 1018mm high
PW305.INS	305 litres	500 x 500 x 1220mm high	675 x 675 x 1237mm high
PW375.INS	375 litres	500 x 500 x 1500mm high	675 x 675 x 1517mm high
PW500.INS	500 litres	1000 x 1000 x 500mm high	1172 x 1172 x 539mm high
PW501.INS	500 litres	1000 x 500 x 1000mm high	1160 x 660 x 1017mm high
PW601.INS	600 litres	1000 x 500 x 1200mm high	1160 x 660 x 1217mm high
PW750.INS	750 litres	1500 x 1000 x 500mm high	1702 x 1202 x 536mm high
PW751.INS	750 litres	1000 x 1000 x 750mm high	1172 x 1172 x 789mm high
PW825.INS	825 litres	1500 x 500 x 1100mm high	1665 x 665 x 1140mm high
PW1000.INS	1000 litres	1000 x 1000 x 1000mm high	1160 x 1160 x 1093mm high
PW1050.INS	1050 litres	1500 x 500 x 1400mm high	1665 x 665 x 1477mm high
PW1125.INS	1125 litres	1500 x 500 x 1500mm high	1665 x 665 x 1577mm high
PW1220.INS	1220 litres	1000 x 1000 x 1220mm high	1160 x 1160 x 1313mm high
PW1500.INS	1500 litres	1500 x 1000 x 1000mm high	1702 x 1202 x 1093mm high
PW1501.INS	1500 litres	1000 x 1000 x 1500mm high	1160 x 1160 x 1593mm high
PW2000.INS	2000 litres	2000 x 1000 x 1000mm high	2180 x 1180 x 1093mm high
PW2001.INS	2000 litres	1000 x 1000 x 2000mm high	1180 x 1180 x 2093mm high
PW2250.INS	2250 litres	1500 x 1000 x 1500mm high	1702 x 1202 x 1593mm high
PW2501.INS	2500 litres	2000 x 1000 x 1250mm high	2180 x 1180 x 1343mm high
PW3000.INS	3000 litres	3000 x 1000 x 1000mm high	3202 x 1202 x 1093mm high
PW3001.INS	3000 litres	2000 x 1000 x 1500mm high	2180 x 1180 x 1593mm high
PW3750.INS	3750 litres	2500 x 1500 x 1000mm high	2694 x 1694 x 1093mm high
PW4000.INS	4000 litres	2000 x 2000 x 1000mm high	2192 x 2192 x 1093mm high
PW4001.INS	4000 litres	2000 x 1000 x 2000mm high	2180 x 1180 x 2093mm high
PW4500.INS	4500 litres	2500 x 1500 x 1200mm high	2694 x 1694 x 1293mm high
PW5000.INS	5000 litres	2500 x 2000 x 1000mm high	2692 x 2192 x 1093mm high
PW5625.INS	5625 litres	2500 x 1500 x 1500mm high	2694 x 1694 x 1593mm high
PW6000.INS	6000 litres	3000 x 2000 x 1000mm high	3192 x 2192 x 1093mm high
PW6001.INS	6000 litres	2000 x 2000 x 1500mm high	2192 x 2192 x 1593mm high
PW7500.INS	7500 litres	2500 x 2000 x 1500mm high	2692 x 2192 x 1593mm high
PW9000.INS	9000 litres	3000 x 2000 x 1500mm high	3192 x 2192 x 1593mm high
PW12000.INS	12000 litres	3000 x 2000 x 2000mm high	3192 x 2192 x 2093mm high

Raised float valve housing

Product	To suit valve type	Addition to internal tank height
FVH4	Up to 54mm aylesbury & Equilibrium	+340mm Approx
FVH5	65mm + & multiple valves	+450mm or higher depending on size of valve
FVH6	Up to 28mm Equilibrium	+340mm Approx

Note: (Please add 20mm to overall external height for any tank including a baseboard)

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Please note...

All tanks available with AG,AF or AB air gaps please ask for further information.

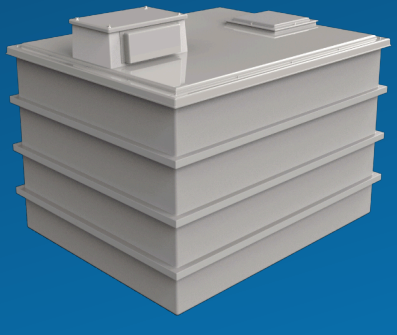
All of these tanks are available as two piece units for applications where access is restricted.

Un-insulated tanks are also available for non- potable applications.

We can also manufacture bespoke tanks to your specific size and configuration requirements.

For details, please refer to the relevant information sheets or visit our website:

www.purewaterstorage.co.uk



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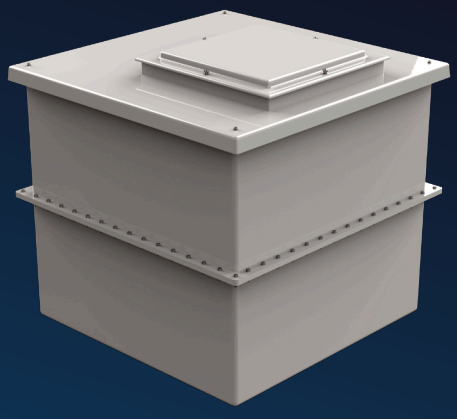
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GRP Two piece Cold water storage tanks



A Comprehensive range of two piece cold water storage tanks manufactured from Kiwa and WRAS approved GRP materials.
The same configurations and capacities as the one piece tank range.

Comprising an upper and lower section of equal height, incorporating an external horizontal joint flange allowing the sections to be bolted together on site.

All sealant and fixings for the joint flange are supplied with the tank.
Please scan the QR code on the tank label to view assembly instructions.
Fully encapsulated insulation to sides and lid.

Close fitting and sealed lid which is removable for maintenance.

Tanks storing over 1000 litres nominal have an access man-way with removable lid providing a 520 x 520mm opening, allowing access for maintenance and inspection.

Applications

Particularly suitable for sites with access restrictions, allowing a large tank to be carried through a doorway or similar restriction, then assembled once in position.

Provides a cost saving in comparison to a sectional tank.

Suitable for all cold water applications including:

- Potable & Non Potable water storage
- Process water (including process cooling) applications -15° to +30°c

Provides mains water protection for fluid category 1,2,3 & 4 with standard lid arrangement & fluid category 5 when back flow protection is required.

Approvals & Certification

Full Kiwa and WRAS approval

Manufactured to BS EN 13280:2001

Quality System manufactured in accordance with ISO 9001: 2000

Specification - General

Manufactured from highest quality GRP materials.

CFC free PU foam insulation is completely encapsulated within the GRP laminate.

Structural support where required is provided by rolled hollow section steel,braced with welded corner angles, which is then completely encapsulated with in the GRP laminate.

The outer surface of the tank is coated with polyester gel coat to ensure tank suitability for external positioning in most extremes of weather as standard.

kiwa WRAS APPROVED PRODUCT

Optional items for this product range include:

- Raised float valve housings.
- Equilibrium and BS1212 float valves.
- Aylesbury "Keraflo" delayed action float valves.
- Screened overflows & warning pipes.
- Flanged tank connectors.
- Float operated switches to suit level control.
- Temperature sensors.
- Level gauges.
- Drip trays.
- Encapsulated ply base.
- Steel support frames.
- Fitted with internal divisions or weir plates.

and much more....

For details of optional items, please refer to our website: www.purewaterstorage.co.uk

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GRP Two piece Standard tank range

Imperial configuration tanks

Product	Nominal Capacity	Internal Dimensions	External Dimensions	Section Dimensions
PW90.INS/2	90 litres	610 x 305 x 510mm high	790 x 500 x 539mm high	790 x 500 x 252.5mm high
PW160.INS/2	160 litres	760 x 460 x 460mm high	950 x 655 x 499mm high	950 x 655 x 232.5mm high
PW225.INS/2	225 litres	610 x 610 x 610mm high	805 x 805 x 643mm high	805 x 805 x 307.5mm high
PW338.INS/2	338 litres	610 x 610 x 910mm high	805 x 805 x 949mm high	805 x 805 x 457.5mm high
PW340.INS/2	340 litres	915 x 610 x 610mm high	1090 x 785 x 641mm high	1090 x 785 x 305mm high
PW454.INS/2	454 litres	1067 x 610 x 710mm high	1255 x 805 x 749mm high	1255 x 805 x 357.5mm high
PW570.INS/2	570 litres	990 x 760 x 760mm high	1150 x 925 x 799mm high	1150 x 925 x 382.5mm high
PW650.INS/2	650 litres	1067 x 610 x 1000mm high	1255 x 805 x 1039mm high	1255 x 805 x 502.5mm high
PW680.INS/2	680 litres	1220 x 915 x 610mm high	1395 x 1087 x 649mm high	1395 x 1087 x 305mm high
PW712.INS/2	712 litres	1090 x 860 x 760mm high	1240 x 1010 x 796mm high	1240 x 1010 x 382.5mm high
PW909.INS/2	909 litres	1168 x 890 x 890mm high	1330 x 1050 x 929mm high	1330 x 1050 x 447.5mm high
PW1135.INS/2	1135 litres	1524 x 915 x 812mm high	1680 x 1080 x 905mm high	1680 x 1080 x 408.5mm high
PW1364.INS/2	1364 litres	1370 x 1092 x 915mm high	1570 x 1290 x 1008mm high	1570 x 1290 x 460mm high
PW1590.INS/2	1590 litres	1524 x 1143 x 915mm high	1700 x 1310 x 1008mm high	1700 x 1310 x 460mm high
PW1818.INS/2	1818 litres	1220 x 1220 x 1220mm high	1390 x 1390 x 1308mm high	1390 x 1390 x 610mm high
PW2272.INS/2	2272 litres	1828 x 1220 x 1016mm high	2020 x 1410 x 1109mm high	2020 x 1410 x 510.5mm high
PW2726.INS/2	2726 litres	1828 x 1220 x 1220mm high	2020 x 1410 x 1313mm high	2020 x 1410 x 612.5mm high
PW3185.INS/2	3185 litres	2440 x 1220 x 1070mm high	2610 x 1410 x 1163mm high	2610 x 1410 x 537.5mm high
PW3636.INS/2	3636 litres	2440 x 1220 x 1220mm high	2610 x 1410 x 1313mm high	2610 x 1410 x 612.5mm high

Metric configuration tanks

Product	Nominal Capacity	Internal Dimensions	External Dimensions	Section Dimensions
PW125.INS/2	125 litres	500 x 500 x 500mm high	690 x 690 x 509mm high	690 x 690 x 252.5mm high
PW187.INS/2	187 litres	500 x 500 x 750mm high	690 x 690 x 759mm high	690 x 690 x 377.5mm high
PW250.INS/2	250 litres	1000 x 500 x 500mm high	1180 x 680 x 536mm high	1180 x 680 x 255mm high
PW251.INS/2	250 litres	500 x 500 x 1000mm high	690 x 690 x 1009mm high	690 x 690 x 502.5mm high
PW305.INS/2	305 litres	500 x 500 x 1220mm high	690 x 690 x 1229mm high	690 x 690 x 612.5mm high
PW375.INS/2	375 litres	500 x 500 x 1500mm high	690 x 690 x 1509mm high	690 x 690 x 752.5mm high
PW500.INS/2	500 litres	1000 x 1000 x 500mm high	1180 x 1180 x 536mm high	1180 x 1180 x 252.5mm high
PW501.INS/2	500 litres	1000 x 500 x 1000mm high	1180 x 680 x 1036mm high	1180 x 680 x 502.5mm high
PW601.INS/2	600 litres	1000 x 500 x 1200mm high	1180 x 680 x 1236mm high	1180 x 680 x 602.5mm high
PW750.INS/2	750 litres	1500 x 1000 x 500mm high	1702 x 1202 x 536mm high	1702 x 1202 x 252.5mm high
PW751.INS/2	750 litres	1000 x 1000 x 750mm high	1180 x 1180 x 786mm high	1180 x 1180 x 377.5mm high
PW1000.INS/2	1000 litres	1000 x 1000 x 1000mm high	1180 x 1180 x 1093mm high	1180 x 1180 x 502.5mm high
PW1050.INS/2	1050 litres	1500 x 500 x 1400mm high	1665 x 665 x 1453mm high	1665 x 665 x 705mm high
PW1125.INS/2	1125 litres	1500 x 500 x 1500mm high	1665 x 665 x 1553mm high	1665 x 665 x 755mm high
PW1220.INS/2	1220 litres	1000 x 1000 x 1220mm high	1180 x 1180 x 1313mm high	1180 x 1180 x 612.5mm high
PW1500.INS/2	1500 litres	1500 x 1000 x 1000mm high	1702 x 1202 x 1093mm high	1702 x 1202 x 502.5mm high
PW1501.INS/2	1500 litres	1000 x 1000 x 1500mm high	1180 x 1180 x 1593mm high	1180 x 1180 x 752.5mm high
PW2000.INS/2	2000 litres	2000 x 1000 x 1000mm high	2202 x 1202 x 1093mm high	2202 x 1202 x 502.5mm high
PW2001.INS/2	2000 litres	1000 x 1000 x 2000mm high	1180 x 1180 x 2093mm high	1180 x 1180 x 1002.5mm high
PW2250.INS/2	2250 litres	1500 x 1000 x 1500mm high	1702 x 1202 x 1593mm high	1702 x 1202 x 752.5mm high
PW2501.INS/2	2500 litres	2000 x 1000 x 1250mm high	2202 x 1202 x 1343mm high	2202 x 1202 x 627.5mm high
PW3000.INS/2	3000 litres	3000 x 1000 x 1000mm high	3202 x 1202 x 1093mm high	3202 x 1202 x 502.5mm high
PW3001.INS/2	3000 litres	2000 x 1000 x 1500mm high	2202 x 1202 x 1593mm high	2202 x 1202 x 752.5mm high
PW3750.INS/2	3750 litres	2500 x 1500 x 1000mm high	2694 x 1694 x 1093mm high	2694 x 1694 x 505.00mm high
PW4000.INS/2	4000 litres	2000 x 2000 x 1000mm high	2192 x 2192 x 1093mm high	2192 x 2192 x 502.5mm high
PW4001.INS/2	4000 litres	2000 x 1000 x 2000mm high	2202 x 1202 x 2093mm high	2202 x 1202 x 1002.5mm high
PW4500.INS/2	4500 litres	2500 x 1500 x 1200mm high	2694 x 1694 x 1293mm high	2694 x 1694 x 602.5mm high
PW5000.INS/2	5000 litres	2500 x 2000 x 1000mm high	2692 x 2192 x 1093mm high	2692 x 2192 x 502.5mm high
PW5625.INS/2	5625 litres	2500 x 1500 x 1500mm high	2694 x 1694 x 1593mm high	2694 x 1694 x 752.5mm high
PW6000.INS/2	6000 litres	3000 x 2000 x 1000mm high	3192 x 2192 x 1093mm high	3192 x 2192 x 502.5mm high
PW6001.INS/2	6000 litres	2000 x 2000 x 1500mm high	2192 x 2192 x 1593mm high	2192 x 2192 x 752.5mm high
PW7500.INS/2	7500 litres	2500 x 2000 x 1500mm high	2692 x 2192 x 1593mm high	2692 x 2192 x 752.5mm high

Raised float valve housing

Product	To suit valve type	Addition to Internal tank height
FVH4	Up to 54mm aylesbury & Equilibrium	+340mm Approx
FVH5	65mm + & multiple valves	+450mm or higher depending on size of valve
FVH6	Up to 28mm Equilibrium	+340mm Approx

Note: (Please add 20mm to the overall external height for any tank including a baseboard)

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GRP bespoke water storage tanks

Especially useful where site restrictions mean that you cannot fit a standard one or two piece configuration tank into the available space or to pass through any doorways or similar restrictions.

If you can provide the available space dimension and state the capacity that is required, we will calculate the tank configuration most suitable for the application.

We manufacture tanks of all sizes and configurations: long, short, tall, low, wide and narrow. You name it, over the years we have probably manufactured it.

Bespoke tanks are only slightly more expensive than a standard tank of similar capacity but will certainly provide a cost saving compared to sectional tanks.

Bespoke tanks are available as One piece and Two piece, and can also be fitted with internal divisions, raised float valve housings and all of the other connections and ancillaries that are available.

Our bespoke tanks are manufactured from Kiwa and WRAS approved GRP materials to BS EN 13280:2001.

They are designed to store potable water up to a maximum temperature of 30°C all tanks are supplied as standard with 25mm insulation, however we can supply either un-insulated or with optional 50mm insulation.

Available with a capacity of up to 20,000 litres.

Please contact our sales office with your requirements.

Bespoke large capacity one piece tank with long but narrow footprint



Bespoke One piece tank, tall with small footprint



Bespoke One piece tank with raised float valve chamber



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Steel support frames

Steel support frames are suitable for raising the tank, allowing pump sets or other equipment to be positioned underneath.

A standard range of support frames to suit all Purewater standard tanks.

Allows maximum use of the available footprint.

Each frame has a removable lower brace to allow positioning of equipment.

Increases the static head for applications where pressurised feed to equipment is advantageous.

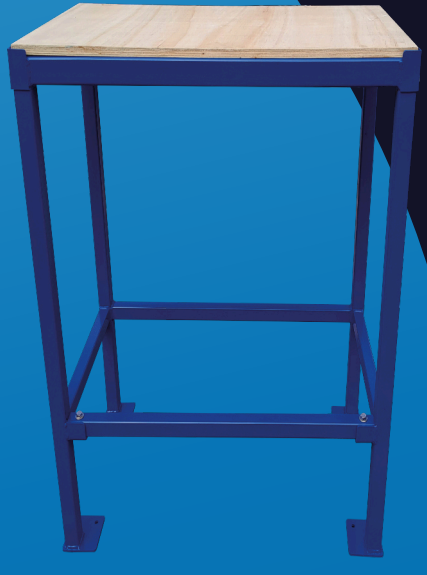
Suitable for One piece/Two piece tanks and some sectional tanks.

All Purewater steel support frames come in an Enzian anti corrosive primer finish, we can also offer galvanised or powder coated finish.

Can be manufactured in one piece or in bolt up sections allowing easy access and assembly on site.

Supplied with ply boarding to provide a flat solid surface for the tank base.





To enable us to assist with your requirements please contact us providing the following information:

- Tank model number or size for which the frame is required.
- Internal height of the building in which the unit is to be positioned.
- Required clearance needed to the underside of the frame.
- Details of any access restrictions to enable positioning of frame and tank.
- Galvanised finish is also available.

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Grp Sectional tanks- hot press moulded

Purewater sectional cold water storage tanks are designed in a modular format, which allows a comprehensive range of tank sizes and configurations.

They comprise of individual bolt-up panels which are assembled on site.

In order to calculate the nominal capacity of the tank, simply multiply the length x width x height.

There can be multiple configurations of our tanks, for example a 2 x 2 x 1m tank is not the same as a 2 x 1 x 2m tank.

Designed for two specific applications:

For storing water in large capacities - from 125 litres up to 2,000,000 litres.

To allow the site assembly of a water storage tank where access restrictions or other conditions deny the installation of one and two piece tanks.



kiwa WRAS APPROVED PRODUCT



Purewater sectional tanks incorporate hot press moulded GRP panels ensuring maximum dimensional stability and consistency of quality.

Kiwa and WRAS approved.

Manufactured to BS EN 13280:2001.

Manufactured in a metric modular format allowing water storage from 125 litres to 2 million litres. Factory Pre-insulated including insulated base option.

Available with either internal or externally flanged base arrangement, with fully self draining base option.

Incorporating the industry's largest sized man-way to provide access to the float valve.

Assembled on site by fully skilled and equipped engineers, ensuring 100% control of installation.

All sectional tanks are suitable for internal and external installations.

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Internally flanged base tanks (IFB)



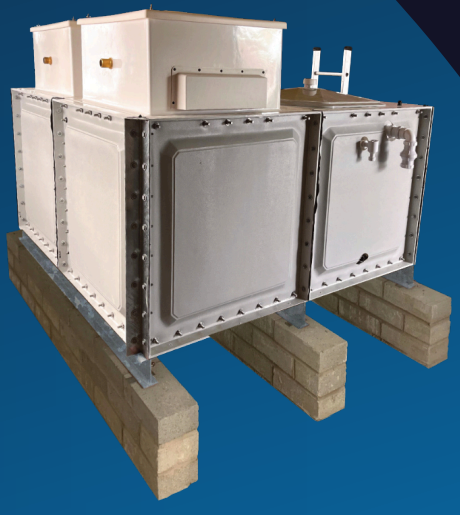
The most cost effective sectional tank format suitable for:

- Positioning onto a flat, solid, level surface and continuous foundation.
- Applications where there is sufficient working room all around the tank.

Comprising:

- Internally flanged base, externally flanged sides, internally flanged roof.
- Insulated to the side and cover only.
- IFB tanks are suitable for positioning onto a flat, level and continuous foundation, normally a structural concrete slab.
  "If the existing foundation is not within the required tolerances Purewater can provide foundation materials".
- IFB tanks require a minimum of 500mm working clearance all around the tank,a minimum of 500mm above the man-way height and or 350mm above anyraised float valve housing.

Externally flanged base tanks (EFB)



Suitable for:

- Positioning onto raised supports, typically to provide a positive head of pressure to an adjacent pump set or similar equipment.
- Where an insulated base is required.
- Where there is sufficient working room all around the tank.

Comprising:

- Externally flanged base, externally flanged sides, internally flanged roof. Insulated to the base, sides and cover.
- EFB tanks are suitable for positioning onto raised supports at 1000mm or 500mm centres depending on the tank size and configuration, foundation normally comprises of brick built or concrete dwarf walls.
- Raised supports must be a minimum of 500mm high.
- EFB tanks require a minimum of 500mm working clearance all around the tank, a minimum of 500mm above the man-way height and or 350mm above any raised float valve housing.

Totally Internally flanged tanks (TIF)



Suitable for:

- Applications where there is minimal working room available all panel joint flanges are accessed from inside the tank.

Comprising:

- Internally flanged base, internally flanged sides, internally flanged roof.
- Insulated to the sides and cover.
- TIF tanks are suitable for positioning onto a flat, level and continuous foundation, normally a structural concrete slab.
- TIF tanks require a minimum of 50mm working clearance to three sides and a minimum of 500mm to the final side of the tank, a minimum of 500mm above the man-way height and or 350mm above any raised float valve housing.

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Grp Sectional tanks- hot press moulded

Tank foundation requirements:

- Where foundation tolerances are not within specification, or if erecting metric configuration tanks on an existing imperial configured support, Purewater can supply the necessary steel work to enable installation of the tank.
- Steel work can be shimmed by our own engineers prior to installation of the tank.
- All foundation areas are inspected and checked prior to tank installation.

Internally flanged base tanks:

- For the successful installation of Purewater internally flanged sectional tanks the following are required:
- The area must be a minimum of 450mm greater in length and width than the internal dimensions of the tank.
- The foundation must be constructed so as to be capable of supporting the tank maximum weight when full.
- The foundation must be flat, level & continuous and be no more than ± 2mm over any given metre and no more than ± 6mm over 6 metres in any direction.
- The foundation must be free of any local high & low spots, protrusions and debris of any kind.

Access for IFB tanks:

- Purewater IFB sectional tanks require a minimum of 500mm working clearance all around the tank, a minimum of 500mm above the man-way height and a minimum of 350mm above any raised float valve housing.

Externally flanged base tanks:

- For the successful installation of Purewater externally flanged base sectional tanks the following are required:
- The foundation area must be a minimum of 450mm greater in length and width than the internal dimensions of the tank.
- The foundation must be constructed so as to be capable of supporting the tank maximum weight when full.
- The foundation must be level and be no more than ± 2mm over any given metre and no more than ± 6mm over 6 metres in any direction.
- The foundation must be free of any local high & low spots, protrusions and debris of any kind.

Access for EFB tanks:

- Purewater EFB sectional tanks require a minimum of 500mm working clearance all around the tank, a minimum of 500mm above the man-way height and a minimum of 350mm above any raised float valve housing and a minimum of 500mm access height to the underside of the tank.

Totally internally flanged tanks:

- For the successful installation of Purewater totally internally flanged sectional tanks the following are required:
- The foundations area must be a minimum of 50mm greater in length and width than the external dimensions of the tank.
- The foundation must be constructed so as to be capable of supporting the tank maximum weight when full.
- The foundation must be flat, level & continuous and be no more than ± 2mm over any given metre and no more than ± 6mm over over 6 metres in any direction.

Access for TIF tanks:

- Purewater TIF sectional tanks require a minimum of 50mm working clearance to three sides and 500mm minimum to the final side.A minimum of 500mm above the man-way height and a minimum of 350mm above an raised float valve housing.

Panel Specification

- Panels are manufactured from high quality SMC material hot pressed moulded to a temperature of 150°C ensuring maximum dimensional stability.
- Panels are available in a metric format, in increments of 500mm up to a 1m x 2m high panel.
- Individual panels are dimensionally accurate with defined sharp corners, and are precision factory drilled.
- Truncated panel option for maximum strength and to provide full metre span base configuration.
- Factory Pre-Insulated using CFC free polyurethane foam.
- Fully Kiwa and WRAS approved.
- Maximum size man-way access panel with large aperture, access size 775 x 845mm.
- One-piece raised float valve housing panel complete with screened spill-over weir.



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Grp Sectional tanks- hot press moulded

Access Man-way

The Purewater one-piece man-way panel has a considerable access aperture. This ensures maximum space for ease of movement and provides the largest access hatch available in the industry 775 x 845mm.

Raised float valve housing

- Purewater sectional tanks are supplied with a one-piece raised float valve housing panel which forms part of the roof structure in the same way as a standard roof panel.
- The inspection hatch opening has the same access benefits as the standard man-way.
- All float valve housings are supplied complete with screened spill over weirs to ensure AB air gap compliance.
- All Purewater spill over weirs are shrouded to reduce light ingress, helping to prevent the growth of algae and other organisms.

Fixings

- All internal fixings are stainless steel, external fixings are either galvanised or stainless steel.

Bracing system

- Bracing where required is provided by high grade flange stiffening bars or box section steel uprights located at each vertical panel joint.
- Uprights are fixed using threaded stainless steel tie rods and further secured with angle brackets to the outside of the tank. All external steel components are hot dip galvanised.
- Our unique bracing system allows for maximum unobstructed movement within the tank, the system also providing unequalled simplicity for future cleaning operations.
- For tanks with internal divisions, Purewater use stainless steel for all and associated reinforcement to divider panels throughout.

Internal divisions

- Internal dividers can be fitted providing two compartments, enabling easy maintenance of the tanks without interruption of water supply.
- Dividers are constructed from GRP tank panels and are supported by stainless steel bracing and fixings.

Tank assembly

Assembly of Purewater sectional tanks is carried out by highly skilled engineers. A full foundation inspection is undertaken before assembly can commence.

Our engineers can fit all necessary float valves, connections and other ancillary items to the tank. Purewater will accurately install float valves ensuring correct positioning of the valve in relation to overflows and spill over screen units, thus ensuring correct air gap configuration.

Purewater guarantee to work safely, efficiently and with respect to other site workers. Our engineers will remove all related packaging and similar waste items, ensuring a clean area when the job is completed.









Additional Services:

Purewater also offer the following services:

- Site survey prior to works commencing.
- Strip out of existing tanks and equipment.
- Pre-commission cleaning and chlorination including samples and certification.
- Full commissioning of tanks and equipment.
- A comprehensive range of float valves and other connections.

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General conditions of installation - Sectional tanks



Internally flanged base tanks (IFB)

For the successful installation of Purewater internally flanged base sectional tanks the following are required:

- The foundation area must be a minimum of 450mm greater in length and width than the internal dimensions of the tank.
- The foundation must be constructed so as to be capable of supporting the tank maximum weight when full.
- The foundation must be flat, level & continuous and be no more than ±2mm over any given metre and no more than ±6mm over 6 metres in any direction.
- The foundation must be free of any local high & low spots, protrusions and any debris of any kind.

Externally flanged base tanks (EFB)

For the successful installation of Purewater externally flanged base sectional tanks the following are required:

- The supports must be concrete, brick or steel and be constructed as to be capable of supporting the tank maximum weight when full.
- Supports must run in one direction only, be maximum of 150mm wide and be at either 1000mm or 500mm centres depending on the height and configuration of the tank.
- Supports must be parallel and flat and be no more than ±2mm over any given metre and no more than ±6mm over 6 metres in any direction.
- The foundation must be free of any local high & low spots, protrusions and debris of any kind.

Access (Internally & externally flanged base tanks only)

Purewater sectional tanks require a minimum of 500mm working clearance all around the external footprint dimensions of the tank, a minimum of 500mm above the man-way height and for tanks constructed on supports, a minimum of 500mm access height to the underside of the tank.

Totally internally flanged tanks (TIF)

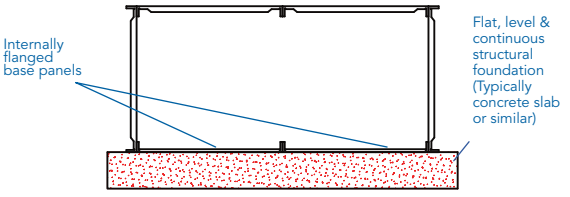
For the successful installation of Purewater totally internally flanged sectional tanks the following are required:

- The foundation area must be a minimum of 50mm greater in length and width than the external dimensions of the tank.
- The foundation must be constructed so as to be capable of supporting the tank maximum weight when full.
- The foundation must be continuous and be no more than ±2mm over any given metre and no more than ±6mm over 6 metres in any direction.
- The foundation must be free of any local high & low spots, protrusion and debris of any kind.

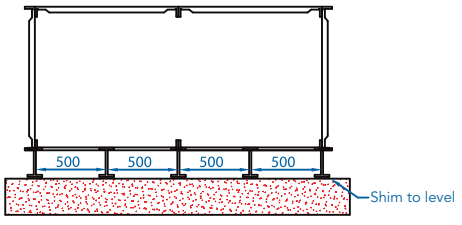
Access (totally internally flanged tanks only)

- Purewater TIF sectional tanks require a minimum of 50mm working clearance to three sides and 500mm minimum to the final side.
- A minimum of 500mm above the man-way height and a minimumof 350mm above any raised float valve housing.

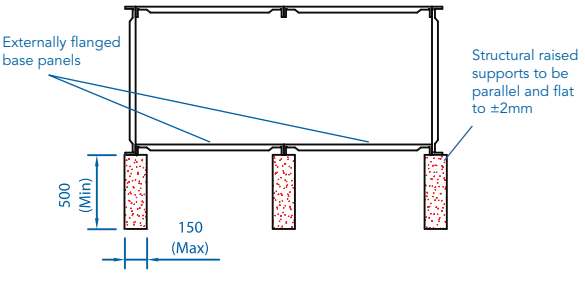
IFB & TIF Tanks



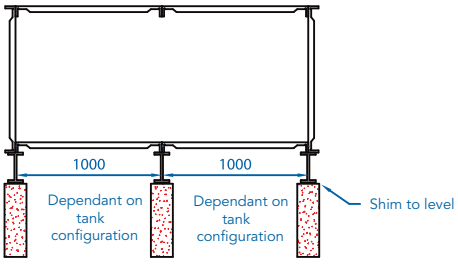
If the tolerances cannot be met with a concrete base, we can supply, position and shim the necessary steel work, providing a flat and level foundation.



EFB Tanks



If the tolerances cannot be met with the raised supports, we can supply, position and shim the necessary steel work to provide a level foundation.



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Above ground Combination units Compact range

To enable us to assit with your requirements please contact us providing the following information:

- Actual storage capacity required.
- Connection type and sizes required.
- Sive of the booster set being utilised.
- Details of any access restrictions to enable
- positioning of the unit.





A single piece self contained pump station combining the tank compartment for water storage with the dry compartment which houses the pump set and or any other equipment.

All pipework connections between the tank compartment and pump are set within the unit.

Requires only inlet, outlet and overflow and the electrical supply connecting to and from the unit, ensuring "plug and play" easy site installation.

Large lockable access door for inceased security.

Optional heavy duty galvanised steel skid to allow external positioning.

Most units can be positioned using fork lift trucks, larger units may require crane lift.

Available with AB air gap option.

Available with actual storage capacity options of 1000, 2000, 3000, 4000, 5000, or 70000 litres.

Also available our compact range with various options, please see our Above ground combination units compact range" table for sizes.

Optional items available:

- Equilibrium float valves
- Aylesbury keraflo delayed action float valve
- Frost protection
- Bulk head lighting
- Electrical consumer unit fitted with breakers, RCD



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Above ground combination units
Standard range

Product	Nominal Capacity	External dimensions	Wet compartment	Pump compartment
CU1.1000AG	1620 litres	2160 x 1960 x 1902mm high	500 x 1800 x 1800mm high	1500 x 1800 x 1800mm high
CU1.1000AB	1620 litres	2160 x 1960 x 1902mm high	500 x 1800 x 1800mm high	1500 x 1800 x 1800mm high
CU2.2000AG	3240 litres	2660 x 1960 x 1918mm high	1000 x 1800 x 1800mm high	1500 x 1800 x 1800mm high
CU2.2000AB	3240 litres	2660 x 1960 x 1918mm high	1000 x 1800 x 1800mm high	1500 x 1800 x 1800mm high
CU2.3000AG	4200 litres	2660 x 1960 x 1918mm high	1800 x 1300 x 1800mm high	1800 x 1200 x 1800mm high
CU2.3000AB	4200 litres	2660 x 1960 x 1918mm high	1800 x 1300 x 1800mm high	1800 x 1200 x 1800mm high
CU2.4000AG	5500 litres	3560 x 1960 x 1918mm high	1700 x 1800 x 1800mm high	1700 x 1800 x 1800mm high
CU3.4000AB	5500 litres	3560 x 1960 x 1918mm high	1700 x 1800 x 1800mm high	1700 x 1800 x 1800mm high
CU3.5000AG	7100 litres	3560 x 1960 x 1918mm high	2200 x 1800 x 1800mm high	1200 x 1800 x 1800mm high
CU3.5000AB	7100 litres	3560 x 1960 x 1918mm high	2200 x 1800 x 1800mm high	1200 x 1800 x 1800mm high
CU4.7000AG	10044 litres	4460 x 1960 x 1918mm high	3100 x 1800 x 1800mm high	1200 x 1800 x 1800mm high
CU4.7000AB	10044 litres	4460 x 1960 x 1918mm high	3100 x 1800 x 1800mm high	1200 x 1800 x 1800mm high

Units do not include electrical

components, wiring, pump sets, controlequipment of any kind or internal pipe work.

Units not fitted with a galvanised steel skid are suitable for positioning onto a structural pad only which should be flat, level and continuous and be +/- 2mm over the surface area.

Units not fitted with galvanised steel skid have an external height 200mm less than stated in the overall dimensions column of this page.

Pricing & specification may change. Pleasecheckforuptodateinformation



Please note...

All units are fitted with the following:

Lockable access man-way fitted to the roof of the wet compartment, a fully encapsulated ply base, rubber mats in the dry compartments.

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Above ground Combination units Compact range



Product	Nominal Capacity	External dimensions	Wet compartment	Pump compartment
CUCOMP.1000-500	500 Litres	1170 x 1170 x 1107mm high	500 x 500 x 1000mm high	500 x 500 x 1000mm high
CUCOMP.1500-500	500 Litres	1692 x 1192 x 1107mm high	500 x 1000 x 1000mm high	1000 x 1000 x 1000mm high
CUCOMP.1500-750	750 Litres	1692 x 1192 x 1123mm high	750 x 1000 x 1000mm high	750 x 1000 x 1000mm high
CUCOMP.1500-1000	1000 Litres	1692 x 1192 x 1123mm high	1000 x 1000 x 1000mm high	500 x 1000 x 1000mm high
CUCOMP.2000-500	500 Litres	2192 x 1192 x 1107mm high	500 x 1000 x 1000mm high	1500 x 1000 x 1000mm high
CUCOMP.2000-750	750 Litres	2192 x 1192 x 1123mm high	750 x 1000 x 1000mm high	1250 x 1000 x 1000mm high
CUCOMP.2000-1000	1000 Litres	2192 x 1192 x 1123mm high	1000 x 1000 x 1000mm high	1000 x 1000 x 1000mm high
CUCOMP.2501-1250	1250 Litres	2192 x 1192 x 1373mm high	1000 x 1000 x 1250mm high	1000 x 1000 x 1250mm high
CUCOMP.3000-1000	1000 Litres	3192 x 1192 x 1123mm high	1000 x 1000 x 1000mm high	2000 x 1000 x 1000mm high
CUCOMP.3000-1500	1500 Litres	3192 x 1192 x 1123mm high	1500 x 1000 x 1000mm high	1500 x 1000 x 1000mm high
CUCOMP.3000-2000	2000 Litres	3192 x 1192 x 1123mm high	2000 x 1000 x 1000mm high	1000 x 1000 x 1000mm high
CUCOMP.3001-1500	1500 Litres	2192 x 1192 x 1643mm high	1000 x 1000 x 1500mm high	1000 x 1000 x 1500mm high
CUCOMP.3636-2143	2143 Litres	2610 x 1410 x 1343mm high	1440 x 1220 x 1220mm high	1000 x 1220 x 1220mm high
CUCOMP.5625-2250	2250 Litres	2705 x 1705 x 1623mm high	1500 x 1500 x 1500mm high	1000 x 1500 x 1500mm high
CUCOMP.5625-3375	3375 Litres	2705 x 1705 x 1643mm high	1500 x 1500 x 1500mm high	1000 x 1500 x 1500mm high
CUCOMP.7500-4500	4500 Litres	2692 x 2192 x 1618mm high	1500 x 2000 x 1500mm high	1000 x 2000 x 1500mm high
CUCOMP.7500-3000	3000 Litres	2692 x 2192 x 1618mm high	1000 x 2000 x 1500mm high	1500 x 2000 x 1500mm high
CUCOMP.8000-4000	4000 Litres	2192 x 2192 x 2118mm high	1000 x 2000 x 2000mm high	1000 x 2000 x 2000mm high
CUCOMP.8000-3000	3000 Litres	2192 x 2192 x 2118mm high	750 x 2000 x 2000mm high	1250 x 2000 x 2000mm high
CUCOMP.9000-6000	6000 Litres	3192 x 2192 x 1618mm high	2000 x 2000 x 1500mm high	1000 x 2000 x 1500mm high
CUCOMP.9000-4500	4500 Litres	3192 x 2192 x 1618mm high	1500 x 2000 x 1500mm high	1500 x 2000 x 1500mm high
CUCOMP.9000-3000	3000 Litres	3192 x 2192 x 1618mm high	1000 x 2000 x 1500mm high	2000 x 2000 x 1500mm high
CUCOMP.12000-8000	8000 Litres	3192 x 2192 x 2118mm high	2000 x 2000 x 2000mm high	1000 x 2000 x 2000mm high
CUCOMP.12000-6000	6000 Litres	3192 x 2192 x 2118mm high	1500 x 2000 x 2000mm high	1500 x 2000 x 2000mm high
CUCOMP.12000-4000	4000 Litres	3192 x 2192 x 2118mm high	1000 x 2000 x 2000mm high	2000 x 2000 x 2000mm high
CUCOMP.16000-12000	12000 Litres	4164 x 2166 x 2118mm high	3000 x 2000 x 2000mm high	970 x 2000 x 2000mm high
CUCOMP.16000-10000	10000 Litres	4164 x 2166 x 2118mm high	2500 x 2000 x 2000mm high	1470 x 2000 x 2000mm high
CUCOMP.16000-8000	8000 Litres	4192 x 2166 x 2118mm high	2000 x 2000 x 2000mm high	1970 x 2000 x 2000mm high
CUCOMP.16000-6000	6000 Litres	4164 x 2166 x 2118mm high	1500 x 2000 x 2000mm high	2470 x 2000 x 2000mm high
CUCOMP.20000-16000	16000 Litres	5165 x 2166 x 2118mm high	4000 x 2000 x 2000mm high	970 x 2000 x 2000mm high
CUCOMP.20000-14000	14000 Litres	5165 x 2166 x 2118mm high	3500 x 2000 x 2000mm high	1470 x 2000 x 2000mm high
CUCOMP.20000-12000	12000 Litres	5165 x 2166 x 2118mm high	3000 x 2000 x 2000mm high	1970 x 2000 x 2000mm high
CUCOMP.20000-10000	10000 Litres	5165 x 2166 x 2118mm high	2500 x 2000 x 2000mm high	2470 x 2000 x 2000mm high
CUCOMP.20000-8000	8000 Litres	5165 x 2166 x 2118mm high	2000 x 2000 x 2000mm high	2970 x 2000 x 2000mm high
CUCOMP.20000-6000	6000 Litres	5165 x 2166 x 2118mm high	1500 x 2000 x 2000mm high	3470 x 2000 x 2000mm high

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Grp enclosures - One piece cabinets

Product	Internal Dimensions	External Dimensions
PWH501	1000 x 500 x 1000mm high	1150 x 650 x 1080mm high
PWH601	1000 x 500 x 1200mm high	1150 x 650 x 1280mm high
PWH1000	1000 x 1000 x 1000mm high	1150 x 1150 x 1080mm high
PWH1500	1500 x 1000 x 1000mm high	1650 x 1150 x 1080mm high
PWH1501	1000 x 1000 x 1500mm high	1175 x 1175 x 1530mm high
PWH1818	1220 x 1220 x 1220mm high	1370 x 1370 x 1300mm high
PWH2000	2000 x 1000 x 1000mm high	2150 x 1150 x 1080mm high
PWH2001	1000 x 1000 x 2000mm high	1150 x 1150 x 2080mm high
PWH2250	1500 x 1000 x 1500mm high	1650 x 1150 x 1580mm high
PWH2501	2000 x 1000 x 1250mm high	2150 x 1150 x 1330mm high
PWH2726	1828 x 1220 x 1220mm high	1978 x 1370 x 1300mm high
PWH3001	2000 x 1000 x 1500mm high	2150 x 1150 x 1580mm high
PWH3636	2440 x 1220 x 1220mm high	2590 x 1370 x 1300mm high
PWH4001	2000 x 1000 x 2000mm high	2150 x 1150 x 2080mm high
PWH4500	2500 x 1500 x 1200mm high	2650 x 1650 x 1280mm high
PWH5625	2500 x 1500 x 1500mm high	2650 x 1650 x 1580mm high
PWH6001	2000 x 2000 x 1500mm high	2150 x 2150 x 1580mm high
PWH7500	2500 x 2000 x 1500mm high	2650 x 2150 x 1580mm high
PWH8000	2000 x 2000 x 2000mm high	2150 x 2150 x 2080mm high
PWH9000	3000 x 2000 x 1500mm high	3150 x 2150 x 1580mm high
PWH12000	3000 x 2000 x 2000mm high	3150 x 2150 x 2080mm high



Grp composite one piece construction providing durable and cost effective protection for industrial equipment.

Features and benefits:

- One piece construction requiring no on-site assembly.
- Low maintenance, durable construction
- Lightweight, allowing easy movement and installation.
- Available in a range of external colours to allow matching with other equipment.
- Locking door with cylinder night latch.
- Supplied with 25mm encapsulated insulation as standard.
- Large range of configurations available.
- Externally flanged to allow fixing down to foundation.
- Grp enclosures offer a cost effective solution for the protection and concealment of a range of products including:
- Water storage tanks.
- Pump stations and booster sets.
- Water treatment equipment.
- Electrical equipment.
- Control equipment for the water supply and waste water industry.
- RPZ valve protection.

Quality Assurance

- Designed and built in accordance with Quality assurance system.
- Manufactured using materials of the Highest quality.

Optional fittings include:

- Louvred vents.
- Ply mounting board to suit electrical equipment.
- Frost protection.
- Electrical consumer unit.
- Bulkhead lighting.
- 240v electrical socket.
- Electrical items are fitted only and require wiring by others.

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Grand Enclosure Range

	18mm INSULATION WALL BUILD			50mm INSULATION WALL BUILD									
Product	Length (mm)	Depth (mm)	Height (mm)	Length (mm)	Depth (mm)	Height (mm)	Length (mm)	Depth (mm)	Overall Height (mm)	Lifting Eyes	Louvred Vents	Door opening 1 x double door	1 No ply mounting board
	Internal	Internal	Internal	Internal	Internal	Internal	External	External	External		300x300mm		1200x1200mm
PWHG.2x2x2	1860	1860	2000	1700	1700	2000	2075	2075	2200	4	2 No included	1600x1700mm high	Included
PWHG.2.5x2x2	2360	1860	2000	2200	1700	2000	2575	2075	2200	4	2 No included	1600x1700mm high	Included
PWHG.3x2x2	2860	1860	2000	2700	1700	2000	3075	2075	2200	4	2 No included	1600x1700mm high	Included
PWHG.4x2x2	3860	1860	2000	3700	1700	2000	4075	2075	2200	4	2 No included	1800x1700mm high	Included
PWHG.5x2x2	4860	1860	2000	4700	1700	2000	5075	2075	2200	4	2 No included	1800x1700mm high	Included
PWHG.6x2x2	5860	1860	2000	5700	1700	2000	6075	2075	2200	4	2 No included	1800x1700mm high	Included
PWHG.7x2x2	6860	1860	2000	6700	1700	2000	7075	2075	2200	4	2 No included	1800x1700mm high	Included
PWHG.8x2x2	7860	1860	2000	7700	1700	2000	8075	2075	2200	4	2 No included	1800x1700mm high	Included
PWHG.2x2.5x2	1860	2360	2000	1700	2200	2000	2075	2575	2200	4	2 No included	1600x1700mm high	Included
PWHG.2.5x2.5x2	2360	2360	2000	2200	2200	2000	2575	2575	2200	4	2 No included	1600x1700mm high	Included
PWHG.3x2.5x2	2860	2360	2000	2700	2200	2000	3075	2575	2200	4	2 No included	1600x1700mm high	Included
PWHG.4x2.5x2	3860	2360	2000	3700	2200	2000	4075	2575	2200	4	2 No included	1800x1700mm high	Included
PWHG.5x2.5x2	4860	2360	2000	4700	2200	2000	5075	2575	2200	4	2 No included	1800x1700mm high	Included
PWHG.6x2.5x2	5860	2360	2000	5700	2200	2000	6075	2575	2200	4	2 No included	1800x1700mm high	Included
PWHG.7x2.5x2	6860	2360	2000	6700	2200	2000	7075	2575	2200	4	2 No included	1800x1700mm high	Included
PWHG.8x2.5x2	7860	2360	2000	7700	2200	2000	8075	2575	2200	4	2 No included	1800x1700mm high	Included
PWHG.3x3x2	2860	2860	2000	2700	2700	2000	3075	3075	2200	4	2 No included	1600x1700mm high	Included
PWHG.4x3x2	3860	2860	2000	3700	2700	2000	4075	3075	2200	4	2 No included	1800x1700mm high	Included
PWHG.5x3x2	4860	2860	2000	4700	2700	2000	5075	3075	2200	4	2 No included	1800x1700mm high	Included
PWHG.6x3x2	5860	2860	2000	5700	2700	2000	6075	3075	2200	4	2 No included	1800x1700mm high	Included
PWHG.7x3x2	6860	2860	2000	6700	2700	2000	7075	3075	2200	4	2 No included	1800x1700mm high	Included
PWHG.8x3x2	7860	2860	2000	7700	2700	2000	8075	3075	2200	4	2 No included	1800x1700mm high	Included
PWHG.2x2x2.5	1860	1860	2500	1700	1700	2500	2075	2075	2700	4	2 No included	1600x2000mm high	Included
PWHG.2.5x2x2.5	2360	1860	2500	2200	1700	2500	2575	2075	2700	4	2 No included	1600x2000mm high	Included
PWHG.3x2x2.5	2860	1860	2500	2700	1700	2500	3075	2075	2700	4	2 No included	1600x2000mm high	Included
PWHG.4x2x2.5	3860	1860	2500	3700	1700	2500	4075	2075	2700	4	2 No included	1800x2000mm high	Included
PWHG.5x2x2.5	4860	1860	2500	4700	1700	2500	5075	2075	2700	4	2 No included	1800x2000mm high	Included
PWHG.6x2x2.5	5860	1860	2500	5700	1700	2500	6075	2075	2700	4	2 No included	1800x2000mm high	Included
PWHG.7x2x2.5	6860	1860	2500	6700	1700	2500	7075	2075	2700	4	2 No included	1800x2000mm high	Included
PWHG.8x2x2.5	7860	1860	2500	7700	1700	2500	8075	2075	2700	4	2 No included	1800x2000mm high	Included
PWHG.2x2.5x2.5	1860	2360	2500	1700	2200	2500	2075	2575	2700	4	2 No included	1600x2000mm high	Included
PWHG.2.5x2.5x2.5	2360	2360	2500	2200	2200	2500	2575	2575	2700	4	2 No included	1600x2000mm high	Included
PWHG.3x2.5x2.5	2860	2360	2500	2700	2200	2500	3075	2575	2700	4	2 No included	1600x2000mm high	Included
PWHG.4x2.5x2.5	3860	2360	2500	3700	2200	2500	4075	2575	2700	4	2 No included	1800x2000mm high	Included
PWHG.5x2.5x2.5	4860	2360	2500	4700	2200	2500	5075	2575	2700	4	2 No included	1800x2000mm high	Included
PWHG.6x2.5x2.5	5860	2360	2500	5700	2200	2500	6075	2575	2700	4	2 No included	1800x2000mm high	Included
PWHG.7x2.5x2.5	6860	2360	2500	6700	2200	2500	7075	2575	2700	4	2 No included	1800x2000mm high	Included
PWHG.8x2.5x2.5	7860	2360	2500	7700	2200	2500	8075	2575	2700	4	2 No included	1800x2000mm high	Included

Grp composite one piece construction providing durable and cost effective protection for industrial equipment, requiring no on site assembly.

- Low maintenance, durable construction.
- Locking door with cylinder night latch.
- Large range of configurations available.
- Available in a range of external colours to allow matching with other equipment.
- Supplied with either 18mm or 50mm encapsulated insulation.
- Internally flanged to allow fixing down to foundation.

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Grand Enclosure Range

	18mm INSULATION WALL BUILD			50mm INSULATION WALL BUILD									
Product	Length (mm)	Depth (mm)	Clear Height (mm)	Length (mm)	Depth (mm)	Clear Height (mm)	Length (mm)	Depth (mm)	Clear Height (mm)	Lifting Eyes	Louvred Vents	Door opening 1 x double door	1 No ply mounting board
	Internal	Internal	Internal	Internal	Internal	Internal	External	External	External		300x300mm		1200x1200mm
PWHG.3x3x2.5	2860	2860	2500	2700	2700	2500	3075	3075	2700	4	2 No included	1800x2000mm high	Included
PWHG.4x3x2.5	3860	2860	2500	3700	2700	2500	4075	3075	2700	4	2 No included	1800x2000mm high	Included
PWHG.5x3x2.5	4860	2860	2500	4700	2700	2500	5075	3075	2700	4	2 No included	1800x2000mm high	Included
PWHG.6x3x2.5	5860	2860	2500	5700	2700	2500	6075	3075	2700	4	2 No included	1800x2000mm high	Included
PWHG.7x3x2.5	6860	2860	2500	6700	2700	2500	7075	3075	2700	4	2 No included	1800x2000mm high	Included
PWHG.8x3x2.5	7860	2860	2500	7700	2700	2500	8075	3075	2700	4	2 No included	1800x2000mm high	Included
PWHG.2x2x3	1860	1860	3000	1700	1700	3000	2075	2075	3200	4	2 No included	1600x2000mm high	Included
PWHG.2.5x2x3	2360	1860	3000	2200	1700	3000	2575	2075	3200	4	2 No included	1600x2000mm high	Included
PWHG.3x2x3	2860	1860	3000	2700	1700	3000	3075	2075	3200	4	2 No included	1600x2000mm high	Included
PWHG.4x2x3	3860	1860	3000	3700	1700	3000	4075	2075	3200	4	2 No included	1800x2000mm high	Included
PWHG.5x2x3	4860	1860	3000	4700	1700	3000	5075	2075	3200	4	2 No included	1800x2000mm high	Included
PWHG.6x2x3	5860	1860	3000	5700	1700	3000	6075	2075	3200	4	2 No included	1800x2000mm high	Included
PWHG.7x2x3	6860	1860	3000	6700	1700	3000	7075	2075	3200	4	2 No included	1800x2000mm high	Included
PWHG.8x2x3	7860	1860	3000	7700	1700	3000	8075	2075	3200	4	2 No included	1800x2000mm high	Included
PWHG.2x2.5x3	1860	2360	3000	1700	2200	3000	2075	2575	3200	4	2 No included	1600x2000mm high	Included
PWHG.2.5x2.5x3	2360	2360	3000	2200	2200	3000	2575	2575	3200	4	2 No included	1600x2000mm high	Included
PWHG.3x2.5x3	2860	2360	3000	2700	2200	3000	3075	2575	3200	4	2 No included	1600x2000mm high	Included
PWHG.4x2.5x3	3860	2360	3000	3700	2200	3000	4075	2575	3200	4	2 No included	1800x2000mm high	Included
PWHG.5x2.5x3	4860	2360	3000	4700	2200	3000	5075	2575	3200	4	2 No included	1800x2000mm high	Included
PWHG.6x2.5x3	5860	2360	3000	5700	2200	3000	6075	2575	3200	4	2 No included	1800x2000mm high	Included
PWHG.7x2.5x3	6860	2360	3000	6700	2200	3000	7075	2575	3200	4	2 No included	1800x2000mm high	Included
PWHG.8x2.5x3	7860	2360	3000	7700	2200	3000	8075	2575	3200	4	2 No included	1800x2000mm high	Included
PWHG.3x3x3	2860	2860	3000	2700	2700	3000	3075	3075	3200	4	2 No included	1800x2000mm high	Included
PWHG.4x3x3	3860	2860	3000	3700	2700	3000	4075	3075	3200	4	2 No included	1800x2000mm high	Included
PWHG.5x3x3	4860	2860	3000	4700	2700	3000	5075	3075	3200	4	2 No included	1800x2000mm high	Included
PWHG.6x3x3	5860	2860	3000	5700	2700	3000	6075	3075	3200	4	2 No included	1800x2000mm high	Included
PWHG.7x3x3	6860	2860	3000	6700	2700	3000	7075	3075	3200	4	2 No included	1800x2000mm high	Included
PWHG.8x3x3	7860	2860	3000	7700	2700	3000	8075	3075	3200	4	2 No included	1800x2000mm high	Included



Grp enclosures offer a cost effective solution for the protection and concealment of a range of products including:

- Water storage tanks.
- Pump stations and booster sets.
- Water treatment equipment.
- Electrical equipment.
- Control equipment for the water supply and waste water industry.
- RPZ valve protection.

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Underground Potable water tanks

Our underground potable water tanks are purpose-built GRP (Glass reinforced plastic) containers designed to safely store drinking-quality water for domestic, commercial and industrial use.

Manufactured from food-grade, non-toxic materials, these tanks ensure the integrity and purity of stored water over time.

Their cylindrical design offers superior structural strength and efficient space utilisation, while features such as smooth internal surfaces help prevent contamination and bacterial growth.



Product code	Nominal Capacity	Dimensions
	Litres	Diameter x Length
PU-P-1000-HVY	1000 Litres	1000mm x 1500mm
PU-P-1500-HVY	1500 Litres	1000mm x 2000mm
PU-P-2000-HVY	2000 Litres	1250mm x 2000mm
PU-P-2500-HVY	2500 Litres	1250mm x 2400mm
PU-P-3000-HVY	3000 Litres	1250mm x 2850mm
PU-P-3500-HVY	3500 Litres	1250mm x 3300mm
PU-P-4500-HVY	4500 Litres	1250mm x 4200mm
PU-P-5000-HVY	5000 Litres	1500mm x 3050mm
PU-P-6000-HVY	6000 Litres	1850mm x 2700mm
PU-P-8000-HVY	8000 Litres	1850mm x 3470mm
PU-P-10000-HVY	1000 Litres	1850mm x 4230mm
PU-P-12000-HVY	12000 Litres	1850mm x 5070mm
PU-P-15000-HVY	15000 Litres	1850mm x6200mm
PU-P-18000-HVY	18000 Litres	2500mm x 4200mm
PU-P-20000-HVY	20000 Litres	2500mm x 4800mm
PU-P-25000-HVY	25000 Litres	2500mm x 5540mm
PU-P-30000-HVY	30000 Litres	2500mm x 6550mm
PU-P-35000-HVY	35000 Litres	2500mm x 7600mm
PU-P-40000-HVY	40000 Litres	2500mm x 8600mm
PU-P-45000-HVY	45000 Litres	2500mm x 10000mm
PU-P-50000-HVY	50000 Litres	2500mm x 11000mm

Are you worried about maintaining the tank?
Well, GRP is incredibly low maintenance. It is resistant to biological growth and requires much less cleaning, allowing you to save on operational costs.

Applications:

- Suitable for domestic,industrial and commercial applications where high strength and durability are needed.
- Environments where tanks are exposed to harsh conditions

Features and benefits:

- Manufactured using WRAS approved Materials.
- Capacity's 1000 - 50,000 Litres

Optional items available:

- Standard and heavy duty specification Available.
- Full range of connections including inlet, outlet, level gauges and more
- Additional Turrets
- Sump boxes
- Ladders
- Dividing walls
- Pumps
- Maintenance packages
- Cleaned out prior to despatch (pipework and manways sealed prior to despatch). and much more...

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Underground Fire water tanks



Constructed from durable GRP (Glass Reinforced Plastic), our underground fire water tanks are designed to withstand the demanding conditions of firefighting.

These tanks can be strategically deployed in locations where conventional water access is limited or unavailable, such as remote areas, industrial sites, commercial properties and rural settings.

This strategic placement ensures a reliable water supply for firefighting operations even in infrastructure-limited regions.

Product code	Nominal Capacity	Dimensions
	Litres	Diameter x Length
PU-F-1000-HVY	1000 Litres	1000mm x 1500mm
PU-F-1500-HVY	1500 Litres	1000mm x 2000mm
PU-F-2000-HVY	2000 Litres	1250mm x 2000mm
PU-F-2500-HVY	2500 Litres	1250mm x 2400mm
PU-F-3000-HVY	3000 Litres	1250mm x 2850mm
PU-F-3500-HVY	3500 Litres	1250mm x 3300mm
PU-F-4500-HVY	4500 Litres	1250mm x 4200mm
PU-F-5000-HVY	5000 Litres	1500mm x 3050mm
PU-F-6000-HVY	6000 Litres	1850mm x 2700mm
PU-F-8000-HVY	8000 Litres	1850mm x 3470mm
PU-F-10000-HVY	10,000 Litres	1850mm x 4230mm
PU-F-12000-HVY	12,000 Litres	1850mm x 5070mm
PU-F-15000-HVY	15,000 Litres	1850mm x6200mm
PU-F-18000-HVY	18,000 Litres	2500mm x 4200mm
PU-F-20000-HVY	20,000 Litres	2500mm x 4800mm
PU-F-25000-HVY	25,000 Litres	2500mm x 5540mm
PU-F-30000-HVY	30,000 Litres	2500mm x 6550mm
PU-F-35000-HVY	35,000 Litres	2500mm x 7600mm
PU-F-40000-HVY	40,000 Litres	2500mm x 8600mm
PU-F-45000-HVY	45,000 Litres	2500mm x 10000mm
PU-F-50000-HVY	50,000 Litres	2500mm x 11000mm
PU-F-60000-HVY	60,000 Litres	2500mm x 13000mm
PU-F-70000-HVY	70,000 Litres	3000mm x 10400mm
PU-F-80000-HVY	80,000 Litres	3000mm x 11820mm
PU-F-90000-HVY	90,000 Litres	3000mm x 13230mm
PU-F-100000-HVY	100,000 Litres	3000mm x 14650mm
PU-F-110000-HVY	110,000 Litres	3000mm x 16060mm
PU-F-120000-HVY	120,000 Litres	3000mm x 17480mm
PU-F-130000-HVY	130,000 Litres	3000mm x 18890mm
PU-F-150000-HVY	150,000 Litres	3000mm x 21720mm

Applications:

- Suitable for firefighting applications
- Emergency water reserves
- Sprinkler systems
- Fire suppression systems
- Fire hydrants

Features and benefits:

- Designed to meet specific fire codes and sprinkler system requirements
- Capacity's 1000 - 150,000 Litres

Optional items available:

- Standard and heavy duty specification available
- Full range of connections including inlet, outlet, level gauges and more
- Anti Vortex plate
- Additional Turrets
- Sump boxes
- Ladders
- Dividing walls
- Pumps
- Maintenance packages
- Cleaned out prior to despatch

(Pipework and manways sealed prior to despatch).
and much more...

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Underground Rainwater harvesting tanks

Underground rainwater harvesting tanks are engineered storage solutions designed to efficiently collect, store and preserve rainwater for various applications.

These tanks offer optimal resistance to corrosion and biological contamination.

Their cylindrical shape ensures structural stability and efficient water circulation, minimising sediment buildup.



Product code	Nominal Capacity	Dimensions
	Litres	Diameter x Length
PU-R-1000-HVY	1000 Litres	1000mm x 1500mm
PU-R-1501-HVY	1500 Litres	1250mm x 1250mm
PU-R-1500-HVY	1500 Litres	1000mm x 2000mm
PU-R-2000-HVY	2000 Litres	1250mm x 2000mm
PU-R-2500-HVY	2500 Litres	1250mm x 2400mm
PU-R-3000-HVY	3000 Litres	1250mm x 2850mm
PU-R-3500-HVY	3500 Litres	1250mm x 3300mm
PU-R-4500-HVY	4500 Litres	1250mm x 4200mm
PU-R-5000-HVY	5000 Litres	1500mm x 3050mm
PU-R-6000-HVY	6000 Litres	1850mm x 2700mm
PU-R-8000-HVY	8000 Litres	1850mm x 3470mm
PU-R-10000-HVY	10,000 Litres	1850mm x 4230mm
PU-R-12000-HVY	12,000 Litres	1850mm x 5070mm
PU-R-15000-HVY	15,000 Litres	1850mm x6200mm
PU-R-18000-HVY	18,000 Litres	2500mm x 4200mm
PU-R-20000-HVY	20,000 Litres	2500mm x 4800mm
PU-R-25000-HVY	25,000 Litres	2500mm x 5540mm
PU-R-30000-HVY	30,000 Litres	2500mm x 6550mm
PU-R-35000-HVY	35,000 Litres	2500mm x 7600mm
PU-R-40000-HVY	40,000 Litres	2500mm x 8600mm
PU-R-45000-HVY	45,000 Litres	2500mm x 10000mm
PU-R-50000-HVY	50,000 Litres	2500mm x 11000mm
PU-R-60000-HVY	60,000 Litres	2500mm x 13000mm
PU-R-70000-HVY	70,000 Litres	3000mm x 10400mm
PU-R-80000-HVY	80,000 Litres	3000mm x 11820mm
PU-R-90000-HVY	90,000 Litres	3000mm x 13230mm
PU-R-100000-HVY	100,000 Litres	3000mm x 14650mm
PU-R-110000-HVY	110,000 Litres	3000mm x 16060mm
PU-R-120000-HVY	120,000 Litres	3000mm x 17480mm
PU-R-130000-HVY	130,000 Litres	3000mm x 18890mm
PU-R-150000-HVY	150,000 Litres	3000mm x 21720mm

Applications:

- Plant washes
- Truck and train washes
- Process water
- Toilet flushing
- Irrigation
- Car washing

Features and benefits:

- Easy to install, with minimal on-site installation time
- Capacity's 1000 - 150,000 Litres
- 110mm calmed inlet and overflow fitted as standard, other sizes are available on request

Optional items available:

- Standard and heavy duty specification available
- Additional Turrets
- Sump boxes
- Ladders
- Dividing walls
- Pumps
- Maintenance packages
- Cleaned out prior to despatch (pipework and manways sealed prior to despatch).

and much more...

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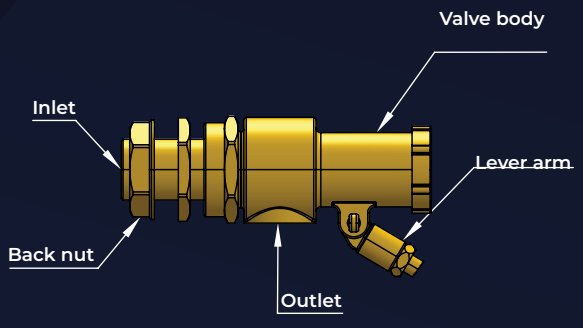
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Pegler 901 Equilibrium float valves

The range of high flow rate Equilibrium float valves are simple, robust and can reliably self-compensate for changes in water supply pressures.

Valves are available in 1/2" to 4" sizes with BSP male threaded tail.

Pegler 901 Equilibrium Float Valve with BSP Male threaded inlet



Technical assistance

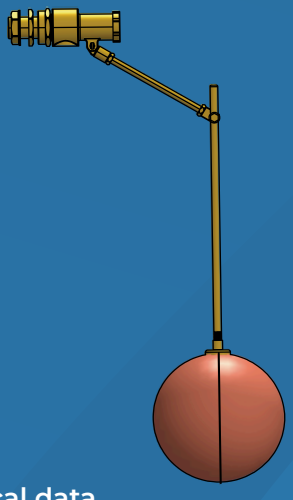
For further technical data, product specifications and general information please contact our customer service department at the telephone number shown
below.

Safety

As with all industrial products, it is important to take adequate safety precautions such as the use of adequate protective clothing like gloves, overalls, eye protection and safety footwear during installation, use and maintenance of this product.

Benefits

- The 901 range suit pressures up to 10 bar whilst still maintaining a fast, quiet and smooth closing action.
- Male BSP threaded tail to allow connection to most pipework types.
- The body of the valve is made from corrosion immune Gunmetal, giving years of trouble free service.
- Design and selection of materials gives high strength for installation, operation and corrosion resistance for long life.



Technical data

Pressure: Working: 10bar

Integral full bore seat gives full high flow rates.

The pressure stated above apply with water temperatures up to 20°C

Temperature: up to 85°

Temperature increases may affect the installed life of the product.

For further information relating to operating temperatures please contact our customer service department on the telephone number shown below.

Materials:

Body:	Gunmetal
Lever arm:	Brass
Lever arm claw:	Gunmetal
Ball Float:	Copper
Back nut:	Gunmetal

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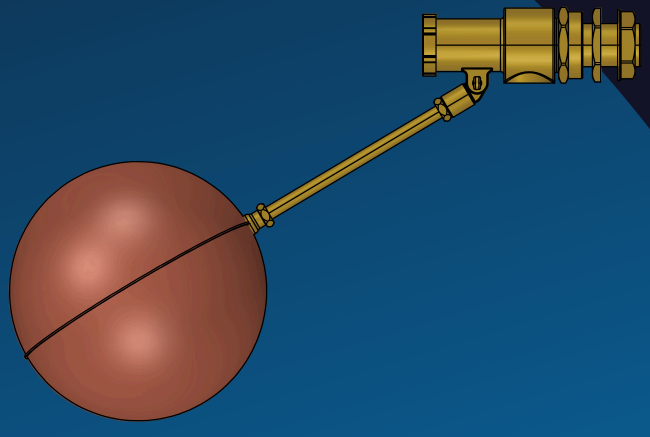
Pegler 901 Equilibrium float valves

Product code	FVEQ.15.LO	FVEQ.22.LO	FVEQ.28.LO	FVEQ.35.LO	FVEQ.42.LO	FVEQ.50.LO	FVEQ.65.LO	FVEQ.80.LO	FVEQ.100.LO
Product code with drop arm	FVEQ.15.DA.LO	FVEQ.22.DA.LO	FVEQ.28.DA.LO	FVEQ.35.DA.LO	FVEQ.42.DA.LO	FVEQ.50.DA.LO	FVEQ.65.DA.LO	FVEQ.80.DA.LO	FVEQ.100.DA.LO
Valve size	1/2"	3/4"	1"	1.1/4"	1.1/2"	2"	2.1/2"	3"	4"
Arm thread	5/16"	5/16"	7/16"	9/16"	9/16"	5/8"	9/16"	3/4"	3/4"
Float diameter	4.1/2"	6"	8"	10"	10"	12"	12"	15"	15"
Length of drop arm	13"	13"	18"	21"	21"	24"	21"	24"	24"

The Pegler 901 Equilibrium float valve is available in sizes 1/2" to 4" and is primarily designed for use at pressures of up to 10bar Supplied with male BSP tail.

Notes:

- To conform with the current UK anti-back siphonage requirements no provision is made for the attachment of a silencing pipe to the outlet.
- These valves must be fitted with a copper ball float using a lightweight plastic float may impair the action of the valve.
- These fittings are designed for the conveyance of cold potable water. No warranty is given that the fittings are suitable for any other purpose.



FLOW RATE & SIZE SELECTION CHART - GALLONS PER MINUTE

Static Pressure		901 - Float valve size									
BAR	PSI	1/2"	3/4"	1"	1.1/4"	1.1/2"	2"	2.1/2"	3"	4"	6"
0.5	7.2	4.9	12.5	28.0	50.0	70.0	110.0	250.0	310.0	450.0	800.0
1.0	14.5	6.9	17.7	38.0	71.0	100.0	150.0	350.0	440.0	630.0	1130.0
1.5	21.7	8.4	21.7	48.0	87.0	120.0	190.0	430.0	540.0	770.0	1380.0
2.0	29.0	9.7	25.0	55.0	100.0	140.0	220.0	500.0	620.0	890.0	1600.0
2.5	36.2	10.9	28.0	62.0	112.0	150.0	250.0	560.0	690.0	1000.0	1780.0
3.0	43.5	11.9	31.0	68.0	122.0	170.0	270.0	610.0	760.0	1100.0	1950.0
4.0	58.0	13.8	35.0	80.0	142.0	190.0	320.0	710.0	880.0	1270.0	2250.0
5.0	72.0	15.3	39.0	88.0	157.0	220.0	350.0	790.0	980.0	1400.0	2500.0
6.0	87.0	16.8	43.0	96.0	173.0	240.0	380.0	870.0	1070.0	1550.0	2750.0
7.0	101.0	18.2	46.0	104.0	186.0	260.0	420.0	940.0	1160.0	1670.0	2950.0
8.0	116.0	19.5	50.0	110.0	200.0	280.0	440.0	1000.0	1250.0	1800.0	3200.0
9.0	130.0	20.7	53.0	118.0	212.0	300.0	470.0	1060.0	1320.0	1900.0	3400.0
10.0	145.0	21.7	56.0	125.0	223.0	315.0	500.0	1120.0	1390.0	2000.0	3550.0
11.0	159.0	22.8	59.0	130.0	NOT SUITABLE FOR PRESSURES ABOVE 10 BAR						
12.0	174.0	23.8	61.0	136.0							
13.0	188.0	24.9	64.0	142.0							
14.0	203.0	25.7	66.0	148.0							

Flow Rate and Size Selection Chart general notes:

The discharge through a float valve is governed by the running pressure maintained at its inlet. In practice this is difficult to measure and so the tables shown indicate the 'estimated' flow rate in gallons per minute that will occur at various static heads for each size of float valve or for each size of seat in float valves that accept a variety of seat sizes. The flow rates quoted will only occur when the float valve is fully open and will reduce as the water level in the tank rises. Excessive pipe runs to the float valve will result in lower running pressures and thus reduced flow rates.

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Keraflo flow rate chart

KERAFLO®

Standard valves
FLOW RATE FOR NOMINAL INCH (mm) VALVE SIZE AT STATED FLOW PRESSURE

Flow Pressure	K TYPE		K, KAX & KB TYPE						KB TYPE		K, KAX & KB TYPE				K, KAX & KB TYPE (K & KAX TYPE special order only)					
	½" {15}	v15	¾" {20}	v22	1" {25}	v28	1¼" {32}	v35	1½"SF {40SF}	v42	1½"HF {40HF}	v42	2"SF {50SF}	v54	2"HF {50HF}	v54	2½"SF {65SF}	v67	3'RB {80RB}	v76.1
BAR	l/s	m/s	l/s	m/s	l/s	m/s	l/s	m/s	l/s	m/s	l/s	m/s	l/s	m/s	l/s	m/s	l/s	m/s	l/s	m/s
0.05	0.06	0.41	0.09	0.28	0.18	0.33	0.27	0.33	0.27	0.22	0.64	0.52	0.67	0.32	1.21	0.58	1.27	0.39	1.34	0.31
0.10	0.08	0.55	0.13	0.39	0.25	0.47	0.38	0.46	0.38	0.31	0.90	0.73	0.95	0.45	1.71	0.62	1.80	0.55	1.90	0.45
0.25	0.13	0.91	0.20	0.62	0.40	0.74	0.61	0.73	0.61	0.49	1.43	1.16	1.50	0.72	2.70	1.29	2.85	0.87	3.00	0.70
0.50	0.19	1.29	0.28	0.65	0.56	1.04	0.86	1.03	0.86	0.70	2.02	1.64	2.12	1.02	3.82	1.63	4.03	1.23	4.25	1.00
1.00	0.26	1.82	0.40	1.24	0.79	1.47	1.22	1.46	1.22	0.99	2.85	2.32	3.00	1.44	5.40	2.58	5.70	1.74	6.00	1.41
1.50	0.32	2.23	0.49	1.52	0.97	1.60	1.49	1.79	1.49	1.21	3.49	2.64	3.68	1.76	6.62	3.17	6.98	2.13	7.35	1.72
2.00	0.37	2.58	0.56	1.75	1.12	2.08	1.72	2.06	1.72	1.40	4.03	3.28	4.25	2.03	7.64	3.65	8.06	2.46	8.49	1.99
3.00	0.46	3.16	0.69	2.15	1.38	2.55	2.11	2.52	2.11	1.71	4.94	4.01	5.2	2.49	9.36	4.46	9.88	3.01	10.40	2.44
4.00	0.53	3.64	0.79	2.48	1.59	2.95	2.43	2.92	2.43	1.98	5.70	4.63	6.00	2.87	10.81	5.17	11.40	3.48	12.01	2.82
5.00	0.59	4.07	0.89	2.77	1.78	3.29	2.72	3.26	2.72	2.21	6.38	5.16	6.71	3.21	12.08	5.76	12.75	3.69	13.43	3.15
6.00	0.65	4.46	0.97	3.04	1.95	3.61	2.98	3.57	2.98	2.42	6.99	5.67	7.35	3.52	13.24	6.33	13.97	4.26	14.71	3.45
8.00	0.75	5.15	1.12	3.51	2.25	4.17	3.44	4.12	3.44	2.79	8.07	6.55	8.49	4.06	15.29	7.31	16.13	4.92	16.98	3.96
10.00	0.84	5.76	1.26	3.92	2.51	4.66	3.85	4.61	3.85	3.12	9.02	7.32	9.49	4.54	17.09	8.17	18.03	5.50	18.99	4.45
Kv m³/hr	0.95		1.43		2.86		4.38		4.38		10.27		10.81		19.46		20.53		21.62	

V Velocity of water flowing in corresponding copper pipe (mm) at stated flow rate

Velocity < 2 m/s

Velocity > 2 m/s < 3 m/s

Velocity > 3 m/s

SF Standard flow

HF High flow. Recommended for pumped systems.

RB Reduced bore.

Conversion factors

Litres per second to cubic metres per hour		x 3.6
Litres per second to cubic metres per minute		x 0.06
Litres per second to gallons per hour		x 791.9
Litres per second to gallons per minute		x13.2
Pressure:	Bar to pounds per square inch	x 14.5
	Bar to pascal	x 100,000
	Bar to metres	x 10.2

Aylesbury DZR Brass Valves are suitable for most cold water storage tanks. Aylesbury Stainless steel valves are especially designed for use with sea water, de-mineralised water, brine solutions.

Water treatment and process applications.

Please note the following:

- Raised valve chambers: Use KB and KAX Types: (K-type valves are not normally suited for raised valve chambers).
- Operating space: Check for sufficient clearance.
- Overflowing/Warning pipes: Pipe (where fitted). Check the position of the overflow and warning.
- Turbulent water: Exceptionally turbulent waters, eg: cooling towers, should be avoided directly beneath the float. Calming measures such as baffle plates, still ponds etc, should be Implemented.
- Flanged tanks: The design of Aylesbury valves allows sufficient clearance between the float and most internal tank flanges and ribs, the tail back-nuts may be adjusted to clear larger flanges, provided a minimum of 20mm is observed between the float and tank wall throughout the arc of the float.
- Round tanks: Contact Keraflo for detailed information.
- Sloping tank wall: The wall to which the Aylesbury valve is to be attached must be vertical. If the wall around the fixing hole is sloped, tapered washers must be used. These are generally from the tank supplier.
- Pipe work support: Aylesbury valves create virtually no tank wall stress. Additional pipework support is therefore unnecessary provided the code of practice for the support of pipework in general is met.
- Service valve: In the UK a servicing valve must be fitted as near as is reasonably practicable to any float operated valve. A service valve incorporating a particle strainer is highly recommended. These are available direct from Keraflo Ltd.

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Screened Overflows

Available as: Direct to tank fitting for new & existing tanks
In-line to suit fitting within or as an end addition to existing pipework

Product code	Size	Material	Fit to Pipework
Screened Overflows - to suit tank body			
R30	22mm (or 3/4")	HDPE	Compression
R30E (extended)	22mm (or 3/4")	HDPE	Compression
H28	28mm (or 1")	HDPE	Compression
R40	35mm (or 1.1/4")	HDPE	Compression
R40E (extended)	35mm (or 1.1/4")	HDPE	Compression
R45	42mm (or 1.1/2")	HDPE	Compression
R45E (extended)	42mm (or 1.1/2")	HDPE	Compression
R54	54mm (or 2")	HDPE	Compression
R67	67mm (or 2.1/2")	PVC	2.1/2" Female plain socket
R80	80mm (or 3")	PVC	3" Female plain socket
R100	100mm (or 4")	PVC	4" Female plain socket
R150	150mm (or 6")	PVC	6" BSP Female
R200	200mm (or 8")	PVC	8" BSP Female
In-line Screen units to suit existing pipework - compression fitment			
RWILF.LO	22mm (or 3/4")	HDPE	Compression
HWILF.LO	28mm (or 1")	HDPE	Compression
SWILF.LO	35mm (or 1.1/4")	HDPE	Compression
TWILF.LO	42mm (or 1.1/2")	HDPE	Compression
ZWILF.LO	54mm (or 2")	HDPE	Compression
In-line Screen units to suit existing pipework - EPDM sleeve fitment			
ILSP67.LO	67mm (or 2.1/2")	PVC	EPDM sleeve fit-over
ILSP80.LO	76mm (or 3")	PVC	EPDM sleeve fit-over
ILSP100.LO	100mm (or 4")	PVC	EPDM sleeve fit-over



- Screened overflows to suit new and existing tanks.
- The fitting of correctly sized screened overflows ensures that the new tanks comply with current water regulations and can be used to help existing tanks achieve compliance.
- The standard overflow range are suitable for fitting to the wall of the tank.
- For retro-fit screens to fit within existing pipework also see our in-line screen units.
- Ranges are available for copper & thin wall plastic pipework and also for galvanised steel pipework with either sleeved joiner to slip over the pipework or flanges to bolt within the pipework.
- All screen mesh elements are removable to allow inspection and cleaning.





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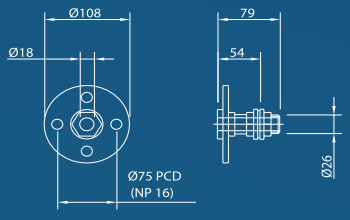
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Tank connectors -PVC backnut type

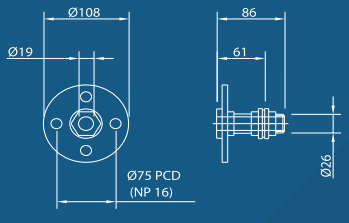


1/2" BN PVC Tank Connector c/w flange NP16 Backing ring - FTCBN.0.5



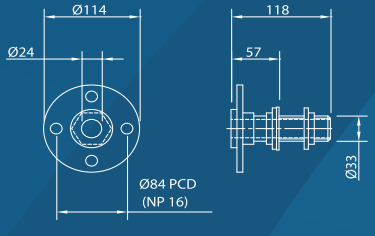


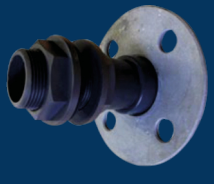
3/4" BN PVC Tank Connector c/w flange NP16 Backing ring - FTCBN.0.75



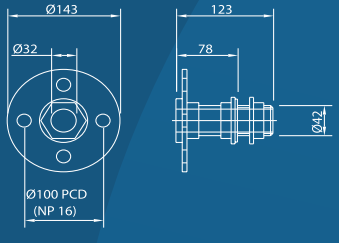


1" BN PVC Tank Connector c/w flange NP16 Backing ring - FTCBN.1.0



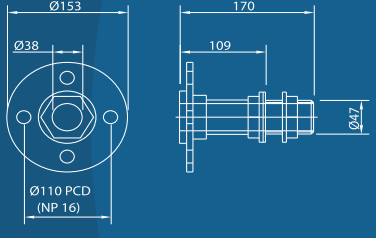


1.1/4" BN PVC Tank Connector c/w flange NP16 Backing ring - FTCBN.1.25





1.1/2" BN PVC Tank Connector c/w flange NP16 Backing ring - FTCBN.1.5



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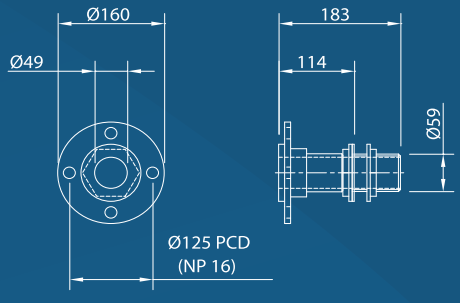
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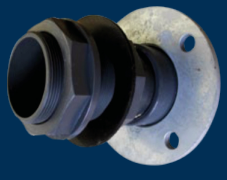
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Tank connectors - PVC backnut type

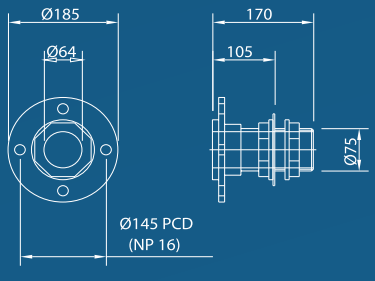


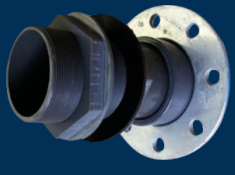
2” BN PVC Tank Connector c/w flange NP16 Backing ring - FTCBN.2.0



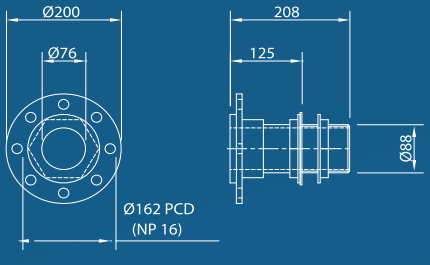


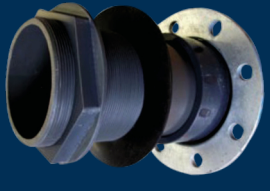
2.1/2” BN PVC Tank Connector c/w flange NP16 Backing ring - FTCBN.2.5



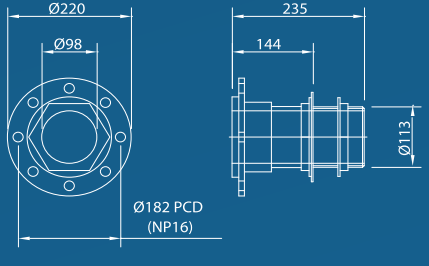


3” BN PVC Tank Connector c/w flange NP16 Backing ring - FTCBN.3.0





4” BN PVC Tank Connector c/w flange NP16 Backing ring - FTCBN.4.0



Standard duty back-nut type flanged connectors manufactured from PVC which are fitted to the tank with a hexagon nut inside and outside the tank wall. This type of tank connector is suitable for most applications.

The range is available from ½” up to and including 4”.

All supplied complete with EPDM gasket, stub flange and galvanised steel backing ring, drilled to NP16 configuration.

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Tank connectors - PVC Fully flanged type

Heavy duty fully flanged type manufactured from PVC which are fitted to the tank with a fixed external flange and bolt-up internal flange.

These are secured to the tank wall with M12 stainless steel fixings.

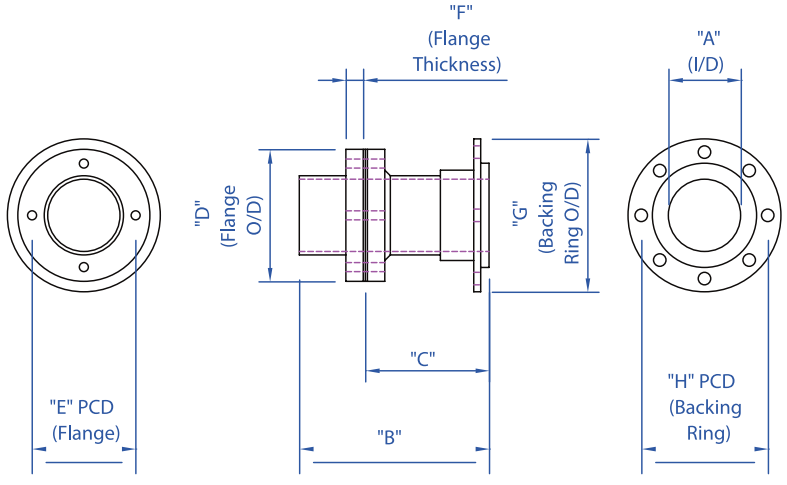
Fixings and sealant are supplied. This type of tank connector enables a more secure seal to the tank wall and is suitable for more industrial applications.

The range is available from 1" up to and including 8".

All supplied complete with EPDM gasket, stub flange and galvanised steel backing ring drilled to NP16 configuration.

All stub flanges are plastic welded.





"A" (I/D)	"B"	"C"	"D" Flange O/D	"E" Flange PCD	No. of Flange Holes	"F" Flange Thick - ness	"G" Backing Ring O/D	"H" Backing Ring PCD	No. of Backing Ring Holes
1"	180mm	108mm	110mm	70mm	4	18mm	115mm	85mm	4
1.1/4"	205mm	123mm	120mm	80mm	4	20mm	140mm	100mm	4
1.1/2"	205mm	123mm	125mm	85mm	4	20mm	150mm	110mm	4
2"	230mm	143mm	140mm	100mm	4	20mm	165mm	125mm	4
2.1/2"	255mm	158mm	152mm	114mm	4	25mm	185mm	145mm	4
3"	255mm	158mm	165mm	126mm	4	25mm	200mm	160mm	8
4"	270mm	173mm	195mm	155mm	4	25mm	220mm	180mm	8
5"	275mm	178mm	225mm	182mm	8	25mm	250mm	210mm	8
6"	295mm	198mm	250mm	210mm	8	25mm	285mm	240mm	8
8"	315mm	218mm	300mm	260mm	8	25mm	340mm	295mm	12

Other sizes are available please contact our technical team for more information.

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BSP Male / Female tank connectors

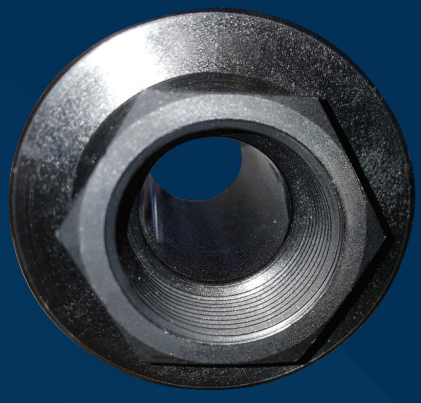
A range of unique BSP tank connectors which have both male and female threaded ends.

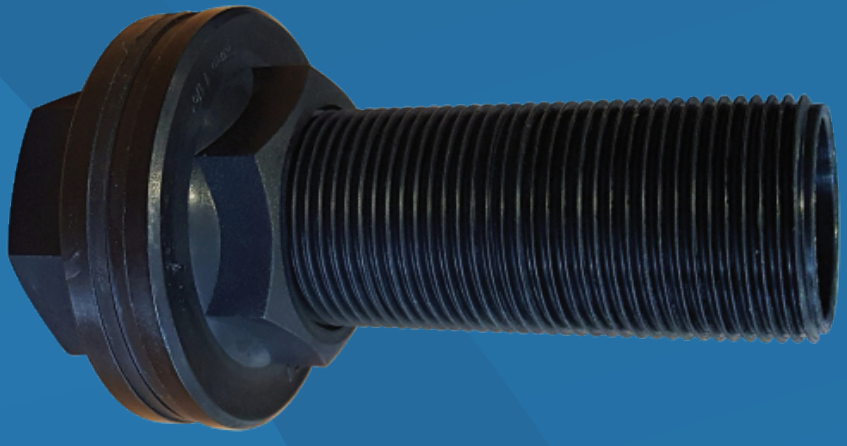
Suitable for a variety of BSP male and female connectors and adaptors which utilise a BSP thread.

Easy to fit and very durable,manufactured from UV stabilised high quality glass fibre reinforced nylon providing weather, fungi and bacterial resistance.

Supplied with sealing washers.

Available in a comprehensive range from 1/2" to 2".





A simple and cost effective connection type which is suitable for a vast range of applications including:

- Outlet connections.
- Drain connections.
- Level control equipment.
- Temperature monitoring equipment.

and all other male threaded pipework, fittings and adaptors...

Product code	Description
BSPTC 0.5.LO	1/2" BSP Female tank connector type 2
BSPTC 0.75.LO	3/4" BSP Female tank connector type 2
BSPTC 1.LO	1" BSP Female tank connector type 2
BSPTC 1.25.LO	1.1/4" BSP Female tank connector type 2
BSPTC 1.5.LO	1.1/2" BSP Female tank connector type 2
BSPTC 2.LO	2" BSP Female tank connector type 2

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PT100 Temperature sensor

Stem	
Material	316 Stainless steel
Size	6mm OD x 100mm long
Tip	Welded
Tube tolerance	±0.1mm
Insulation	Mineral Insulated

Lead	
No. Cores	3
Stranding	7 / 0.2mm
Core material	Copper
Core insulation	PVC (1x red, 2 x white)
Jacket insulation	Black PVC
Temp range	-10° Cto +105 ° C
Length	2m
Tails	75m with crimp termination

Process Connection	
Type	1/2" BSP Male thread
Material	316 Stainless steel
Thread length	12mm
Hex size	28mm AF x 11.6mm thick

Platinum Resistance Element	
Type	Thin Film PT100 Class B
P/No.	EF-1632-100-B
Size	1.6mm x 3.2mm
Specification	BSEN60751
Temp range	-40° C to +400° C



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Sight level glass

A cost effective level indicator which fits to the tank wall in a vertical position.

Manufactured from PVC components with a clear PVC sight tube to enable the visual monitoring of water level within the tank.

Suitable for cold water storage tanks at atmospheric pressure.

The simple construction of the product, utilising threaded union connections, enables the tube to be isolated from the lower

connection and removed for cleaning (subject to the water levelbeing below the upper connection).

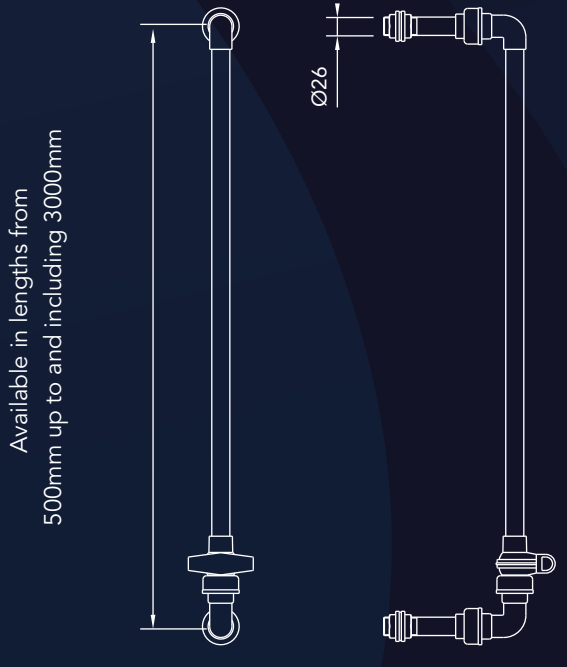
Fitted to the tank with standard back-nut type PVC tank connectors see data sheet "Tank connectors - on site fitting instructions" for installation instructions.

Available for tanks up to and including 3000mm internal height.

Can be fitted to one piece, two piece and sectional tanks.

This product is not Kiwa and WRAS approved.





It is our recommendation that where sight glass is fitted to a tank where personnel and or vehicle traffic is present, a protective barrier or cover is used to reduce the potential for damage to the sight glass. Damage to the sight glass will result in the loss of water contained within the tank.

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Temperature gauge - Adjustable stem and dial

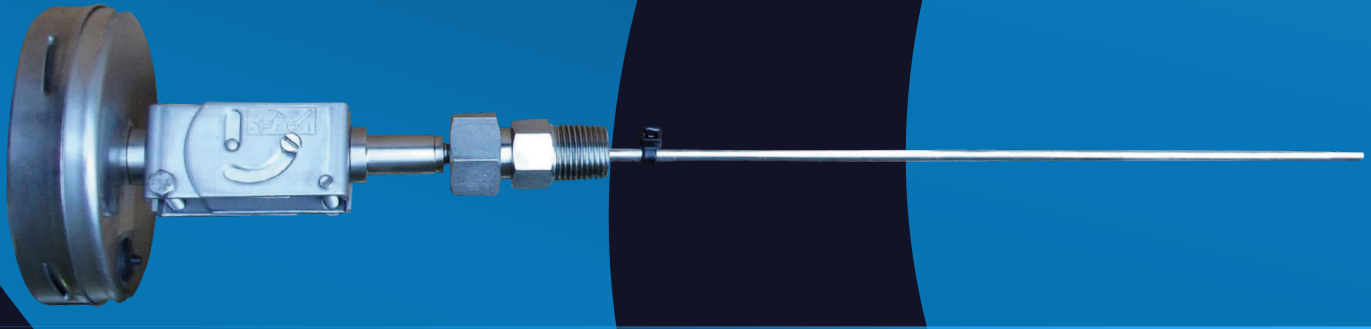


Bimetal Thermometer with adjustable stem and dial

This thermometer is designed for installation in tanks with the stem and the case of the instrument made of stainless steel.

Due to their high ingress protection (IP 65) and liquid damping, these thermometers can be used in applications with extreme vibrations.

Specification	
Temperature element	Bimetal helix
Nominal size	100mm
Stem length	345mm
Accuracy class	DIN EN 13 190
Working range	0° - 60°C
Dial	White Aluminium, Black lettering
Pressure rating of stem	Max. 25 bar, static
Ambient temperature Limit at the case	+60°C max.
Ingress protection	IP65 per EN 60 529



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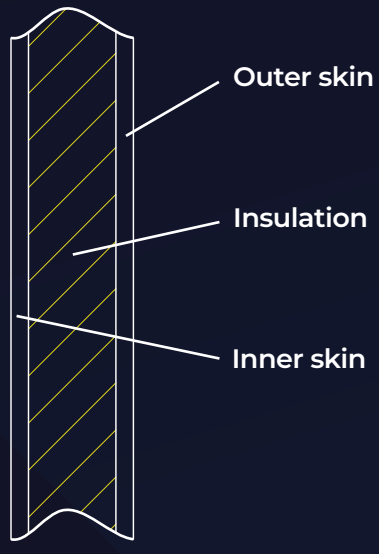
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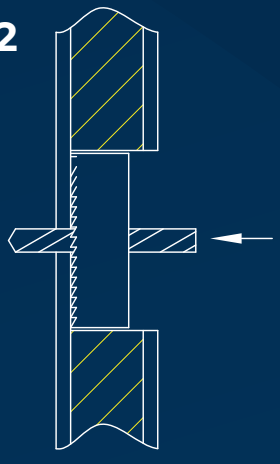
On-site connection fitting instructions for One piece, Two piece & Sectional tanks

1



Purewater one-piece tanks are supplied with body. Fitting connections on site is a quick and simple procedure.

2



First select the correct hole saw to provide enough clearance to allow tightening of the connection to be used.

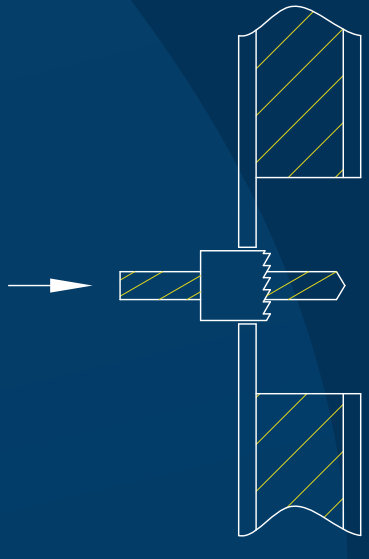
For example a 100mm diameter hole should be suitable for a connection up to 42mm.

Using the hole saw, cut through the outer GRP skin along with the insulation layer.

Ensure that the pilot drill passes through the tank inner skin but do not allow the hole saw to do so.

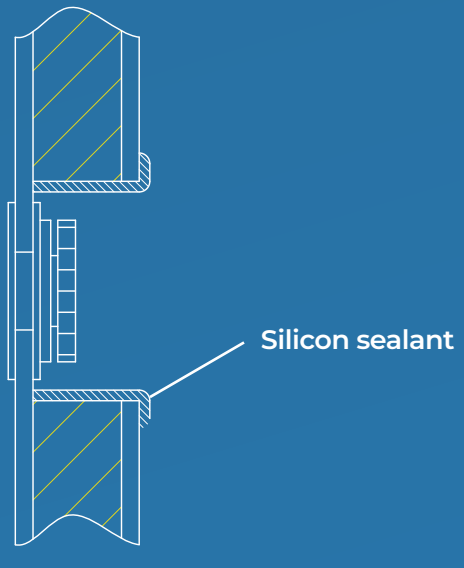
If there is evidence of the adhesive used to bond the insulation to the tank inner, remove this to ensure a flat surface for the connection to mate to.

3



Select the correct hole saw to suit the outside diameter of the tank connector to be fitted. Cut through the tank inner skin.

4



The tank connector can now be fitted to the tank,sealed and tightened. Close off the exposed insulation with a bead of silicon sealant or similar.

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Upgrading existing tanks

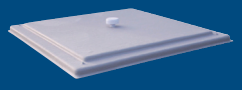


Modern water storage tanks are designed, manufactured and installed to exacting standards which have been set in accordance with The British standards institute, WRAS and the HSE amongst other contributing organisations and bodies.

However many older tanks which do not meet these standards are still in use and have the potential to provide water which does not meet the required quality standard.

Water storage tanks which were installed prior to the original revision of the water by-laws, which commenced implementation during the 1980's often fall short of today's high standards.

It is not always necessary to replace older tanks, a range of products and associated services are available to allow tanks to be upgraded resulting in improved water quality and conditions which meet current recommendations and requirements.



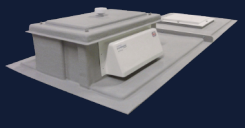
Replacement tank lids



Retro-fit access man-ways



Screened vents & overflows



Retro-fit float valve housings



PVC flanged tank connectors



Roof support Struts



Aylesbury float valves



Equilibrium & BS1212 float valves

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Pre commission

All water storage tanks must be commissioned and disinfected prior to being placed online. Purewater Storage can offer a comprehensive commissioning package with every tank.

With over 23 years of industry expertise, we ensure a clean water supply that complies with current regulations while maximising the lifespan of your tank.

Our services include, but are not limited to:

- Simple first commissioning packages (disinfection)
- Annual servicing to maintain optimal performance
- Full building sterilisation
- **Extended warranty**

Pre commission tank cleans

Before



After



New water storage tank pre commissioned & installed



Scheduled Maintenance

Regular inspections and servicing to keep your tank in peak condition.

Emergency Support

Fast-response assistance for urgent issues, leaks, or system failures.

Repairs & Upgrades

Expert repair services and upgrade options to extend the life of your tank.

Compliance Checks

Ensuring your system meets all relevant standards and regulations.

Customer Support

Friendly, knowledgeable help whenever you need it. We're just a call or email away

EMAIL ENQUIRIES

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