



Resvari Plus Breaktank Booster set

COMPACT VARIABLE SPEED BREAK TANK BOOSTER SET

Compact, Efficient, Performance

An ever increasing demand on our water supply lines can sometimes lead to poor performance at the point of use due to low pressures, especially at peak demand periods. In addition to this, water supply companies in some parts of the country are reducing pressures to avoid excessive water loss through leaks.

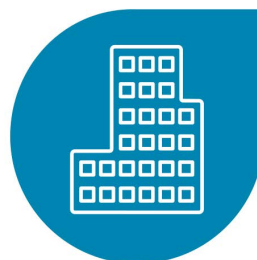
A Lowara professionally sized and installed booster set will provide a perfect solution to overcoming low water pressures around the home. Installing a Lowara booster set will ensure that water pressures for both hot and cold supplies will be able to cover the most demanding requirements.

Application Areas

The Resvari Plus is suitable for any cold water boosting applications and comes fitted with a CAT 5 Backflow protection Break tank so can be used in areas that can prove a risk for contamination. Typical applications include:

- Domestic Cold Water Boosting
- Washdown Booster set
- Sports Halls and Leisure Centres
- Schools

Commercial
Building Services



Residential





Powerful, Pumping, Performance

The Resvari Plus is fitted with the latest generation of SCUBA compact close-coupled submersible pump from Xylem and brings a new level of reliability and flexibility for pressure boosting applications. SCUBA is a quiet, compact multistage pump designed to deliver high performance.

The high-performance SCUBA range of 5" stainless steel submersible pumps delivers up to 7m³/h flow and a maximum pressure 75 metres head with motor power up to 1.1kW.

The electric motor is cooled by pumped liquid, fitted with an internal capacitor and built-in thermal protection.

Each pump is equipped with high-efficiency hydraulics and abrasion resistant impellers that will ensure stable performance over many years.

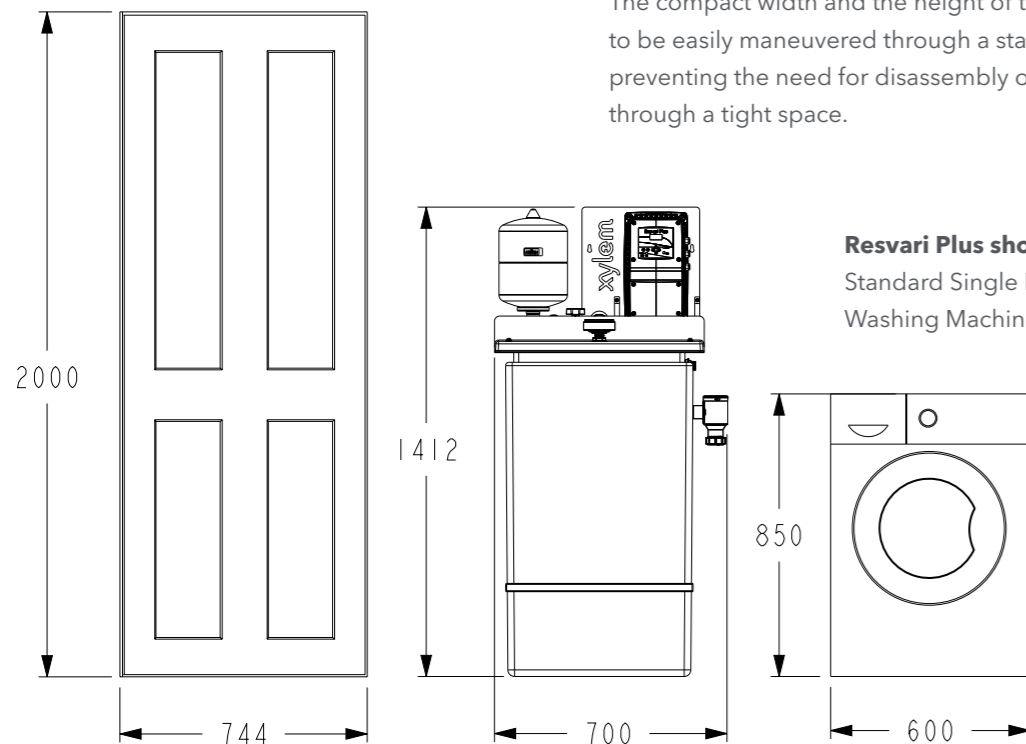


Compact Design

The size and footprint of the Resvari Plus is perfect for a range of domestic and light commercial environments. With a footprint not much bigger than a domestic washing machine, the unit can easily be installed in a utility room or single car garage without looking out of place.

The compact width and the height of the unit allows the Resvari Plus to be easily maneuvered through a standard single door way preventing the need for disassembly or struggling to get the unit through a tight space.

Resvari Plus shown on the left compared to:
Standard Single Door (2000 x 744mm)
Washing Machine / Tumble dryer (850 x 600mm)



Main Features:

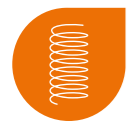
- Noiseless operation for maximum comfort
- High efficiency hydraulics
- Stainless steel casing with abrasion resistance
- Technopolymer Impellers
- Plug in cables for easy replacement and installation

Premium Features in a Small Footprint



Performance

- The Resvari Plus range covers flows from 1m³h to a maximum of 7m³h per hour (Roughly 0.3l/s to 2l/s). More than enough flow for a large domestic dwelling, small leisure centres or commercial premises.
- Maximum pressure for the range is 7.5 bar with typical pressures at Best Efficiency Point being between 2-4 bar. These high pressures can supply even the most demanding of modern showers, supply water to multiple story buildings or overcome long pipework runs.
- The Resvari drive varies the speed of the pump motor dependant on the demand meaning greater range of performance for applications with fluctuating flow requirements.



Flexible

- The small footprint of the Resvari Plus allows the set to be installed in a wide range of environments with limited space. Designed for crowded plant rooms, small garages and storeroom cupboards.
- Despite the small footprint of the set, the Resvari Plus does not compromise on storage volume either. Utilising a high efficiency submersible pump mounted inside of the tank.
- The back bracket, where the Resvari Plus Drive is mounted, can be detached from the tank allowing the tank to be fitted into a confined space and still allow the user to control the pump. The set comes with an extended cable between the drive and motor and float switch allowing for a more flexible install.



Features and Benefits



Efficiency

- The Resvari Plus comes fitted with the latest generation of Submersible Scuba pump which features a IE3 rated motor and high efficiency multistage stack providing high performance at reduced energy consumption.
- The Resvari Drive variable speed drive can cut energy consumption up to 70% vs a standard fixed speed unit. The drive works to vary the speed of the pump motor depending on the demand meaning the pump will only work as hard as it needs too. Therefore is perfect for a application where the demand changes throughout the day e.g. a Domestic household.



Suitable for Potable Water

- The wetted parts on the Resvari Plus are all non ferrous and suitable for potable water applications.
- The manifold, pump casing and isolation valves are all made from either Stainless steel or Brass.
- The Break tank is suitable for CAT 5 fluid applications and fitted with an AB Air gap for backflow protection. Therefore suitable to be installed in a number of industrial environments where potentially hazardous chemical are present.
- The break tank, pressure vessel and fitting are WRAS approved as standard.



Reliable

- The Resvari is fitted with the robust Scuba Submersible pump to ensure quiet operation and long life span.
- Non ferrous materials used as wetted parts to avoid corrosion.
- The Resvari Drive has built in electrical protection preventing overload of the pump motor, over / under voltage and secondary dry run protection (in the event of the primary dry run protection offered from the included float switch was to fail).
- The Resvari Plus is fitted with float switch inside the break tank to protect the unit from dry running.

Modular Design

The Resvari Plus is based on a modular design, meaning the head unit is a single part number regardless of the size of pump in the tank. This head is stocked in the UK and can be purchased as a stand alone item.

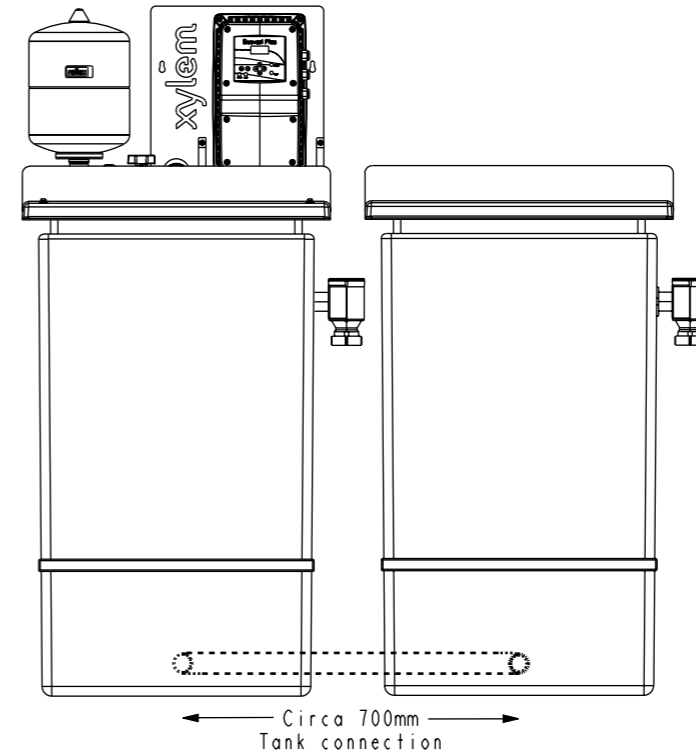
This allows the installer to use a pre-existing tank on site to adapt from a traditional fixed speed surface mounted pump, to a more compact, more efficient variable speed system.

Installers can also take advantage of the stock holding of the Resvari Plus to have the "plug in and play" unit available on a next day delivery.

Resvari Plus head unit shown on the right



Assist Tank



For applications which require a larger storage capacity, a 250 litre Assist tank can be purchased and installed alongside the Resvari Plus. This takes the total nominal volume of the unit up to 500 litres, perfect for sustained high volume requirement such as schools and sports Halls, where water is required for longer periods of time compared to a traditional domestic dwelling.

A simple length of pipework can be fitted to the bottom of the tank to ensure that water flows between the two tanks.

Installation example shown on the left

Fluid CAT 5



In order for the Resvari Plus to be used in a wide range of applications, all tanks are classed as suitable for Fluid Category 5 with AB Air gap.

This is the highest level of backflow protection allowing the Resvari Plus to be installed in environments where hazardous fluids are present. Typical hazardous applications include abattoirs, waste processing and other areas where toxic substances are stored.

A characteristic of a CAT 5 rated break tank is the weir overflow on the side of the tank in addition to the traditional overflow. Having the weir will ensure that there is always an air gap between the water level and the tank inlet at all times.

Dual Pump System



Two Resvari Plus units can be set up in Duty / Assist or Duty / Standby configurations depending on the requirements of the application.

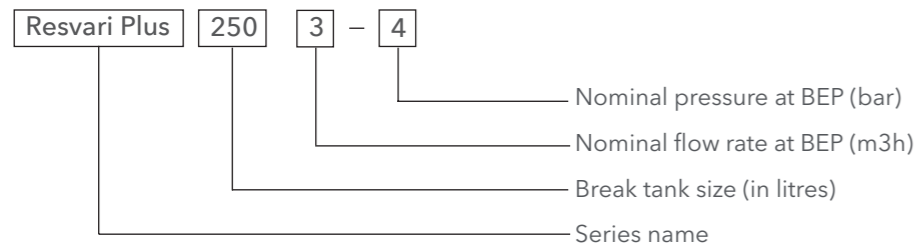
This allows the end user to have a standby unit if the pump was to encounter a failure or to assist in providing additional performance due peak load.

The drive will also rotate duty, ensuring even wear across both pumps.

All it requires is a link cable between the drives and a quick change in the drives settings.

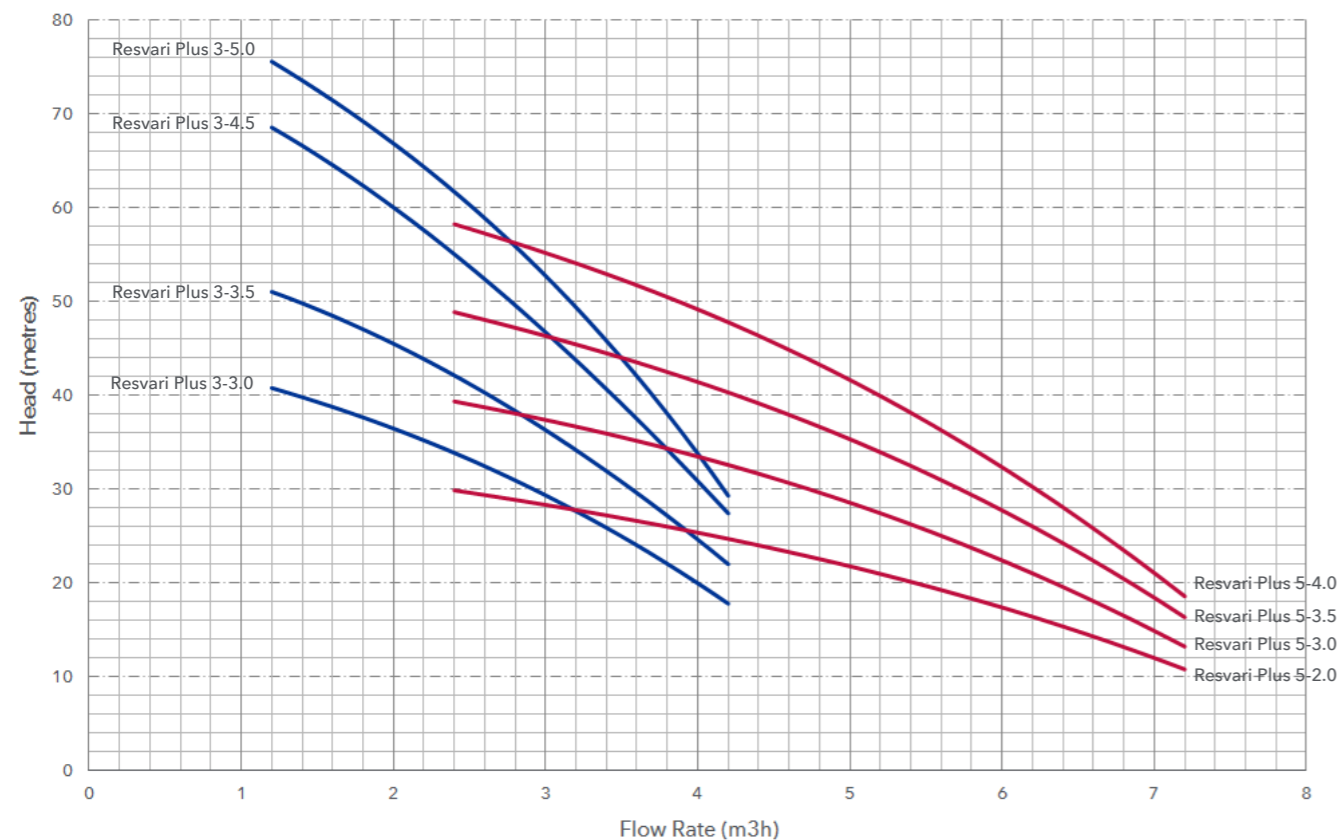
Resvari Plus Specification

Nomenclature



Performance

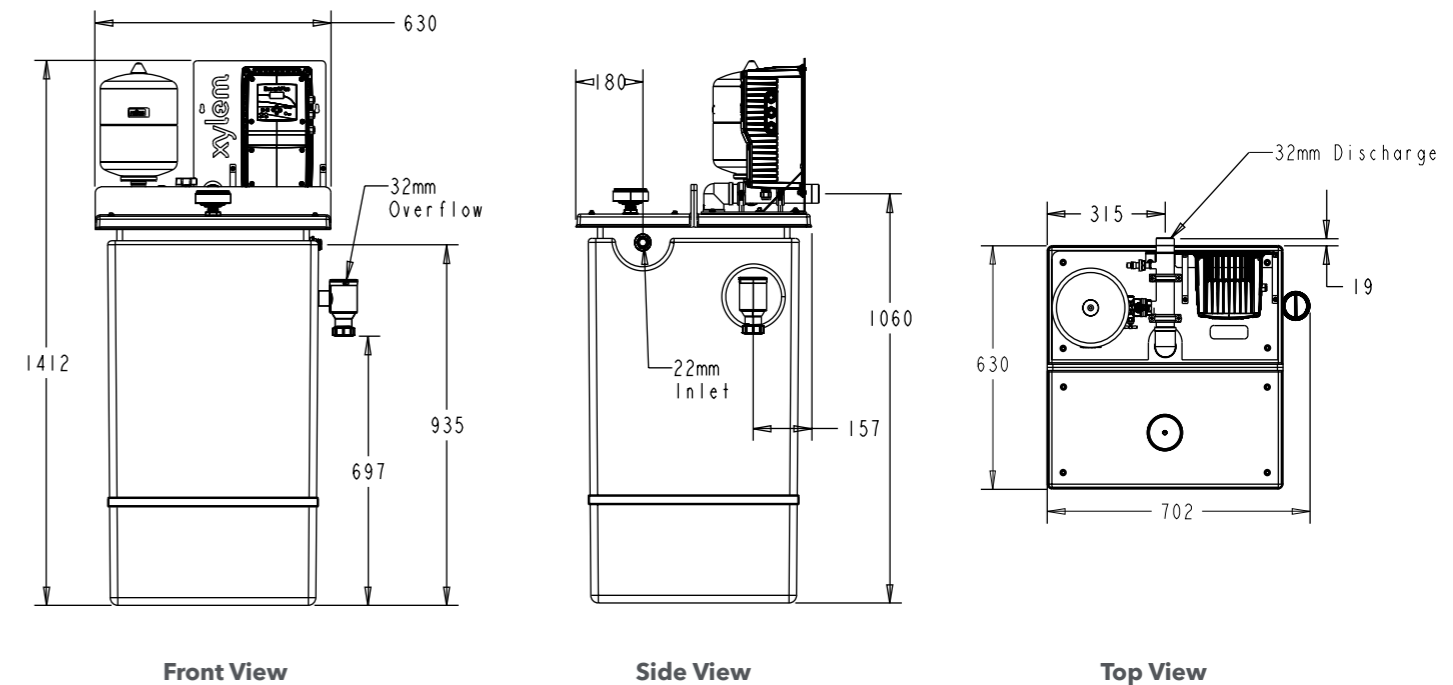
Performance curves below shown at full speed 50hzs. 240v / Single phase supply



Range / Electrical Details

Model	Pump Used	Part Number	Size Tank (litres)	Electrical Supply	Motor size (kW)	Full Load Current (amps)
Resvari Plus 250 3-3	3SC4/05/5 C L05	UKRESVARI250330	250	240/1/50	0.55kw	4.06
Resvari Plus 250 3-3.5	3SC5/07/5 C L05	UKRESVARI250335	250	240/1/50	0.7kw	4.80
Resvari Plus 250 3-4.5	3SC7/09/5 C L05	UKRESVARI250345	250	240/1/50	0.9kw	5.88
Resvari Plus 250 3-5	3SC8/11/5 C L05	UKRESVARI250350	250	240/1/50	1.1kw	6.85
Resvari Plus 250 5-2	5SC3/05/5 C L05	UKRESVARI2503520	250	240/1/50	0.55kw	4.08
Resvari Plus 250 5-3	5SC4/07/5 C L05	UKRESVARI2503530	250	240/1/50	0.7kw	4.98
Resvari Plus 250 5-3.5	5SC5/09/5 C L05	UKRESVARI2503535	250	240/1/50	0.9kw	5.72
Resvari Plus 250 5-4	5SC6/11/5 C L05	UKRESVARI2503540	250	240/1/50	1.1kw	6.90

Dimensions



Please note:

Discharge positioned on the back of the tank
 Inlet and Overflow (with strainer basket), located on the right hand side
 CAT 5 compliant, Weir overflow on left hand side

Pump Specification

Motor Protection: IP68
 Voltage: 240 volt
 Frequency: 50hz
 Motor Efficiency: IE3

Temp of pumped liquid: 0°C to +40°C

Pump Materials

Body: Stainless steel
 Diffuser: Stainless steel
 Mech Seal: Silicon carbide / NBR
 Impeller: Technopolymer (Plastic)
 Cable: H07RN-F Rubber

Set Specification

Pressure vessel Size: 8 Litre
 Pressure vessel rating: 10 bar
 Backflow Protection: CAT 5
 Air Gap: Type AB Air gap
 Outlet size: 32mm

Set Materials

Break tank: Fibreglass (GRP)
 Manifold: Stainless steel
 NRV: Brass
 Riser: Copper
 Unions: Stainless Steel

Xylem |'zīləm|

- 1) The tissue in plants that brings water upward from the roots;
- 2) a leading global water technology company.

We're a global team unified in a common purpose: creating advanced technology solutions to the world's water challenges. Developing new technologies that will improve the way water is used, conserved, and re-used in the future is central to our work. Our products and services move, treat, analyze, monitor and return water to the environment, in public utility, industrial, residential and commercial building services settings. Xylem also provides a leading portfolio of smart metering, network technologies and advanced analytics solutions for water, electric and gas utilities. In more than 150 countries, we have strong, long-standing relationships with customers who know us for our powerful combination of leading product brands and applications expertise with a strong focus on developing comprehensive, sustainable solutions.

For more information on how Xylem can help you, go to www.xylem.com



**Xylem Water Solutions UK Ltd.
Main Office**

Private Road No.1
Colwick, Nottingham NG4 2AN
Tel 0115 940 0111
Email fgbsales@xylem.com
www.xylem.com/uk

Axminster Office

Millwey Rise Industrial Estate
Axminster, Devon EX13 5HU
Tel 01297 630 230
Email lowaraukenquiries@xylem.com
www.xylem.com/uk

Xylem Water Solutions Ireland Ltd.

50 Broomhill Close
Airton Road, Tallaght, Dublin 24
Tel (+353) 01 4524 444
Email flygtlRL@xylem.com
www.xylem.com/ie

Xylem Maintenance Agreements UK

Tel 0800 009 3611

Xylem Service & Rental UK

24/7 Rental & Service Call Centre
Tel 0845 707 8012

Xylem Water Solutions UK Limited reserves the right to make modification without prior notice.

© 2021 Xylem, Inc.

Xylem Water Solutions UK Solutions UK Ltd. Reg. No: 479504