THE VADA PUMP RANGE
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Pump Types

Pressure System

Pressure systems are designed for the distribution and boosting of clean domestic water. Pressure systems are ideally suited for household water pressure and garden irrigation.

The Vada range offers you the choice of jet assisted centrifugal pumps or multistage centrifugal pumps coupled either with the Vada Rain2Main Auto Rainwater Controller or the V-PC Auto Pressure Controller.

V-PC Auto Pressure Controller for steady and reliable flow of water. The V-PC starts the pump as soon as an outlet is open and keeps running until it is closed, eliminating pressure fluctuations. It also protects the pump by turning it off should the water supply be interrupted.

• Ideal for boosting low water pressure in homes where the incoming municipal water supply pressure is inadequate.
• Increase water pressure from underground or surface water supplies.
• Automatic water transfer.
• Applications where pressure “cycling” must be avoided or where the pump may have interrupted water supply.

Vada Rain2Main Auto Rainwater Controller performs the same functions as the V-PC with the added benefit of allowing a dual water source system where rainwater is given priority over mains water for everyday applications such as filling the washing machine or flushing the toilet.

• Maximise the benefits of installing a rainwater tank, the Vada Rain2Main senses whether rainwater is available in the tank and automatically selects the appropriate water source - reverting to mains if the tank is empty or in the event of power failure.
• Unique design avoids high losses in pressure, meaning the Vada Rain2Main can be used for a broader range of applications including garden irrigation (pop-up sprinklers).
• True compliance - water switching, not water mixing. Unlike other products, the Vada Rain2Main does not mix rain water and mains water thereby maximising your water savings.

Water Transfer

The Vada range of self priming pumps are suited to a wide variety of water supply and transfer duties in home, garden and hobby applications as well as in agriculture and horticulture - wherever a reliable water supply is needed. For example these pumps can be used for irrigation (in conjunction with an irrigation controller and pump start relay) or used for transfer of water from one location to another e.g. tank to tank.

Flow Chart

This chart is a guide only for applications where rainwater is used to supplement a mains supply. For other applications please consult the flow curves on the following pages.

Usage

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<td>Jet Pump</td>
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Although noisier than multistage or submersible pumps, these pumps are great for situations where high suction lift is required.

Excellent efficiency makes these pumps ideal for high pressure applications and where low noise levels are required.

Not all pumps are born equal. Vada pumps are tough. Powerful. Hardworking. They’re serious pumps for serious jobs. If water needs to be moved efficiently and effectively - whether it’s from a domestic water tank to the rose garden or from a dam to the fields on a working farm - the Vada range of Multistage, Jet and Sump Pumps will help get the job done.
Multistage Pumps

The Vada horizontal multistage pumps combine the functional benefits of centrifugal pumps and the practical benefits of self priming pumps. Offering a pump that delivers high hydraulic pressure and flow rate performance.

Stainless Steel Motor Shaft & Pump Casing
Corrosion resistant and tough

Precision Moulded Components
High Efficiency, Low noise

Pump Inlet
25mm BSP Female

Pump Outlet
25mm BSP Female

Applications
Household pressure systems, garden irrigation, or water transfer. Excellent efficiency makes these pumps ideal for high pressure applications and where low noise levels are required.

Jet Pumps

The Vada series of self priming jet pumps combine the functional benefits of centrifugal pumps and the practical and qualitative benefits of self-priming pumps. The pumps are fitted with a Venturi system guaranteeing optimum hydraulic efficiency and great performance under high suction lift applications.

Stainless Steel Motor Shaft & Pump Casing
Corrosion resistant and tough

Venturi System
Lifts water from wells and low water sources

Applications
Household pressure systems, garden irrigation, or water transfer. Perfect for use where the water source is located below ground or water must be lifted from below the level of the pump.
Submersible Pumps

Submerged in a tank or well, the V75-S is a completely silent multistage pump. Coupled with the V-PC Auto Pump Controller the V75-S becomes a complete home pressure system. Ideal where space is at a premium, vandalism may be an issue or silent operation is required.

High efficiency moulded impellers
Lower running costs, high performance

Stainless steel suction, shaft and casing
Corrosion resistant and tough

Supplied with 20m cable and 20m drop cord
Ready to install and run

Mechanical seal with oil chamber
Highest quality motor protection

Motor internally cooled
Can run even partially submerged (maximum submergence 20m)

Outlet
32mm BSP Female

Applications
Silent household pressure systems, garden irrigation, or water transfer. Suitable for installation in traditional wells, water deposits, collection tanks, clear watercourses, lakes etc.

Includes
- Assembled Vada Rain2Main and pump mounted on base
- Flexible hoses, fittings and barrel union
- Protective slimline pump cover

Product Codes

<table>
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<tr>
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<th>Vada V80-J &amp; Rain2Main Ready2Go</th>
<th>Vada V80-H &amp; Rain2Main Ready2Go</th>
<th>Vada V80-J &amp; Rain2Main Ready2Go</th>
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<th>V75-S Submersible Pump with Vada Rain2Main</th>
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2 YEAR QUALITY GUARANTEE
Submersible Pumps

The Vada V35-S is a multistage submersible pump designed to provide water from your tank to your garden or house. Because it is submerged, the V35-S operates silently, and takes up no space at ground level.

Stainless steel shaft and casing
Corrosion resistant and tough
Supplied with 10m cable
Convenient installation
Dual seals
Reliable operation
Outlet
32mm BSP Male

Auto Pump Controller

The V-PC guarantees perfect control of household pressure pumps. In-built sensors are capable of simultaneously detecting both pressure and flow, using the information to control the pump and also protect it from abnormal running situations which could cause damage.

Completely automatic operation based on demand, the V-PC maintains constant pressure and temperature during delivery as the pump won’t cycle. Plus, in-built loss of prime protection stops your pump from operating without water, preventing potential damage to your pump.

The V-PC also minimises the effects of water hammer, helping to protect household plumbing and appliances.

Replaces the traditional expansion tank system
Far more compact than a tank, with reduced maintenance
Operates the pump in accordance with demand
Completely automatic operation
Maintains constant pressure during delivery
Keeps pressure and temperature constant for great showers
 Stops the pump on loss of prime
Protects the pump, reducing service costs
Reduces the effect of water hammer
Protects household plumbing
Pre-Wired Plug and Play
No need for Electrician to install

Inlet/Outlet
25mm BSP Male

Applications
Silent household pressure systems, garden irrigation, or water transfer.

Pressure System
Water Transfer

Applications
Compatible with the Vada range of Jet, Horizontal Multistage and Submersible pumps.

V-PC Pressure Loss

V35-S
Pump Only
Pump + V-PC or Vada Rain2Main

Inlet/Outlet
25mm BSP Male

Applications
Silent household pressure systems, garden irrigation, or water transfer.

Silent household pressure systems, garden irrigation, or water transfer.
Vada Rain2Main
Automatic Rainwater Controller

The WaterMark approved Vada Rain2Main is an automatic rainwater controller utilised in dual water source systems where rainwater is given priority over mains water for everyday applications such as filling a washing machine or flushing a toilet. It senses whether rainwater is available in the tank and automatically selects the appropriate water source, ensuring the benefits of a rainwater tank are fully maximised.

Unique design avoids high losses in pressure
The Vada Rain2Main can be used for a broader range of applications including garden irrigation i.e. (pop-up sprinklers). Maximum mains water pressure = 1000kPa

High-flow design
It provides optimum energy efficiency and lower running costs by allowing smaller, more efficient pumps to be used

Pre-wired plug & play
No need for electrician to install

True compliance - water switching, not water mixing
Unlike other products, the Vada Rain2Main does not mix rain water and mains water

No need for a float switch
Allows for quicker and easier installation

In-built backflow protection
Integrated dual check valve (mains) and single check valve on pump delivery eliminates backflow and siphoning

Inlets/Outlet
25mm BSP female

Applications
Compatible with the Vada range of Jet, Horizontal Multistage and Submersible pumps.

Sump Pump

The Vada V150 sump pump features strong and durable cast iron construction for long pump life. The Vortex impeller is capable of handling soft solids up to 15mm O.D. at a 10% content or fine solids at 1% concentration. Supplied as standard with a 6m power cable length and connections to suit 32mm, 25mm and 20mm.

Cast-Iron Construction
Strong and durable for longer pump life

Vortex Impeller
Capable of handling soft solids up to 15mm

Optimum Performance
4 Metres Head
80 Litres Per Minute

Automatic Float Switch Operation
Protection against pump running dry

Lip Seal and Dual Mechanical Seal
Improved service life

Applications
A handy asset to plumbers, drainers and for household applications. Applications include septic effluent disposal, water transfer, grey water and sump pumping.

Efficiency Chart

Power (W) vs Efficiency (%)

Performance Chart

Pressure Loss Vs Flow Rate

Flow Rate (l/min) vs Pressure Loss (kPa)
The VADA V2060-C Circulator Pump is designed for the circulation of hot water in heating and domestic hot water systems. It is capable of handling liquids up to 110°C.

3 Speed Operation
Flexibility in system design and performance

DR Brass Pump Housing
Suitable for use on both open and closed systems

Built in thermal protection
Prevents damage to the pump through overheating

Barrel Unions Included
Quick and easy connection

Maximum operating pressure
1000 kPa

Maximum flow rate
60 l/min

Applications
For the circulation of hot water in heating and domestic hot water systems. Suitable for use on both open and closed systems.

Hydraulic Performance & Power Consumption

Note: This chart is valid for 50Hz, 2 pole speed and positive suction pressure.