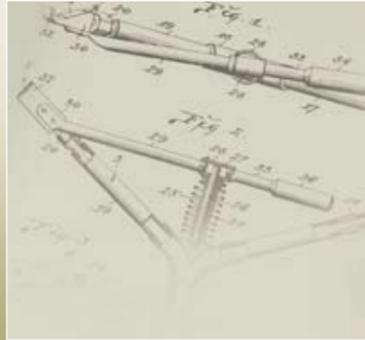


# Rain Bird leading the way in Pump Station technology

...Rain Bird is the world's leading irrigation manufacturer, providing complete irrigation solutions from Pump Stations to Rotors.



Rain Bird's industry leadership and sole passion is irrigation. Complete confidence in Rain Bird quality, reliability and ease of use is demonstrated daily on applications around the world.



All Rain Bird Pump stations are approved.

Rain Bird Sweden was the first company to develop variable speed pump stations dedicated to irrigation.

Today hundreds of prestigious sites around the world benefit from the reliability of Rain Bird Pump Stations.

Rain Bird Pump Stations are built at our facilities in Sweden using the highest quality components and are designed specifically for your irrigation needs.



## Over 20 years of experience

Today's Rain Bird Pump Station line is based on over 20 years of continued development and improvement.

Rain Bird's long term close working relationship with the end-users of our Pump Stations has given the feedback and knowledge needed to develop a product that is truly adapted to the needs of irrigation professionals.

## Easy to install and operate

When you install Rain Bird quality and reliability, you install Confidence. All Rain Bird Pump Stations undergo rigorous quality testing during manufacturing.

This includes operating the completely assembled Pump Station at its designed capacity to ensure that it's fully water tested and calibrated.

Rain Bird pre-assembled Pump Stations are extremely easy to install and operate.

Install Confidence.  
Install **Rain Bird**.

# Rain Bird Safe operating and low running cost

## Variable Frequency Drive Technology

Few people would dream of driving by keeping the accelerator to the floor and using the brakes to control their progress. Yet this is exactly how many pump systems without electronic variable speed technology work. Variable speed saves energy, minimizes system wear and prevents water hammer.



Rain Bird Pump Stations use electronic Variable Speed technology. Variable Speed Controlled Pump Sets maintain a constant pressure against variable flow. Variable Speed Control provides a smooth automated start and stop of the Pump Station and adjusts the performance to meet the pressure required at an extremely quiet low vibration operation.

Rain Bird uses pumps that offer high efficiencies - up to 80%. This results in extremely low energy consumption and long term running costs.

The Intelligent Use of Water™

## Remote control from your PC for a real-time communication

The Rain Bird Sweden Pump Manager software offers the possibility to remotely control the Pump Station from a PC.

The exclusive Smart Pump™ software module available with Rain Bird SiteControl, Stratus II, Nimbus II and Cirrus Central Control systems allows you to link your Rain Bird Pump Station directly with the Irrigation Central Control system. Smart Pump™ monitors and graphs both actual and controlled flow. Direct and real-time communication between the Pump Station and the Irrigation Central optimizes the irrigation cycle by adjusting flow demand according to actual field conditions.



# Rain Bird Single Pump Stations

*Pre-assembled and easy to install and operate, for use on sports fields and commercial applications – up to 90m<sup>3</sup>/h*

## Standard features include:

- Grundfos CR pumps with high efficiency class EFF1 motors, IP55, 3Ph, 400V, 50Hz, 2950 RPM.
- Manifold in galvanized steel
- Check valve Danfoss/Socla
- Main isolating valve on pump station outlet
- In/outlet DN25 incl. ball valve
- Pressure gauge installed on manifold
- Protective thermostat on the pump prevents pump from running too hot



## Soft Start Series

**Suitable in applications where the flow rate is relatively constant (i.e. athletic fields)**

### Additional standard features include:

- The Soft Starter cabinet is mounted on the pump. It ensures a smooth start and stop of the pump. This helps to avoid damage caused by water hammer and lowers the current peak at start-up.
- Polyester enclosure 380x300x120mm, IP54.
- Started directly by irrigation controller through built in 24V relay.
- Also accepts signal from external device (e.g. level switch, pressure switch)
- Built in motor circuit breaker
- Standard multi-function timing relay with On-delay/Off-delay function mode
- Level control with remote input contact mode for use with water level probes (included)
- Man-0-Auto Selector switch
- Round signal lamps (Green: Motor Running / Red: Motor Alarm)



## VFD Series

**Ideal when flow rates are varying, while a constant pressure is required.**

### Additional standard features include:

- The VFD unit is mounted on the pump with motors up to 5,5 kW and delivered with 5 m of cable for wall mounting for larger motors. Continuously controls the motor speed, which makes it possible to set the pump station to operate at any duty point and adjust the performance to a given requirement.
- Welded steel enclosure, size depending on pump, IP54
- Speed regulation by 4-20mA signal from pressure transmitter
- Pressure transmitter in stainless steel
- Overload protection built-in
- Operators panel for adjusting of settings (desired pressure, margins, time delay etc.)
- Pressure shown in operators panel
- Built in PTC resistor in motor protects the motor from overheating caused by overload or low voltage
- Standard pressure tank and check valve



# Rain Bird V-Series Vertical Centrifugal Pump Stations

*The easy to install, easy to maintain above ground solution provides superior reliability at a low running cost.*

## V-3100 Series

**The economy line.**

Standard configuration has 2 or 4 pumps. Available flow range up to 400 m<sup>3</sup>/h. Standard features include:

- Grundfos CR Vertical Multistage Centrifugal Pumps
- Pumps mounted on a galvanized steel base frame
- Galvanized steel suction and discharge manifolds
- Isolation valves for each pump
- Check valve for each pump
- Protective thermostat on each pump
- Pressure transmitter in stainless steel
- Hose point connection
- Touch-button user interface shows actual operating conditions and alarms, and allows for easy pressure setting adjustment.



## V-3200 Series

**The most commonly used line that is suitable for most golf course applications.**

Standard configuration has 2 – 5 pumps. Available flow range up to 500 m<sup>3</sup>/h. Additional standard features include:

- Flow meter with electronic signal to the Control Cabinet
- Automatic self-flushing Y-strainer with PLC-controlled Over Pressure Relief Valve
- Main Isolation Valve on Pump Station outlet
- Jockey pump included for pump sizes CR64 and larger
- Advanced touch-button user interface shows actual water flow, operating conditions and alarms and allows for easy pressure setting adjustment.



## V-3300 Series

**The high end line.**

Standard configuration has 2 – 5 pumps. Available flow range up to 500 m<sup>3</sup>/h. Additional standard features include:

- Independent Over Pressure Relief Valve
- Jockey pump included for pump sizes CR45 and larger
- Water-cooled heat exchanger on the cabinet
- RBSv Pump Manager software with modems
- 3-phase failure control
- Heat sensors in motors
- Floating low water level switch
- State of the art colour touch-screen user interface shows actual operating conditions and alarms.



# Rain Bird S-Series Submersible Pump Stations

*The technically advanced and efficient under water solution:*

- Minimum floor space required
- Virtually noiseless
- Easy to service
- All stainless steel pumps for better corrosion resistance

## S-3200 Series

The standard line that is suitable for most golf course applications.

Standard configuration has 2 - 4 pumps. Flow range up to 1000 m<sup>3</sup>/h. Standard features include:

- Grundfos SP pumps
- Galvanized skid and discharge manifold
- Control cabinet mounted on the skid
- Isolation valves for each pump
- Check valve built into the pumps
- Pressure transmitter in stainless steel
- Flow meter with signal connected to the cabinet
- Automatic self-flushing Y-strainer with PLC-controlled Over Pressure Relief Valve
- Main Isolation Valve on pump station outlet
- Jockey pump included for pump size SP60 and larger
- Advanced touch-button user interface shows actual water flows, operating conditions and alarms and allows for easy pressure setting adjustment.

## S-3300 Series

The high end line.

Standard configuration has 2 - 4 pumps. Flow range up to 1000 m<sup>3</sup>/h. Additional standard features include:

- Over Pressure Relief Valve
- Jockey pump included for pump size SP46 and larger
- Water-cooled heat exchanger on the cabinet
- RBSv Pump Manager with modems
- 3-phase failure control
- Floating water level switch
- State of the art colour touch screen user interface shows actual operating conditions and alarms.



# Rain Bird, Prefabricated Pump Stations

## Rain Bird, The Reference

More than 60 years after our first sprinkler, Rain Bird continues to offer the type of innovations and reliability that have made Rain Bird the first choice in irrigation.

In the past seven years more than 350 sites in 25 countries in Europe have installed and benefit from the reliability of a Rain Bird pump station.

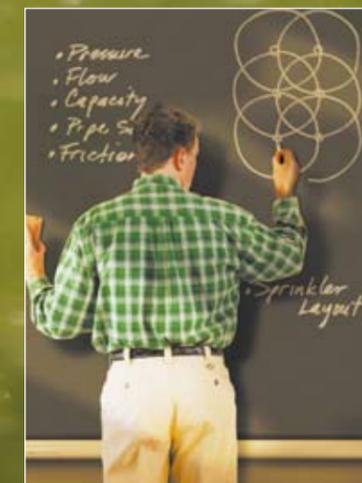


*The only irrigation company to manufacture and provide a completely integrated system from Pump Station to Central Control System to Rotors.*

## Rain Bird Field Service

Rain Bird field service engineers are available worldwide to provide Pump Station start-up and end-user training.

After each project has been completed they will provide ongoing training and support to ensure that the system performs reliably and efficiently, long into the future.





## Prefabricated Pump Stations For all applications

The  
Intelligent  
Use of Water™

At Rain Bird®, we believe it is our responsibility to develop products and technologies that use water efficiently. Our commitment also extends to education, training and services for our industry and our communities.

The need to conserve water has never been greater. We want to do even more, and with your help, we can. Visit [www.rainbird.eu](http://www.rainbird.eu) for more information about The Intelligent Use of Water.™



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