

# Regent pumps



*Column Sump*  
Pumps

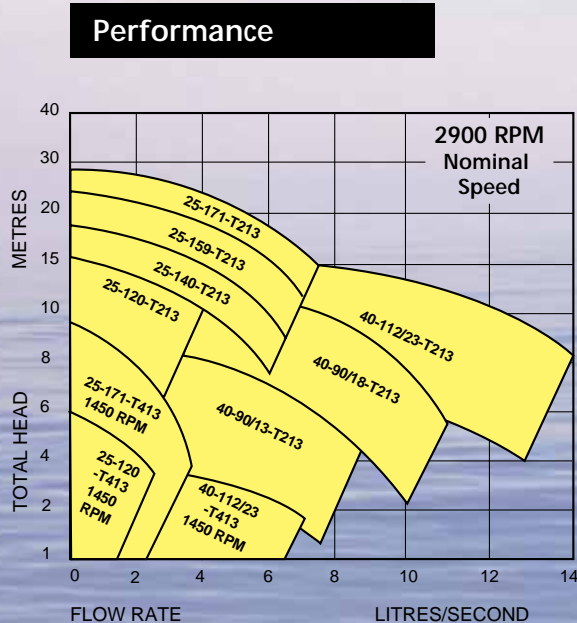
# Column Sump Pumps

Regent Column Sump Pumps are column versions of the popular Regent end suction centrifugal models.

This style of pump is advantageous when pumping high temperature liquids that have a tendency to vaporise. As the pump is submerged in the liquid the risk of cavitation is greatly reduced.

These pumps are useful when pumping dangerous chemicals as they eliminate the chance of leakage. They are also used as an alternative to surface mounted self-priming pumps.

Regent Sump Pumps are available in a variety of construction materials giving them the ability to handle aggressive liquids.



## Design Features:

### TEFC Motor

The standard electric motor is a totally enclosed fan cooled unit for protection against moisture or dust, and for cool running. All single phase motors are fitted with thermal overload protection.

### Lubricated Pump shaft

The pump shaft runs in oil for lubrication of bottom locating bearings and intermediate bearing.

### Flexible Options

There are a wide variety of options available to customise individual pumps for specific applications including, various column lengths, twin columns, cantilever design, and a variety of construction materials for different components. Special motors and float switch controls are also available.

### Seal Options

Mechanical self adjusting seals are fitted as standard, however you have the option of fitting special high temperature seals for use over 80°C and various seals for special liquids.

## Model 40 & 60 Twin Column Sump Pumps

come as standard with a discharge column up to the motor base plate and in a standard construction of bronze. (other column sump pumps have an optional discharge column).

They have a top opening suction to reduce the chances of drawing sludge from the bottom of the pump.



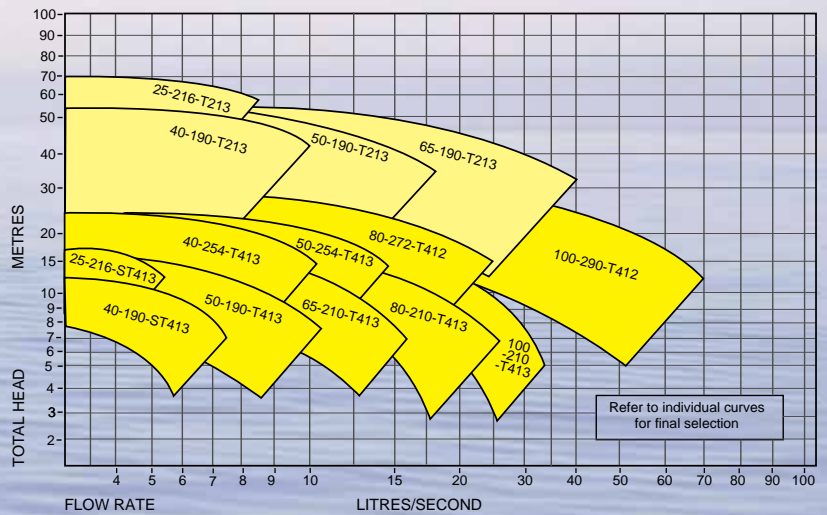


# Material Options:

Standard construction is cast iron with a bronze impeller and stainless steel shaft. Options include all cast iron, bronze, zinc-free bronze and 316 stainless steel. Seal: mechanical - carbon/ceramic mating faces, Options Available: special seals for high temperature and various liquids.

	Cast Iron	Bronze	Z.F. Bronze	Stainless Steel
Casing	✓	✓	✓	✓
Impeller	✓	✓	✓	✓
Shaft	3	3	3	✓

## Performance



### Balanced Impeller

The impeller has been balanced to ensure smooth operation, high efficiency and durability.

### Simple Pump Installation

A steel mounting plate, pre drilled to take mounting bolts is fitted for simple pump installation.

## Applications:

- \* Chemical Production
- \* High Temperature Liquids
- \* Dangerous Chemical Transfer
- \* General Industry



# Column Sump Pumps *Dinflow*

## Design Features:

### Operating Temperatures

The Dinflow Column Sump Pump is fitted with a seal that can accommodate liquid temperatures up to 120°C. Special seals can be fitted to suit different applications. Alternatively sealless cantilever design pumps are available.

### Balanced Impellers

The shrouded impellers have been balanced for smooth operation and maximum efficiency. Some models are available with special vortex impellers to handle liquids with some suspended solids.

### Standard TEFC Motor

Off the shelf, totally enclosed fan cooled motors are fitted as standard and attached to the column shaft via a flexible shaft coupling allowing easy maintenance or replacement if required.

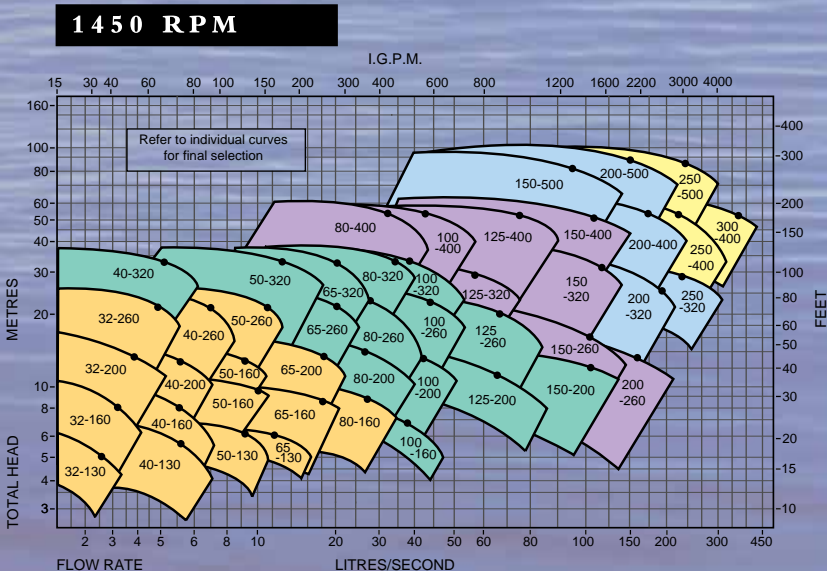
## Material Options:

Most combinations of: Cast Iron, Bronze, Zinc-free Bronze and Stainless Steel are available for casings and impellers. Other materials and special coatings available upon request.

	Cast Iron	Bronze	Z.F. Bronze	Stainless Steel
Casing	✓	✓	✓	✓
Impeller	✓	✓	✓	✓
Shaft	3	3	3	✓
Shaft Sleeve	3	✓	3	✓
Wear Ring	✓	✓	✓	✓

## Applications:

- \* Chemical Production
- \* Dangerous Chemical Transfer
- \* High Temperature Liquids
- \* Industrial Applications



## Available From:

## Regent Pumps:

A.C.N. 006 936 527  
 59-63 Redwood Dve, Dingley Victoria 3172 Australia  
 Phone: (03) 9551 5111 Fax: (03) 9551 7217  
 Int. Ph: (613) 9551 5111 Int. Fax: (613) 9551 7217