

Regent pumps



D i n f l o w

Bare shaft  
Pumps  
centrifugal

# Bare shaft Pumps Dinflow

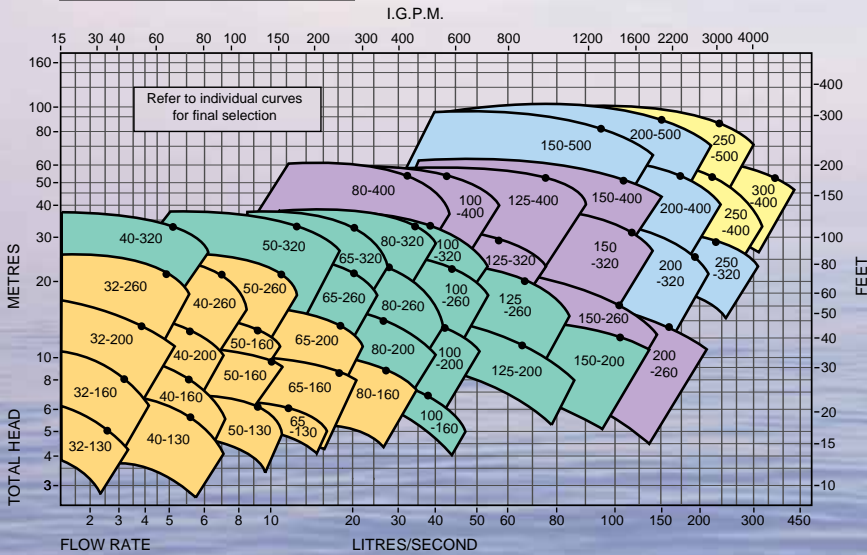
The Regent Dinflow is a single stage end suction centrifugal pump. It provides high performance at an economical cost and is particularly suited to mechanical and fire services as well as being suitable for use in a variety of other applications.

The volute casing is fitted with a replaceable wear ring and is designed to provide a smooth flow into the double shrouded hydraulically balanced impeller.

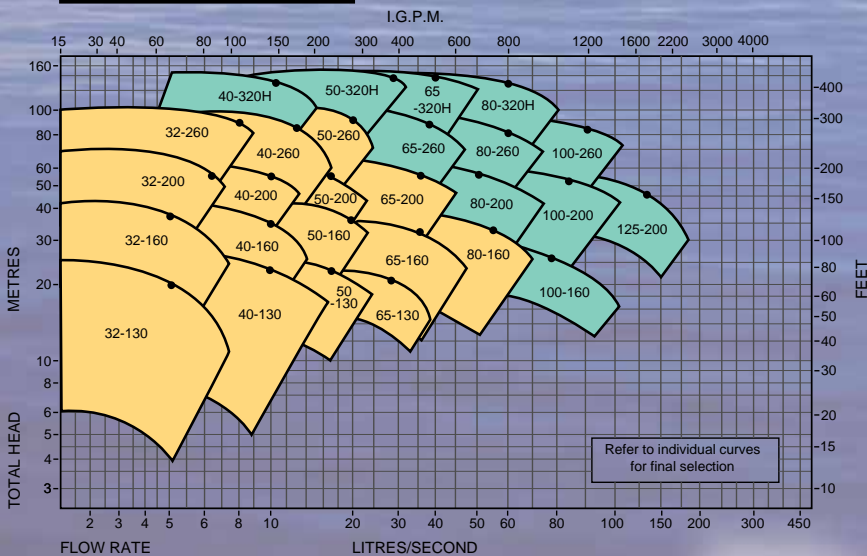
The Dinflow pumps can be fitted with a range of mechanical seals or a simple packed gland depending on the liquid you are pumping. These pumps feature back pull-out design for easy maintenance and are available in a variety of materials.

The Regent Dinflow has been engineered to the stringent International Standard DIN 24255.

## 1450 RPM



## 2900 RPM



## Design Features:

### Operating Temperatures

With standard packed gland - minus 10°C to 105°C. Maximum with cooled stuffing box - 160°C. With mechanical seal - maximum depends upon seal fitted.

### Operating Pressures

Maximum operating pressure 1600kPa. Maximum test pressure up to 2100kPa. (Maximum pressure will vary depending on particular pump model - higher ratings available on application).

### Maximum Speed

Maximum direct coupled speeds for Dinflow pumps vary between 3600 RPM and 1800 RPM, depending upon pump size.

### Back Pull-Out Design

The Dinflow pump is of "Back Pull-Out" design, and when a suitable spacer coupling is fitted to a direct coupled unit, the casing and motor can remain in position while all other pump parts can be removed for simple and quick maintenance.



# 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.

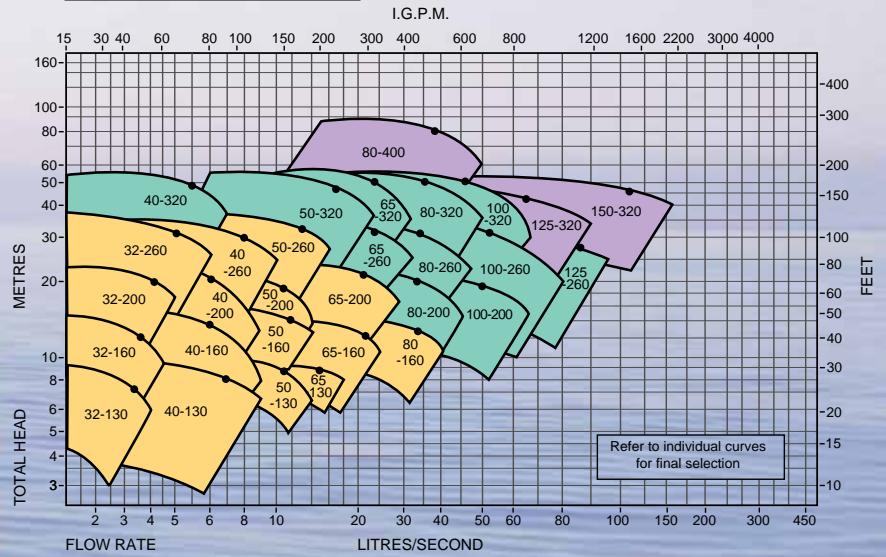
	Cast Iron	Bronze	Z.F. Bronze	Stainless Steel
Casing	✓	✓	✓	✓
Impeller	✓	✓	✓	✓
Shaft	—	—	—	✓
Shaft Sleeve	—	✓	—	✓
Wear Ring	✓	✓	✓	✓

# Applications:

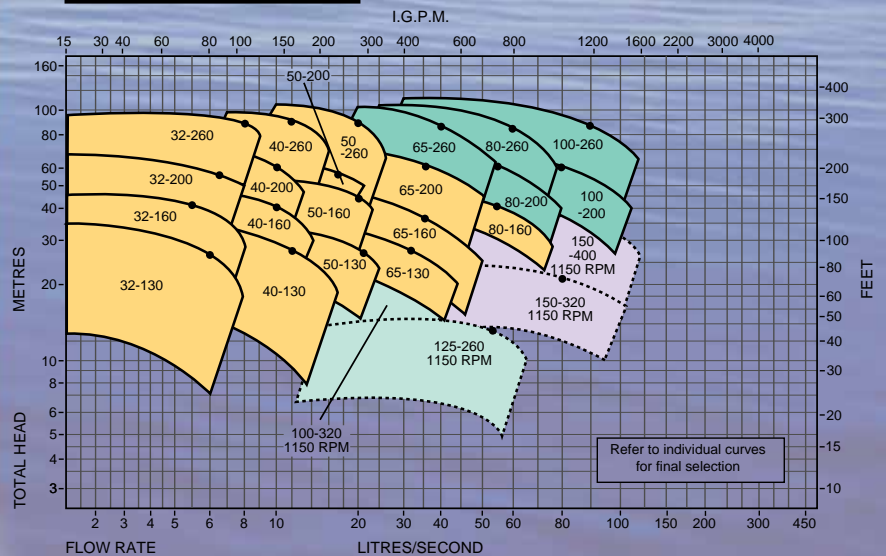
- \* Airconditioning
- \* Heating and Ventilation
- \* Refrigeration
- \* Fire Protection
- \* Plumbing
- \* Circulating
- \* Transfer
- \* Irrigation
- \* Drainage
- \* Water Pressure Boosting
- \* Process Industry
- \* Petroleum Products
- \* General Industry
- \* Food and Drink Manufacture
- \* Water Treatment and Supply
- \* Cooling Towers



## 1750 RPM



## 3500 RPM



## Stuffing Box



Standard pump is fitted with a packed gland. Mechanical seal options available.

## Shaft sleeve

Fully machined hook type shaft sleeve prevents shaft damage under the gland packing which substantially reduces maintenance costs.

## Flanges

Flange dimensions and drilling are according to ISO 2084-16BAR (BS4504-1969 Table 16/11)

## Wear rings

Replaceable wear rings are fitted as standard to all casings and also to back covers on larger pumps which reduces maintenance time and cost.

## Bearings

All models have grease lubricated, sealed for life bearings as standard with the option of oil bath or greaseable bearings available.

## Support Foot

Each pump has a removable support foot fitted at the drive end for greater rigidity.

## Bearing Housing

Rugged cast iron construction with only five bearing housings covering complete range of pumps which give many common interchangeable parts.

## Shaft

Shafts are stainless steel and only 5 sizes are needed to cover all 46 pump models. A domed lock nut secures the impeller.

## Impeller

Double shrouded type is hydraulically balanced, positively driven by shaft key & axially locked between sleeve and impeller nut.

## Casing

The volute casing is of robust design with integrally cast feet, vertical top centreline discharge with axial suction incorporating cast inlet vane to give best flow to impeller eye.



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