

**Regent pumps**



**End suction  
Motor Pumps**

*centrifugal*

D i n b l o c

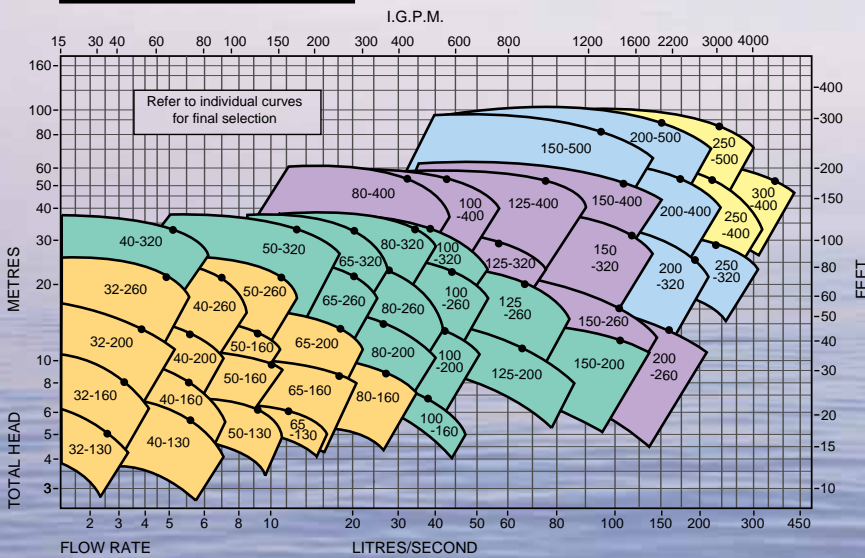
# End Suction Motor Pumps Dinbloc

The Dinbloc End Suction Pump is the close coupled version of the acclaimed Regent Dinflow range. All Regent Dinbloc Pumps use standard "off-the-shelf" TEFC foot and flanged motors and are particularly suited to confined spaces where long coupled units may not fit.

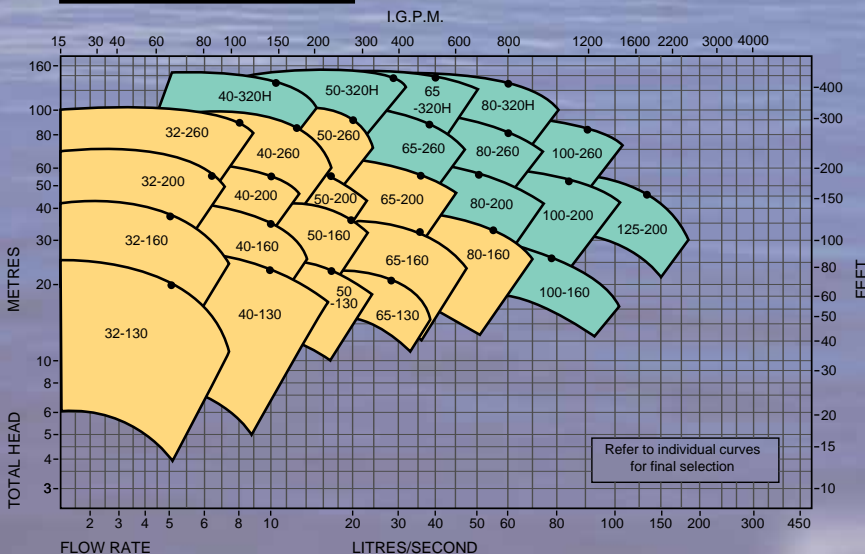
These pumps eliminate costly couplings and the alignment problems sometimes associated with long coupled models. In addition, users have the choice of a range of construction materials, pump discharge positions and a large operating range.

and engineered to be easily serviced with their back pull-out design. This allows removal of the motor/impeller module without disturbing pipework.

## 1450 RPM



## 2900 RPM



## Design Features:

### Standardised Design

Regent Close Coupled Motor Pumps have a cost saving advantage over traditional long coupled centrifugal pump and motor sets.

### Operating Temperatures

With standard Mechanical Seal - minus 20°C to 100°C. Mechanical Seals are available for applications outside these limits.

### 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 Dinbloc pumps vary between 3600 RPM and 1800 RPM, depending upon pump size.

### Back Pull-Out Design

All Dinbloc pumps incorporate the "Back Pull-Out" design allowing the removal of the complete rotating element without disturbing the pipework. This feature enables quick and simple maintenance to take place.

# 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    | ✓         | ✓      | ✓           | ✓               |

## Interchangeability

Many of the Dinbloc components are interchangeable resulting in a reduction in spares requirements, and an initial cost saving.

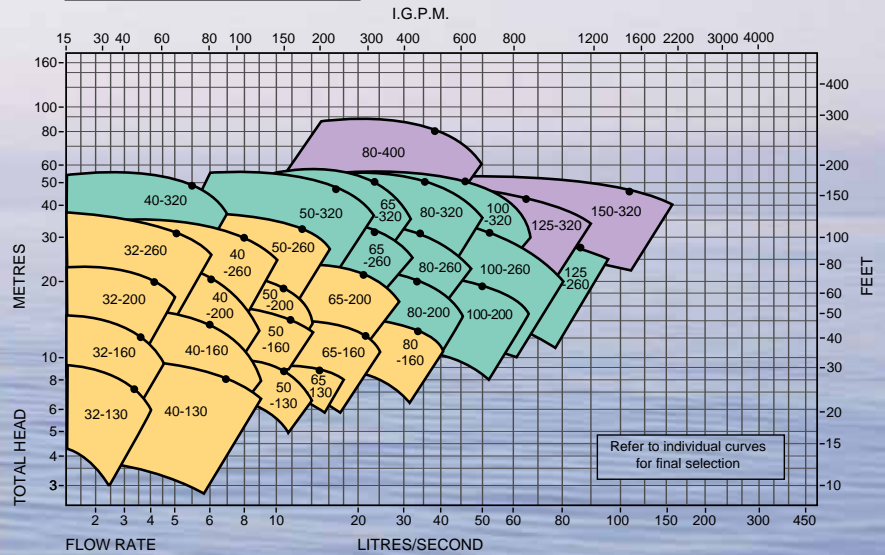
## Motor Options

The design of the Dinbloc range means that readily available standard electric motors are used. Alternatively, a motor to suit your particular specifications can be fitted where special protection classes and enclosures are required, or to suit a certain power supply (i.e. weatherproof, flameproof, 60Hz).

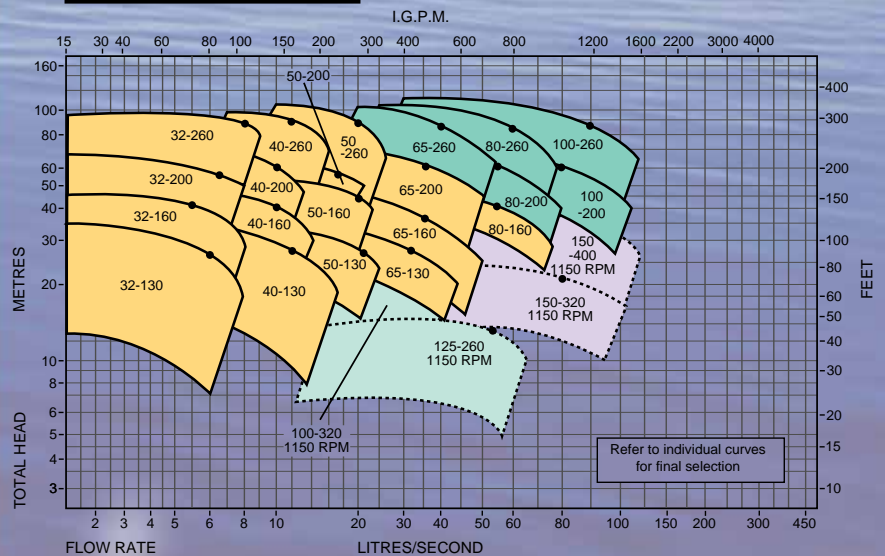
## Applications:

- \* 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

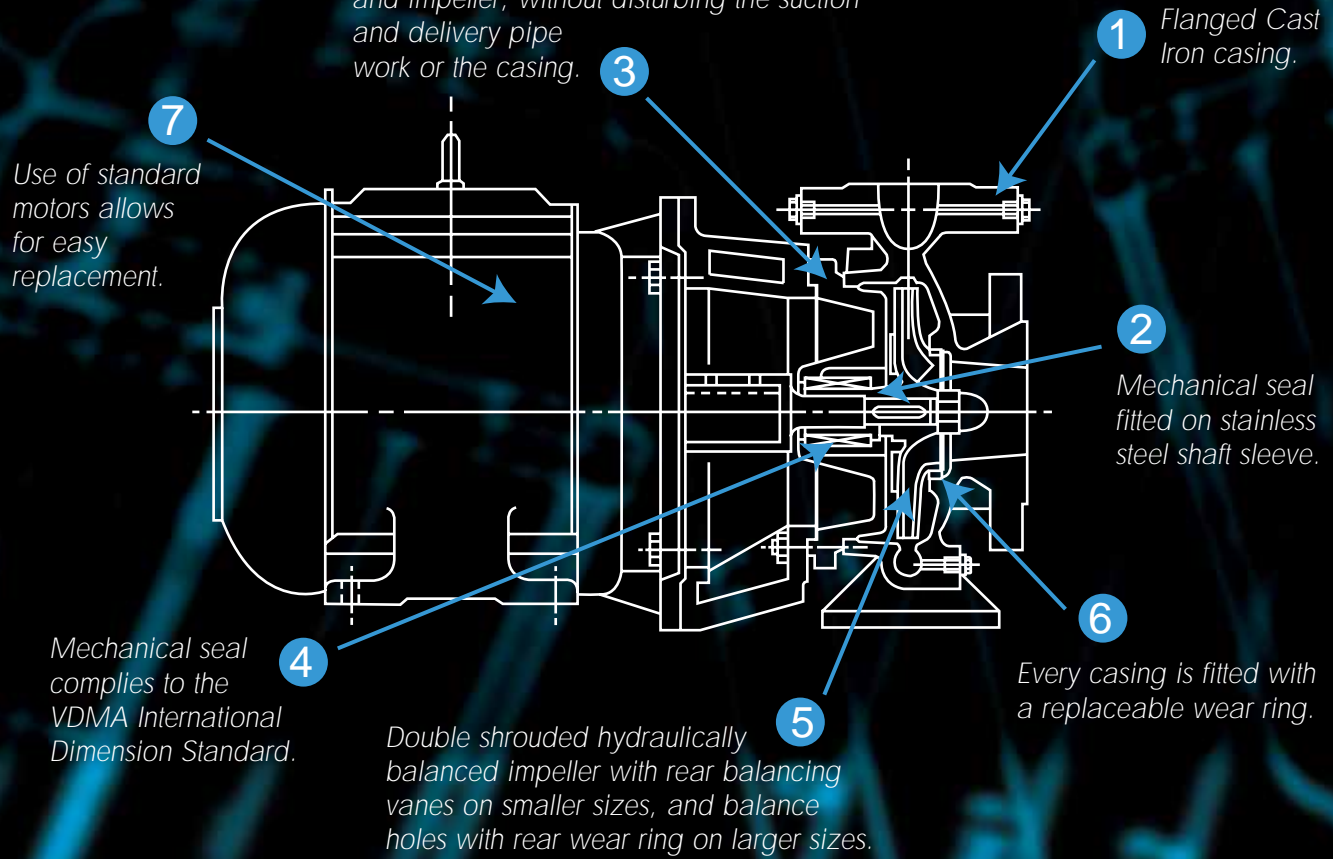
### 1750 RPM



### 3500 RPM



The back pull out feature of this pump allows removal of the motor, support frame and impeller, without disturbing the suction and delivery pipe work or the casing.



1 Flanged Cast Iron casing.

2 Mechanical seal fitted on stainless steel shaft sleeve.

6 Every casing is fitted with a replaceable wear ring.

7 Use of standard motors allows for easy replacement.

4 Mechanical seal complies to the VDMA International Dimension Standard.

5 Double shrouded hydraulically balanced impeller with rear balancing vanes on smaller sizes, and balance holes with rear wear ring on larger sizes.



**Available From:**

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