### ISO Flow Pump Features

**Bearings**
- Heavy duty sealed for life bearings with inboard bearing larger than the drive end bearing which gives greater bearing life and low shaft stresses.

**Stainless Steel Shaft**
- Heavy duty stainless steel shaft is designed for minimum deflection and longer life.

**Bearing Caps**
- Both bearings are fitted with bearing caps which include lip seals to further protect the bearings for longer life.

**Double Shrouded Impeller**
- Double shrouded and balanced impeller of superior hydraulic design gives high efficiency and low running cost.

**Gauge Tappings**
- Are standard on both suction and discharge flanges.

**Stainless Steel Shaft**
- Heavy duty stainless steel shaft is designed for minimum deflection and longer life.

**Water Slinger**
- For extra bearing protection.

**Strong Support Foot**
- At drive end gives greater rigidity.

**Taper Mounted Impeller**
- Is also keyed to the shaft which gives a positive locked drive which ensures resistance to shaft breakage. This is particularly important for regular stopping and starting and diesel driven pumps.

**Shaft Sealing**
- The Regent Isoflow pump is normally fitted with a mechanical seal having Carbon vs. Ceramic faces and Buna N elastomers. Special seals such as Silicon Carbide faces and/or Viton elastomers are readily available. If necessary the Regent Isoflow pump can be fitted with a packed gland and shaft sleeve.

**Shaft Sealing**
- The Regent Isoflow pump is normally fitted with a mechanical seal having Carbon vs. Ceramic faces and Buna N elastomers. Special seals such as Silicon Carbide faces and/or Viton elastomers are readily available. If necessary the Regent Isoflow pump can be fitted with a packed gland and shaft sleeve.

**Available From:**
- Regent Pumps:  
  1-7 Redwood Dve, Dingley Victoria 3172 Australia  
  Phone: (03) 9551 5111  Fax: (03) 9551 7217  
  Int. Ph: (613) 9551 5111  Int. Fax: (613) 9551 7217  
- www.regentpumps.com.au

All specifications are subject to change without notice.
High Efficiency
Excellent hydraulic design coupled with quality manufacturing methods give the Regent Isoflow high efficiencies which gives reduced running costs across the whole range of flows.

Robust Heavy Duty
With sturdy support feet on the casing, rigid high strength bearing housing, strong support foot at drive end, heavy duty shaft, due to over flanged suction and discharge flanges and high casing working pressure, the Regent Isoflow is designed to be strong and durable.

High Suction Characteristics
Advanced technology achieves improved suction performance and allows higher pump speeds.

Easily Serviced
Features such as back pull out of entire rotating element, easy impeller removal due to taper mounting, reusable O-ring sealing between casing and back cover, separate back cover and easy access to seal and gland area make the Regent Isoflow very easy to service.

Complies with ISO 2858
The Regent Isoflow complies fully with ISO Standard 2858, and is therefore dimensionally interchangeable with all pumps conforming to this standard.

Applications:
- Air Conditioning
- Water Pressure Boosting
- Heating and Ventilation
- Fire Protection
- Refrigeration
- Circulating
- Transfer
- Water Treatment and Supply
- Irrigation
- Drainage
- Food and Drink Manufacture
- Petroleum Products
- Factory Pumping
- Process Industry
- General Industry
**High Efficiency**
Excellent hydraulic design coupled with quality manufacturing methods give the Regent Isoflow high efficiencies which gives reduced running costs across the whole range of flows.

**Robust Heavy Duty**
With sturdy support feet on the casing, rigid high strength bearing housing, strong support foot at drive end, heavy duty shaft, flat faced flanged suction and discharge flanges and high casing working pressure, the Regent Isoflow is designed to be strong and durable.

**High Suction Characteristics**
Advanced technology achieves improved suction performance and allows higher pump speeds.

**Easily Serviced**
Features such as back pull out of entire rotating element, easy impeller removal due to taper mounting, reusable O ring sealing between casing and back cover, separate back cover and easy access to seal and gland area make the Regent Isoflow very easy to service.

**Complies with ISO 2858**
The Regent Isoflow complies fully with ISO Standard 2858, and is therefore dimensionally interchangeable with all pumps conforming to this standard.

Flange dimensions are to AS 2129 – 1982, Table E.

---

### Materials of Construction

<table>
<thead>
<tr>
<th>Component</th>
<th>Bronze Fitted</th>
<th>Cast Iron</th>
</tr>
</thead>
<tbody>
<tr>
<td>Casing</td>
<td>Cast Iron</td>
<td>Cast Iron</td>
</tr>
<tr>
<td>Impeller</td>
<td>Bronze</td>
<td>Cast Iron</td>
</tr>
<tr>
<td>Shaft</td>
<td>Stainless Steel</td>
<td>Stainless Steel</td>
</tr>
<tr>
<td>Shaft Sleeve</td>
<td>Not Fitted</td>
<td>Cast Iron</td>
</tr>
<tr>
<td>Lantern Ring</td>
<td>Not Fitted</td>
<td>Cast Iron</td>
</tr>
<tr>
<td>Gland</td>
<td>Not Fitted</td>
<td>Cast Iron</td>
</tr>
</tbody>
</table>

---

### Applications:

- Air Conditioning
- Water Pressure Boosting
- Heating and Ventilation
- Fire Protection
- Refrigeration
- Circulating
- Transfer
- Water Treatment and Supply
- Irrigation
- Drainage
- Food and Drink Manufacture
- Petroleum Products
- Factory Pumping
- Process Industry
- General Industry

---

### Material Specification

<table>
<thead>
<tr>
<th>Material</th>
<th>Component</th>
<th>Australian Standard</th>
<th>Nearest Equivalent Standard</th>
</tr>
</thead>
<tbody>
<tr>
<td>Casing</td>
<td>Casing</td>
<td>AS 1830/T260</td>
<td>BS 1422 GR 030</td>
</tr>
<tr>
<td></td>
<td>Impeller</td>
<td>AS 2738.3</td>
<td>BS 1400 GS 17</td>
</tr>
<tr>
<td></td>
<td>Back Cover</td>
<td>AS 1830/T150</td>
<td>BS 1452 GR 150</td>
</tr>
<tr>
<td></td>
<td>Bearing Housing</td>
<td>AS 1830/T260</td>
<td>BS 1400 GS 17</td>
</tr>
<tr>
<td></td>
<td>Bearing Cap</td>
<td>AS 1830/T260</td>
<td>BS 1400 GS 17</td>
</tr>
<tr>
<td></td>
<td>Gland</td>
<td>AS 1830/T260</td>
<td>BS 1400 GS 17</td>
</tr>
<tr>
<td></td>
<td>Lantern Ring</td>
<td>AS 1830/T260</td>
<td>BS 1400 GS 17</td>
</tr>
<tr>
<td></td>
<td>Shaft</td>
<td>AS 2837/316</td>
<td>BS 970.316 AS 1830/T260</td>
</tr>
<tr>
<td></td>
<td>Shaft Sleeve</td>
<td>AS 2837/316</td>
<td>BS 970.316 AS 1830/T260</td>
</tr>
<tr>
<td></td>
<td>Stainless Steel</td>
<td>AS 2837/316</td>
<td>BS 970.316 AS 1830/T260</td>
</tr>
</tbody>
</table>

---

### Isoflow Range Charts

- **1450 RPM**
- **1750 RPM**
- **2300 RPM**
- **3500 RPM**
**Shaft Sealing**

The Regent Isoflow pump is normally fitted with a mechanical seal having Carbon vs. Ceramic faces and Buna N elastomers. Special seals such as Silicon Carbide faces and/or Viton elastomers are readily available. If necessary, the Regent Isoflow pump can be fitted with a packed gland and shaft sleeve.

**Bare Shaft Pumps**

Regent Isoflow pumps can be supplied complete with motor or engine drive, either close coupled or long coupled and base mounted.

**Bearings**

Heavy duty sealed for life bearings with inboard bearing larger than the drive end bearing which gives greater bearing life and low shaft stresses.

**Stainless Steel Shaft**

Heavy duty stainless steel shaft is designed for minimum deflection and longer life.

**Bearing Caps**

Both bearings are fitted with bearing caps which include lip seals to further protect the bearings for longer life.

**Double Shrouded Impeller**

Double shrouded and balanced impeller of superior hydraulic design gives high efficiency and low running cost.

**Gauge Tappings**

are standard on both suction and discharge flanges.

**Stainless Steel Shaft**

Heavy duty stainless steel shaft is designed for minimum deflection and longer life.

**Water Slinger**

for extra bearing protection.

**Taper Mounted Impeller**

is also keyed to the shaft which gives a positive locked drive which ensures resistance to shaft breakage. This is particularly important for regular stopping and starting and diesel driven pumps.

**‘O’ Ring Seal**

between casing and back cover.

**Rugged Casing**

in grade T260 which is standard for all sizes and has a casing burst pressure which is twice the 16 bar required as a working pressure under the ISO 2858 standard.

**Enclosed Impeller Nut**

to protect shaft thread.

**Available From:**

Regent Pumps:

ABN: 68 006 936 527

1-7 Redwood Dve, Dingley Victoria 3172 Australia

Phone: (03) 9551 5111   Fax: (03) 9551 7217

Int. Ph: (613) 9551 5111   Int. Fax: (613) 9551 7217

www.regentpumps.com.au

All specifications are subject to change without notice.