EBSRAY PUMPS

G Series
All Models
.....for Bitumen Applications
The EBSRAY G SERIES HELICAL GEAR PUMPS are designed and precision built for high flow/high pressure transfer of Bitumen and Bitumen Products in mobile and fixed applications. These pumps handle a range of product viscosities and temperatures and are available in different sizes/capacities.

**Specifications**
- Max Flows to ......................... 1,875 L/min
- Max Differential pressures to ........... 2,000 kPa
- Viscosity to ......................... 1,000,000 cSt
- Temperatures to ....................... 280°C
- Porting ......................... Special High Flow Design
  Refer Dimensions for details

**Features**
- ✓ Hardened Helical Cut Gears for extended service life.
- ✓ Internal or External tank mounting.
- ✓ Reversible Rotation.
- ✓ Low maintenance.
- ✓ Extra heavy duty build - excellent service life.
- ✓ Simple design for ease of maintenance.
- ✓ Excellent Self Priming capability.
- ✓ Enlarged inlet porting.
- ✓ Balanced hydraulic axial thrust.
- ✓ High temperature shaft packing.
- ✓ Pulse-Free Operation
- ✓ Shaft design options available to order

**Typical Services / Industries**
- Road Spraying/Road Tankers
- Recirculation
- Road and Rail Tanker loading/unloading
- Bulk transfer
- Bitumen blending plants
- Cutback and Emulsion duties

**Allied Equipment**
Manufactured by EBSRAY includes Spraybars, Internal Gear Pumps, Lobe Pumps, Vane Pumps and Bypass or Pressure Relief Valves

**Assured Quality and Performance**
EBSRAY's ISO 9001 Quality System assures compliance with high safety and quality standards demanded by the Bitumen Industry.
All Ebsray G Series pumps are run tested and inspected prior to dispatch to guarantee pump integrity and performance in accordance with the specifications.

**All Ebsray Bitumen Pumps, Pumpsets are quality engineered in Australia**
Features

NOTES
1. Pump selection is dependent upon adequate NPSHA (Available) for optimum performance and operation at selected speed.
2. Pump suitability may be affected by Discharge Pressure (Casing pressure), Differential Pressure (Bearing loading), Viscosity of product (Shaft size/torque limitations, sleeve bearing material). Check with EBSRAY or your local Representative as required.
3. For Kinematic Viscosity greater than 20,000 cSt, we recommend conferring directly with EBSRAY or local Representative.
4. Internal pump clearances will affect hydraulic slip. Therefore, slip calculations must be considered for final pump speed determination in every selection. Clearances are determined/affected by: a) pump materials of construction, and/or, b) product temperature, and/or, c) product viscosity, and/or, d) shear sensitivity of product, and/or e) condition of Pump due to service/wear.

Performance

The above graph shows the performance envelope of EBSRAY G Series Helical gear pumps at nominal Differential Pressure = 100 kPa & Viscosity = 100 cSt.
(For actual Performances, refer specific Performance Curves for each Pump Model)
Dimensions

Standard unpacked weight (approx)

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<th>Model</th>
<th>Weight</th>
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<td>G22</td>
<td>89kg</td>
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Warranty
All Ebsray manufactured pumps and equipment are warranted for a full 12 months against faulty workmanship and/or materials. Refer to Ebsray or Factory Appointed Representative.

Note
All specifications and illustrations are typical only and subject to revision without notice. Certified data available on request.

MAJOR PUMP DIMENSIONS (millimetres)

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PUMP MODEL

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