EBSRAY PUMPS

R Series
Model R10

...for LPG applications
The EBSRAY Model R10 Regenerative Turbine Pump is designed and precision built for high flow/high pressure transfer of LPG, Autogas, Propane, Butane, DME and Anhydrous Ammonia.

Specifications
Max Flow at 2900 RPM: 140L/min.
Max Differential Pressure at 2900 RPM: 1375kPa
Hydrostatic Test Pressure: 7000kPa
Max Speed: 3500 RPM
Power Range: 0-7.5kW
Inlet: Flanged 1 1/2" Class 300 ANSI
Discharge: Flanged 1" Class 300 ANSI

Features
- Quiet Operation
- Direct coupled to 2880 RPM or 3500 RPM motors
- Other drive options: Vee belt, engine or PTO
- Low maintenance
- Flanged porting - simple installation
- Balanced Mechanical Seal - precision lapped faces - excellent service lift
- Throttle Bush - increased safety. Meets API 610

Typical Services
- Driveway dispensing (up to 6 hoses)
- Industrial dispensing
- Bulk filling
- Vehicle filling
- Aerosol industries
- Marine dispensing
- Portable tanks
- Agricultural industries
- Cylinder filling
- Forklift refuelling
- Direct burner or vaporizer feed

Allied Equipment
Manufactured by Ebsray includes Submersible, underground, aboveground and tanker/depot pumps, Bypass Valves and vented tamperproof/acoustic enclosures.

Assured Quality & Performance
EBSRAY's ISO9001 Quality System assures compliance with the high safety and quality standards demanded by the LPG industry. All EBSRAY R10 pumps are hydrostatically tested after assembly. They are then run-tested to simulated duty point prior to dispatch to guarantee pump integrity and performance in accordance with the specifications.

All Ebsray LPG Pumps, Pumpsets and Bypass Valves are designed and manufactured in Australia and comply with the requirement of Australian Standard AS1596 and other international Standards and Codes.
**R Series Model R10**

**Performance**

**FLANGED PORTING**
- Ease of installation and service
- ANSI class 300
- Safety enhanced

**IMPELLER**
- Axially self aligning
- Quiet operation
- Gunmetal (Ductile iron optional)

**SEALING**
- ‘O’ ring
- Simple to service

**CASING**
- Robust
- Hydrostatically tested to 7000 kPa after assembly
- ‘O’ ring sealed
- Ductile iron to ASTM A395

**SHAFT**
- High tensile
- Low deflection
- Ground surfaces

**BEARINGS**
- Heavy duty
- Grease packed

**BEARINGS BRACKET**
- Compact design
- Robust construction

**THROTTLE BUSH**
- Increased safety
- Industry accepted
- Complies with API 610
- Gunmetal

**SHAFT SEAL**
- EBSRAY Balance Mechanical seal
- Lapped to precision tolerances
- Carbon against Nirestat – standard sealing face

**EXAMPLE**

Differential pressure........700kPa
Flow.................................90L/min
Input power.......................3.25 kW

Note:
For 60 Hz (3500 RPM) operation, refer to specific performance curve.
### Dimensions

**MODEL R10 PUMP and/or Pumpset**  
Motor Frame 112M Typical only

- **Body**: Ductile Iron  
- **Cover**: Ductile Iron  
- **Impeller**: Gunmetal  
- **'O' Ring-Cover**: Nitrile  
- **Impeller Key**: Steel  
- **Bracket**: Cast Iron  
- **Shaft**: High Tensile Steel  
- **Bearing-Inspection End**: Commercial  
- **Bearing-Drive End**: Commercial  
- **Circlip**: Steel  
- **'O' Ring-Bracket**: Nitrile  
- **Throttle Bush**: Gunmetal  
- **Seal Seat**: Carbon  
- **Rotating Seal Face**: Niresist  
- **Seal Sleeve**: Steel  
- **Grub Screw-Seal Sleeve**: Stainless Steel  
- **Drive Pin-seal sleeve**: Steel  
- **Seal Spring**: Stainless Steel  
- **'O' Ring-Shaft**: Nitrile  
- **'O' Ring-Seal Sleeve**: Nitrile  
- **'O' Ring-Seal seat**: Nitrile

**Weights**  
(approx./unpacked)  
Bareshaft Pump: 31kg  
Pumpset: 101kg

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

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**Quality Endorsed**  
**Company**  
**ISO 9001**  
**Lic 3332**  
Standards Australia