

# MODEL ZB120 AND Z580

## EBSRAY® Z SERIES INTERNAL GEAR PUMPS



Where Innovation Flows

## ***Ebsray®***

Lightweight, robust and compact – Ebsray® Z Series Internal Gear Pumps are designed for flexibility and the efficient transfer of liquids with either lubricating or non-lubricating characteristics. Featuring a maximum flow rate of 23.6 L/min (6.23 gpm), the Z Series is manufactured under strict guidelines and tested to ensure reliable performance and a long, trouble-free service life.

### APPLICATIONS

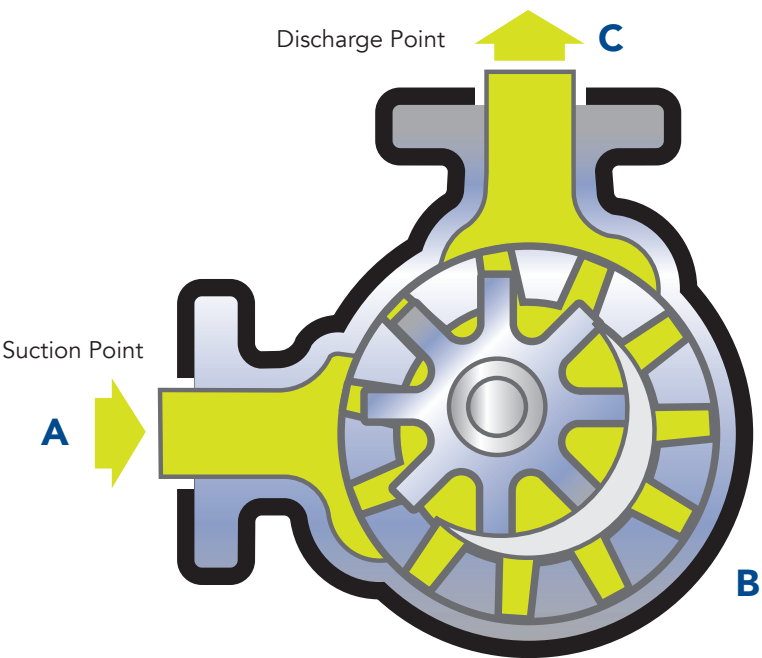
- Fuel oils
- Lube oils
- Distillate
- Petrol
- Kerosene
- Solvents
- Paints
- Transformer oils
- Vegetable oils
- Chemicals

### FEATURES AND BENEFITS

- Quiet operation
- High overall efficiency
- Low maintenance, long life
- Easy pull-out construction
- Replaceable internal wearing parts
- Direct coupling to synchronous speed motors up to 1800 rpm
- Lightweight, compact and robust
- Integral adjustable bypass valve
- Mechanical seal or packed gland

# Assured Quality and Performance

All Ebsray pumps are manufactured under strict guidelines and procedures to help manufacturers ensure a safe and reliable operation. Specifically, Z Series Internal Gear Pumps utilize low-maintenance components to offer a long working life with trouble-free service. Additionally, Ebsray spare parts are readily available with close tolerance, ensuring quick replacement and interchangeability.



## Pumping Performance

- A. Liquid is drawn into the pump through the suction port.
- B. Liquid is transferred from the suction to the discharge side of the pump.
- C. As teeth mesh, liquid is forced out through the discharge port.

## Product Specifications

MODEL	MAX. FLOW RATE	MAX. DIFFERENTIAL PRESSURE	MAX. VISCOSITY	MAX. TEMPERATURE
ZB120	11.4 L/min (3 gpm)	<20 cSt 1,400 kPa (203 psi)  >20 cSt 2,000 kPa (290 psi)	10,000 cSt	Mechanical Seal 100°C (212°F)
Z580	23.6 L/min (6.23 gpm)			Hydraulic Packing 200°C (392°F)

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**Ebsray**

PSG Australia  
156 South Creek Road  
Cromer NSW 2099 Australia  
P: (+61 2) 9905 0234  
sy.sales@psgdover.com  
[psgdover.com/ebsray](http://psgdover.com/ebsray)

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