

PJM TEC CO. , LTD

YzR Pump Description

Model: YzR-1



Manufacturer : PJM TEC CO.,LTD

Address : Liaobu Industry Park,Donghuan city,Guangdong Province,China.

Contactoer : Kevin Ho

E-mail : sales@pjmttec.com

Mobile : 0086 13790589597

Postcode : 523408

1. Structure

The YzR-1 DC pump is equipped with an electronically commutated spherical motor.



◇ Spherically Shaped Rotor

Spherically shaped rotor is a spherically shaped Rb-Fe-B magnet embedded by stainless steel sheet with pump impeller.



◇ Ceramic Bearing Ball

Pump rotor is held on a bearing ball made of ultra-hard and wear-resistant ceramic.



◇ Bowl Shaped Shaft

A bowl shaped shaft injected on bottom of rotor.



PJM TEC CO. , LTD

◇ Feature of Structure

The bowl shaped shaft and ceramic bearing ball are touched when pump is running at low speed, but they are not touched when pump is running at high speed, because the strength between impeller and water will be in balance with strength between stator and rotor. This is why the pump is Running Very Quietly and Smoothly over its whole lifespan.

2. Technical specifications:

- Rated voltage: 12V DC
- Power consumption: 23W
- Pressure head: 3,7m
- Maximum flow: 1800l/h
- Maximum system temperature: 60 °C
- Connectors: 2 (inlet and outlet)x 21mm barbed fittings
- Nominal current (@12V): 2 amps
- Motor type: Brushless, microprocessor controlled
- MTBF: 50,000 Hours
- Weight: 1.4 LB, 650g
- Compact size allows installation almost anywhere in the case

3. Markets / Applications

- Fluid circulation/recirculation devices
- Hydronic Heating Systems
- Marine
- Recreational Vehicles and Public Transit
- Fuel Cells
- Laser Cooling
- Thermal Therapy
- Chillers
- Solar Thermal

4. Dimension

