

Regent pumps

A U S T R A L I A

founded 1948

RPSPT/U Series

Self Priming Trash & Sewage Pumps



Dirty Water

Sewage

Saline Water

Acidic & Caustic

Dieseline

Light oil



..... all about moving fluids

RPSPT/U Series

Self-Priming Trash & Sewage Pumps



RPSPT Series Self Priming Trash and Sewage Pump is designed for handling solids up to 75mm in diameter and is suitable for many pumping applications from clean water to caustic fluids. Pump has an inspection hole for easy and quick maintenance and clean up. Suction line can be laid over undulations, air pockets are discharged with water and do not impede the priming operation. Stainless steel versions can also be used for pumping chemically aggressive liquids. The self priming characteristics of this range eliminate the need to use a foot valve.

DESIGN FEATURES

- Mechanical Seal or pack glands
- Open impeller option
- Various option of construction materials to suit a specific application
- Adjustable or select correct wear plate to control impeller clearance and efficiency
- Closed impeller option for high flow and efficiency
- Cleaning cover for easy and quick cleaning or removal of clogging.
- Back Pull out feature
- Oil Lubricated Bearings

CONSTRUCTION MATERIALS

| Part | Off | A 60-40-18 | A216 | ANSI 4010HT | ADI | CD4 MCU | SAE 1020 | SS316 | ANSI 17-4 |
|-----------------|-----|------------|------|-------------|-----|---------|----------|-------|-----------|
| Casing | Std | - | - | - | Opt | Opt | - | Opt | - |
| Impeller | - | Std | Opt | - | Opt | Opt | - | Opt | - |
| Wear Plate | - | - | Opt | - | Opt | Opt | Std | Opt | - |
| Cover Plate | Std | - | Opt | - | Opt | Opt | - | Opt | - |
| Bearing Housing | Std | - | - | - | Opt | Opt | - | Opt | - |
| Seal Plate | Std | - | Opt | - | Opt | Opt | - | Opt | - |
| Sleeve Shaft | - | - | - | Std | - | - | - | - | Opt |
| Flange | Std | - | - | - | Opt | - | - | Opt | - |
| Impeller Shaft | - | - | - | Std | - | - | - | - | Opt |

- Legends** **Std = Materials offer as Standard supply**
Opt = Materials available as Option on request
- = Materials Not Available

Note:

- A 48 CL 30 : Cast Iron (ASTM 48, Class 30)
- A 60-40-18 : Ductile (SG) Iron
- A 216 : Carbon Steel
- ANSI 4140 HT : Chromium Steel
- ADI : Austempered Ductile Iron. Superior abrasion resistance to Ni-Hard and Ni-Resist.
- SEA 1020 : Carbon Steel wit small amount of Manganese, Phosphorus and Sulphur.
- CD4 MCU : A Duplex stainless steel with high Chromium (24 – 26%) and lower Nickel than SS316. Contains 2-3% of copper & Molybdenum. Excellent chemical resistance and resistant to abrasion

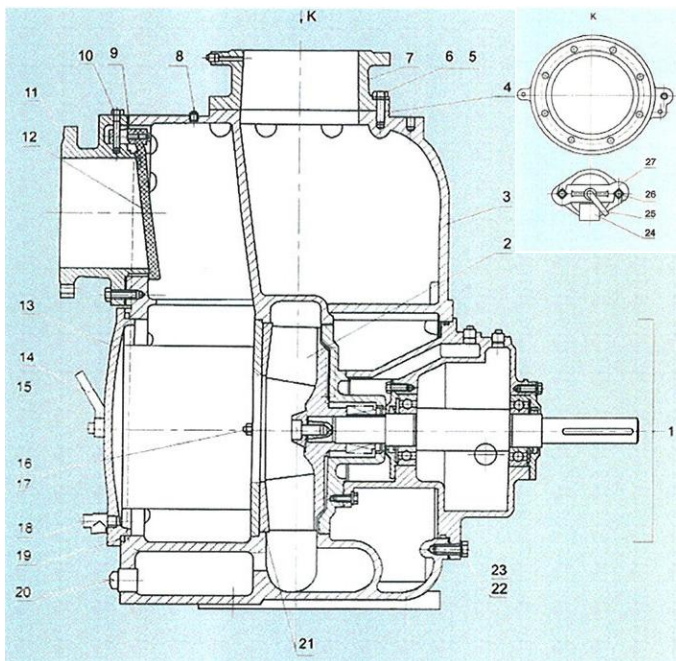
TECHNICAL DATA

| Model | Max Flow | Max Head | Max Suction | Max Speed | Max power | Max Solids | Inlet / outlet |
|-----------|----------|----------|-------------|-----------|-----------|------------|----------------|
| RPSPT-2" | 13 l/s | 36 M | 7.6 M | 2900 rpm | 7.5kW | 1.75" | 2" x 2" |
| RPSPT-3" | 30 l/s | 35 M | 7.6 M | 2150rpm | 15kW | 2.5" | 3" x 3" |
| RPSPT-4" | 45 l/s | 35 M | 7.6 M | 1950rpm | 23kW | 3" | 4" x 4" |
| RPSPT-6" | 92 l/s | 33 M | 7.6 M | 1550rpm | 30kW | 3" | 6" x 6" |
| RPSPT-8" | 167 l/s | 34 M | 7.0 M | 1350rpm | 50kW | 3" | 8" x 8" |
| RPSPT-10" | 215 l/s | 39 M | 6.7 M | 1450rpm | 85kW | 3" | 10" x 10" |
| RPSPT-12" | 360 l/s | 43 M | 4.9 M | 1250rpm | 90kW | 3" | 12" x 12" |

High Head Models

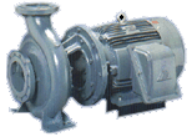
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|----------|--------|------|-------|---------|------|---------|---------|
| SPU-3" | 24 l/s | 62 M | 7.6 M | 2150rpm | 20kW | 1.1875" | 3" x 3" |
| RPSPU-4" | 41 l/s | 59 M | 5.2 M | 2150rpm | 32kW | 1.125" | 4" x 4" |
| RPSPU-6" | 86 l/s | 58 M | 4.5 M | 1950rpm | 55kW | 1.25" | 6" x 6" |

PUMP PARTS



- 1 – Rotor Assembly
- 2 – Name Plate
- 3 – Pump Casing
- 4 – Discharge Washer
- 5 – Screw
- 6 – Washer
- 7 – Discharge Outlet
- 8 – Plug
- 9 – Suction Washer
- 10 – Pin
- 11 – Suction Inlet
- 12 – Check Valve
- 13 – Front Cover
- 14 – Handle
- 15 – Screw
- 16 – Nut
- 17 – Washer
- 18 – Vent Valve
- 19 –)-ring
- 20 – Plug
- 21 – Wearplate
- 22 – Screw
- 23 – Washer
- 24 – Seal Cover
- 25 – Locking handle
- 26 – Plut
- 27 – Locking Plate

Other Regent Pumps Range



Dinbloc /ISObloc
Direct Coupled



Dinflow/ISOflow – Bare Shaft



Linebloc- DIN/ISO



RPTS-Single or Multiple outlets –
Horizontal Multistage Pump



Vertical Turbine Pump
Submersible Pump



RPZ – API610



RPAH– Slurry Pump



Megaflow
Horizontal Split case



RPSP Submersible
Sewage Pump



RPAP - Submersible
Aerator



VSD's Booster Pump
System



Engine Drive Fire Pumps



Trailer Pump Engine Driven

Regent Pumps – Wide Ranging Applications



- Agricultural Irrigation
- Water treatment / RO System
- Mining
- Oil & Gas
- Power Station
- Marine Fire Fighting to FiFi I, II & III
- Palm Oil
- Chemical Plants
- Commercial / Industrial Buildings / Factory
- Leisure Park / Fountains
- Site Drainage
- Public Utilities Pumping Stations
- Sewage Plants
- Food Industries
- Marine – sea water pumps

✓ Quality

✓ Quick Delivery

✓ Reliability

✓ Customer Specific Need

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