

Regent pumps

A U S T R A L I A

founded 1948

RPSP-Q Series

Submersible Pumps

For Sewage and Wastewater Effluent



..... all about moving fluids

RPSP Series

Submersible Sewage Pumps

RPSP Series Submersible Sewage and Wastewater Pump - optimum for Sewage, Wastewater and Process Dewatering applications for various industries and municipalities. Compact heavy duty construction and reliable operations.. Free standing type or Duckfoot type (Auto Coupling Discharge Elbow Assembly)

Design Features

- ✦ Auto-coupling system for easy maintenance
- ✦ Leakage sensor protection of motor windings
- ✦ With agitator head option suitable as submersible sludge pump
- ✦ Electric motor Insulation Class F, PTC fitted per phase for over temperature protection
- ✦ Non-Choking - Non-clogging impeller provides wider passage space which can cope with solid handling without choking.
- ✦ Pumps over 18.5kW can operate without being fully submersed – a water circulation cooling system is part of the pump construction.

General Applications

- ❖ Sewage Pumping Pits
- ❖ Sewage Treatment Plants
- ❖ Waste Effluent
- ❖ Septic Tank
- ❖ Flood Control and Emergency
- ❖ Drainage of Waste Disposal

Operation Parameters

Outlet Diameter : 50mm ~ 600mm

- ❖ Capacity : Up to 5000m³/h
- ❖ Head : 5 ~ 100M
- ❖ Power : Up to 315kW
- ❖ PH of liquid : 5 ~ 9

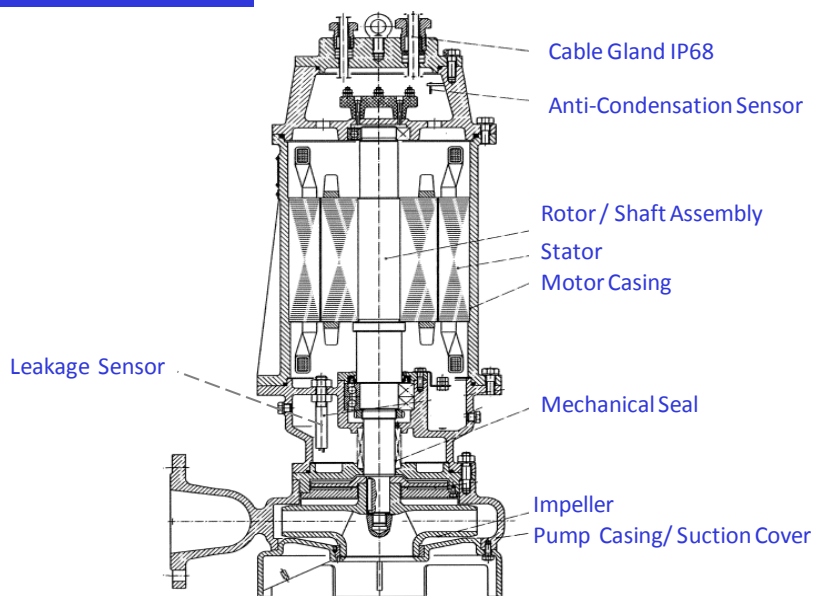


Materials of construction

Part	Standard Material	DIN	* Other Material	DIN
Upper Casing	Cast Iron	GG20	Cast Iron Cast Iron 304 Stainless Steel 316 Stainless Steel	*GG25 * GGG40 *1.4301 •1.4401
Motor Housing	Cast Iron	GG20	Cast Iron Cast Iron 304 Stainless Steel 316 Stainless Steel	*GG25 * GGG40 *1.4301 * 1.4401
Impeller	Cast Iron	GG25	Cast Iron 304 Stainless Steel 316 Stainless Steel	* GGG40 * 1.4301 * 1.4401
Suction Cover	Cast Iron	GG25	Cast Iron 304 Stainless Steel 316 Stainless Steel	* GGG40 *1.4301 * 1.4401
Pump Casing	Cast Iron	GG25	Cast Iron 304 Stainless Steel 316 Stainless Steel	*GGG40 *1.4301 * 1.4401
Shaft	420 Stainless Steel	1.4021		
External Bolts & nuts	304 Stainless Steel	1.4301		
Discharge Elbow	Cast Iron	GG25	304 Stainless Steel	*1.4301

* Other materials as option available on request

Cross Section



RPSP Series

Submersible Sewage Pumps

Specifications

Model	Speed (rpm)	Flow (m3/h)	Head (m)	Motor kW	Pump Eff. (%)	Outlet (mm)
RPSP-Q660-12-30	980	660	12	30	72	150
RPSP-Q260-28-37	1470	260	28	37	52	150
RPSP-Q720-12-37	1470	720	12	37	61	250
RPSP-Q250-30-45	1470	250	30	45	70	150
RPSP-Q600-15-45	1470	600	15	45	74	250
RPSP-Q1000-9-45	980	1000	9	45	76	250
RPSP-Q250-40-55	1470	250	40	55	70	200
RPSP-Q1000-13-55	980	1000	13	55	76	300
RPSP-Q1600-8-55	740	1600	8	55	78	400
RPSP-Q400-30-75	1470	400	30	75	63.5	300
RPSP-Q2000-8-75	740	2000	8	75	79	400
RPSP-Q400-40-90	1470	400	40	90	63.5	300
RPSP-Q2000-10-90	980	2000	10	90	79	400
RPSP-Q3000-6-90	740	3000	6	90	81	500
RPSP-Q650-37-110	1470	650	37	110	74.3	250
RPSP-Q2000-13.5-110	980	2000	13.5	110	79	400
RPSP-Q4000-6-110	740	4000	6	110	81.5	500
RPSP-Q650-45-132	1470	650	45	132	74.3	250
RPSP-Q1300-24-132	980	1300	24	132	77.5	400
RPSP-Q3000-10-132	740	3000	10	132	81	500
RPSP-Q650-50-160	1470	650	50	160	74.3	250
RPSP-Q1300-26-160	980	1300	26	160	77.5	400
RPSP-Q3000-13-160	740	3000	13	160	81	500
RPSP-Q500-70-185	1470	500	70	185	70	300
RPSP-Q2000-20-185	980	2000	20	185	79	500
RPSP-Q4000-10-185	740	4000	10	185	79	600
RPSP-Q500-75-200	1470	500	75	200	70	300
RPSP-Q3000-15-200	980	3000	15	200	80	500
RPSP-Q4000-11-200	740	4000	11	200	79	600
RPSP-Q600-75-220	1470	600	75	220	72	300
RPSP-Q1300-35-220	980	1300	35	220	77	400
RPSP-Q4000-12-220	740	4000	12	220	80	600
RPSP-Q600-80-250	1470	600	80	250	72	300
RPSP-Q1300-45-250	1470	1300	45	250	62	300
RPSP-Q3000-20-250	980	3000	20	250	81	500
RPSP-Q4000-15-250	740	4000	15	250	80	600
RPSP-Q700-80-280	1470	700	80	280	72	300
RPSP-Q3000-24-280	980	3000	24	280	82	500
RPSP-Q4500-15-280	740	4500	15	280	80	600
RPSP-Q600-100-315	1470	600	100	315	70	300
RPSP-Q3000-25-315	980	3000	25	315	80	500
RPSP-Q5500-14-315	740	5500	14	315	81	600

Note; other performance specifications not listed above may available, please make enquire to Regent Pumps or Authorised agent

INSTALLATION TYPES

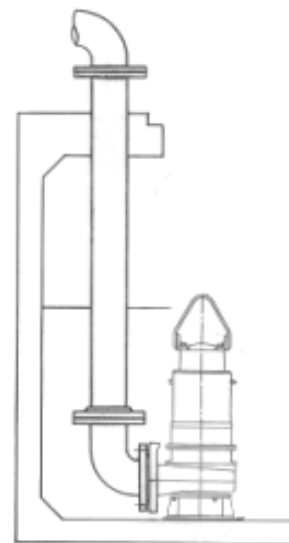
Free Standing Type

Suffix 'FS ' is put at the end of the model No.

Submersible pumps can be installed directly on the pit floor with strainer or suction cover or stand fitted .

Discharge is manually connected directly to pipe only by an elbow .

Merely disconnecting the pipe, the pump can be removed for maintenances.

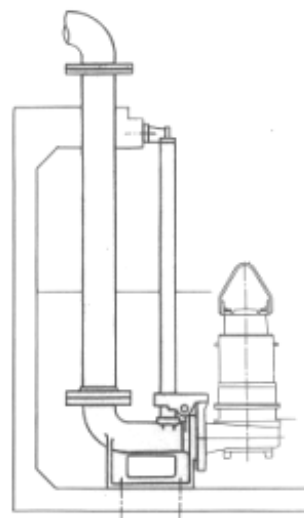


Auto Coupling System

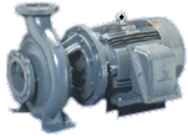
Suffix 'AC ' is put at the end of the model No.

This pump Series can also be installed with an "Auto Coupling System, thus can lowered into the pit for permanent installation without anyone entering into the pit, without disconnecting any piping for inspection and maintenance.

When lowered into position, pumps automatically seal to a 'Duckfoot' (Discharge Elbow) by the pump's own weight without the use of bolts or special tools.



Other Regent Pumps Range



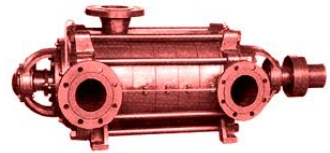
Dinbloc / ISObloc
Direct Coupled



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



Self-Priming



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

Available From

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