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# Submersible Pump

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## Installation and Operating Instructions

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### Models

JS100	JS100A	JS100MA	GS750	GS750A	
JS150	JS150A	JS150MA	GS1200	GS1200A	
JS250	JS250A	JS250MA	GS1500	GS1500A	
JS400	JS400A	JS400MA	RS100	RS100A	RS100MA
JS420	JS420A	JS420MA	RS250	RS250A	RS250MA
JS530	JS530A		RS400	RS400A	RS400MA
JS750	JS750A		RS550	RS550A	
JS1500	JS1500A		RS650	RS650A	
JS100SV	JS100SVA	JS100SVMA	RS750	RS750A	
JS150SV	JS150SVA	JS150SVMA	RS1500	RS1500A	
JS250SV	JS250SVA	JS250SVMA	RSD150	RSD150A	RSD150MA
JS400SV	JS400SVA	JS400SVMA	RSD250	RSD250A	RSD250MA
JS650SV	JS650SVA		RSD400	RSD400A	RSD400MA
JS750SV	JS750SVA		RS400AL		
JS1500SV	JS1500SVA		RS750AL		
JS750S	JS750SA				
JS1500S	JS1500SA				
JS750SK	JS750SKA				
JS1500SK	JS1500SKA				

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# Installation & Operating Instructions

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Range of Submersible Pumps are suited for the small to medium De-watering (or recirculating) applications.

They are extremely quiet in operation which makes them ideal for applications within residential areas for sullage pits, pool emptying, waterfalls and general drainage.

## Other ideal applications are:

Lift Wells

Car Park Sumps

Basements

Cable Pits, etc.

This Submersible Pump has been factory checked prior to delivery; however, please check for any damage during transport.

Sales and service is available from Pumps or Authorised Dealers.

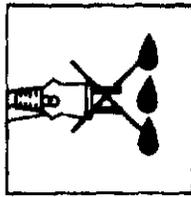
## Do Not

- Lift the pump by the motor lead
- Run the pump dry
- Attempt electrical repairs
- Run the pump with the motor fully exposed for long periods
- Install the pump on soft or loose ground

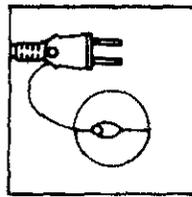
## CAUTION:



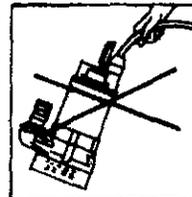
DON'T OPERATE IF PUMP SUBMERSED BY SAND.



KEEP PLUG DRY.



FOR SAFETY PUT POWER BREAKER.



DON'T LIFT OR CARRY THE PUMP BY POWER CABLE.

## Installation

The Pump is completely submersible and should be placed on a solid flat surface (if not available sit the pump on timber or house bricks) in the vertical position. Automatic versions should be placed in a sump which has adequate dimensions so as not to restrict the movement of the float switch.

**AUTOMATIC PUMP** has been factory set to provide the correct ON-OFF switching mode. Always use the biggest diameter hose possible, a better flow is obtained and the pump will work easier. All hose can be obtained from our factory if required. This pump is not a slurry pump, It cannot pump stones.

**18TH EDITION IEE REGULATIONS. ALWAYS USE A POWER BREAKER WITH OUTSIDE ELECTRICITY. IF IN DOUBT CONSULT AN APPROVED NICEIC ELECTRICIAN.**

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## Fault Checks

### (A) Pump will not start:

#### (1) MANUAL TYPE

- Power switched ON
- Blown fuse (consult an electrician)
- If \* extension lead fitted check connection
- Impeller jammed
- Thermal cut out switch has not reset (5 minutes)
- If pump does not start from new then the seal has possibly stuck due to the length of time it has been standing since it was manufactured. In this case, remove bottom strainer and turn the impeller nut clockwise with a pair of pliers, this will release the initial friction on the seal and once the power is connected will allow the pump to work.

#### (2) AUTO TYPE (WITH FLOAT SWITCH)

- Check all in (1) above
  - Float switch jammed against sump side wall
  - Insufficient liquid to place the float switch in the ON position i.e. higher than the horizontal
  - **If fitting an extension lead a QUALIFIED ELECTRICIAN should be consulted to ensure correct rating is provided.**
- If float switch is faulty a qualified electrician should replace. Float switches are available from your local Supplier.

### (B) Pump will start but does not pump:

- Insufficient liquid in sump
- Strainer blocked
- Impeller blocked
- Impeller damaged
- Entrained air present
- Excessive back pressure

### (C) Pump will not stop:

#### (1) MANUAL TYPE

- Must be switched off at the power supply

#### (2) AUTO TYPE (WITH FLOAT SWITCH)

- Float switch is prevented from moving to the fully down position
- Float switch may be faulty

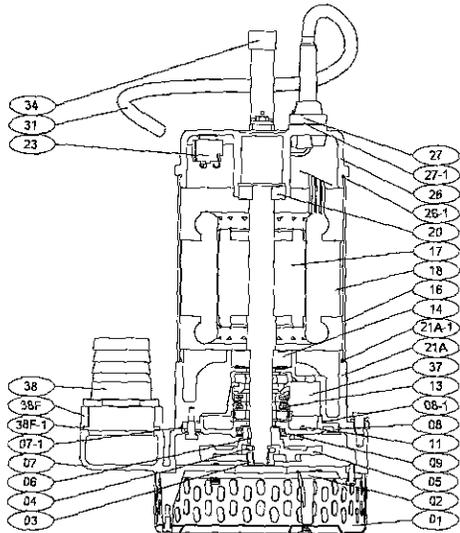
Do not run dry as this will damage the seal and reduce the life of the pump.

With simple cleaning and regular examination this pump should give many years of service.

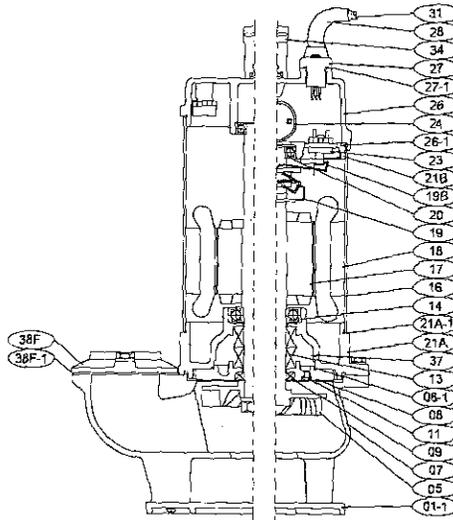
For a full spares and repair service on any of our pumps send pump properly packed and post paid to

- (D) • Do not dispose of electrical appliances as unsorted municipal waste, use separate collection facilities.  
• Contact your local government for information regarding the collection systems available.  
• If electrical appliances are disposed of in landfills or dumps, hazardous substances can leak into the groundwater and get into the food chain, damaging your health and well-being.  
• When replacing old appliances with new ones, the retailer is legally obligated to take back your old appliance for disposal at least for free of charge.
- (E) • Don't use in swimming pool.  
• Pollution of the liquid could occur due to leakage of lubricants.  
• pumps for outdoor fountains, garden ponds and similar places have to be supplied through a RCD (operating current < 30 mA).  
• The supply cord cannot be replaced, if the cord is damaged the appliance should be scrapped.
- (F) • This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Children should be supervised to ensure that they do not play with the appliance.
  - If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
  - The pump must not be used when people are staying in the water.
  - The pump must be supplied through a residual current device (RCD) with a rated residual operating current < 30 mA.
  - Pollution of the liquid could occur due to leakage of lubricants,

JS



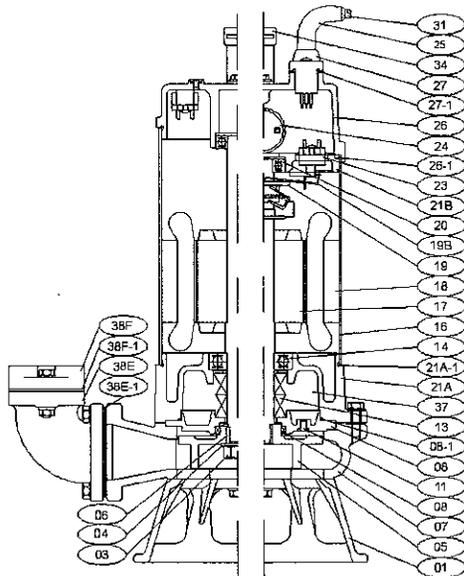
SV



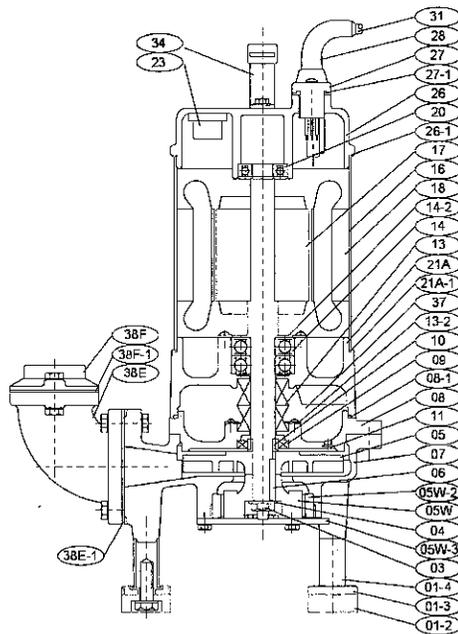
NO.	DESCRIPTION
01	STRAINER / STAND (S/SK)
01-2	BOTTOM PLATE / CUSHION
01-3	STAND COVER (GS)
01-4	STAND SLEEVE (GS)
01D	STRAINER (NO HOLES)
01D-3	CHECK FLAP VALVE
01D-4	RUBBER CUP
02	SUCTION COVER
03	NUT (FOR 17)
04	WASHER (FOR 17)
05	IMPELLER
05W	AGITATOR / GRINDER (GS)
05W-2	GRINDER RING
05W-3	GRINDER RING HOLDER
06	KEY
07	PUMP HOUSING
07-1	ORING
08	OIL CHAMBER COVER
08-1	ORING
09	LIP SEAL (BOTTOM) FOR 08
10	SHAFT SLEEVE
11	PLUG
13	MECHANICAL SEAL
14	BEARING (BOTTOM)
16	MOTOR CASING
16i	PUMP OUTER CASING
16i-1	ORING

NO.	DESCRIPTION
17	ROTOR SHAFT
18	STATOR COIL
19	GOVERNOR SWITCH
19B	GOVERNOR SWITCH PLATE
20	BEARING (UP)
21A	BOTTOM BEARING HOLDER
21A-1	ORING
21B	MOTOR UPPER COVER
23	OVERLOAD PROTECTOR
24	CONDENSER (TO RUN)
26	UPPER COVER
26-1	ORING
26W	UPPER COVER (FOR 16i)
26W-2	UPPER COVER (FOR 16i CABLE COVER)
27	CABLE GLAND
27-1	ORING
28	RUBBER SLEEVE
31	CABLE
34	HANDLE (EYEBOLT)
34-1	GASKET
37	LUBRICANT OIL
38	DISCHARGE OUTLET
38E	ELBOW
38E-1	GASKET
38F	FLANGE (THREAD INSIDE)
38F-1	GASKET

## S, SK



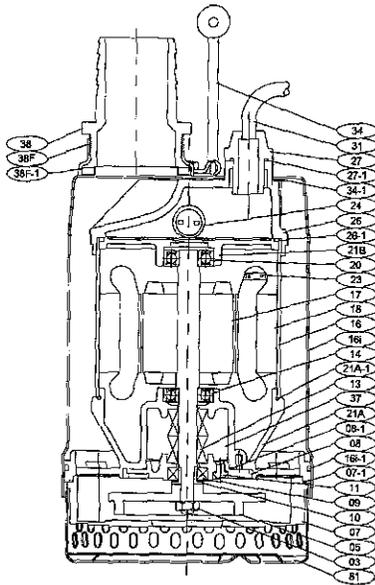
## GS



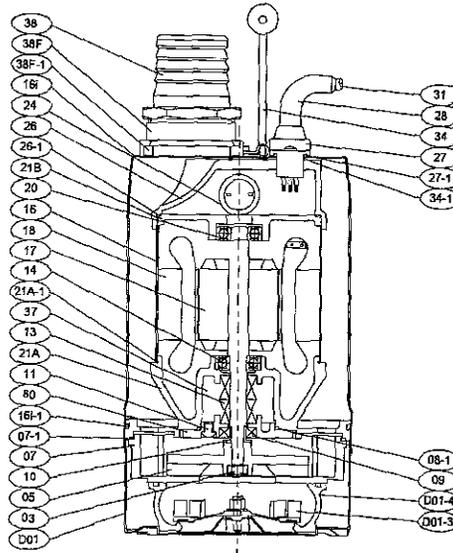
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01D-3	CHECK FLAP VALVE
01D-4	RUBBER CUP
02	SUCTION COVER
03	NUT (FOR 17)
04	WASHER (FOR 17)
05	IMPELLER
05W	AGITATOR / GRINDER (GS)
05W-2	GRINDER RING
05W-3	GRINDER RING HOLDER
06	KEY
07	PUMP HOUSING
07-1	ORING
08	OIL CHAMBER COVER
08-1	ORING
09	LIP SEAL (BOTTOM) FOR 08
10	SHAFT SLEEVE
11	PLUG
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26-1	ORING
26W	UPPER COVER (FOR 16i)
26W-2	UPPER COVER (FOR 16i CABLE COVER)
27	CABLE GLAND
27-1	ORING
28	RUBBER SLEEVE
31	CABLE
34	HANDLE (EYEBOLT)
34-1	GASKET
37	LUBRICANT OIL
38	DISCHARGE OUTLET
38E	ELBOW
38E-1	GASKET
38F	FLANGE (THREAD INSIDE)
38F-1	GASKET

## RS



## RSD



NO.	DESCRIPTION
01	STRAINER / STAND (S/SK)
01-2	BOTTOM PLATE / CUSHION
01-3	STAND COVER (GS)
01-4	STAND SLEEVE (GS)
01D	STRAINER (NO HOLES)
01D-3	CHECK FLAP VALVE
01D-4	RUBBER CUP
02	SUCTION COVER
03	NUT (FOR 17)
04	WASHER (FOR 17)
05	IMPELLER
05W	AGITATOR / GRINDER (GS)
05W-2	GRINDER RING
05W-3	GRINDER RING HOLDER
06	KEY
07	PUMP HOUSING
07-1	ORING
08	OIL CHAMBER COVER
08-1	ORING
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11	PLUG
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38F-1	GASKET

## EU Declaration of Conformity



### For the following equipment:

Product: Submersible Pump  
Type designation: RS-, RST-, JS-, JST-, GS, GST-,  
Puddle Buddy (RSD-series)

Manufacturers name: Joung Shin Electric Corp.

Manufacturers Address: No. 83-9 Dapiantou  
Sanzhi District  
New Taipei City 252  
Taiwan, R.O.C.

Herewith confirms to comply with the requirements set out in the council directives:

2006/42/EC, 2006/95/EC, 2004/108/EC

On the approximation of the laws of the member states relating to the electromagnetic compatibility

For the evaluation of the compliance with these directives the following harmonized standards were applied:

EN809	EN60335-1	EN60335-2-41	EN61000-6-3
EN61000-6-1	EN55014	EN60555	

Responsible for making this declaration is the authorised representative within the EU:

Company Name: W. Robinson & Sons (EC) Ltd.  
Company Address: Hainault Business Park  
35-41 Fowler Road  
Ilford, Essex IG6 3WR  
United Kingdom

Name, Surname: G.W. Robinson  
Position: Director  
Date: Ilford, Essex 28/12/2012

Company Stamp and authorised signature:

W. Robinson & Sons (EC) Ltd.  
Hainault Business Park  
35-41 Fowler Road  
Ilford, Essex IG6 3WR  
United Kingdom