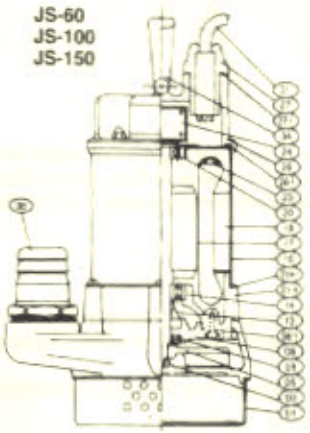
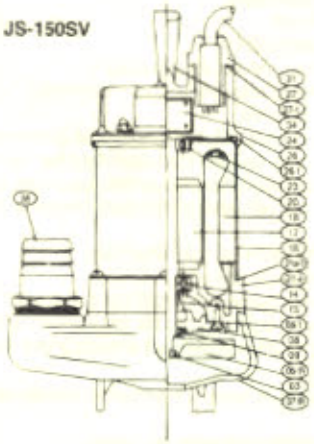
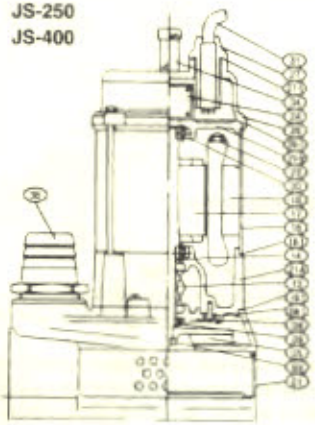
JS-60
JS-100
JS-150



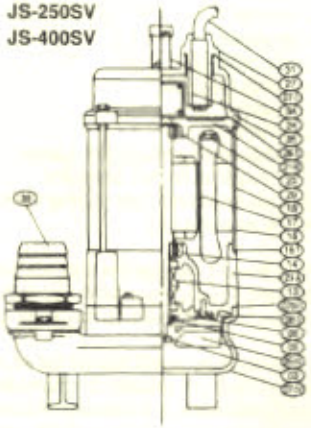
JS-150SV



JS-250
JS-400



JS-250SV
JS-400SV



NO.	DESCRIPTION	NO.	DESCRIPTION	NO.	DESCRIPTION
01	STRAINER	16	OUTER PUMP CASING	24	CONDENSOR
03	NUT (IMPELLER)	16-1	O-RING	26	PUMP UPPER COVER
05	IMPELLER (SEMI-OPEN TYPE)	17	ROTOR SHAFT	26-1	GASKET
07	IMPELLER HOUSING	18	STATOR	27	CABLE GLAND
07-1	O-RING	20	BEARING (UPPER)	27-1	O-RING
08	OIL COVER	21B	MOTOR UPPER COVER	31	CABLE
08-1	O-RING	21B-1	O-RING	34	HANDLE
09	LIPSEAL	21B-2	O-RING	38	HOSE COUPLING
13	MECHANICAL SEAL (DOUBLE)	21-A	OIL CHAMBER HOUSING		
14	BEARING (BOTTOM)	21-A1	O-RING		

SUBMERSIBLE PUMP

Installation and Operating Instructions

Models

JS-100	**JS-100A**	**JS-100MA**
JS-150	**JS-150A**	**JS-150MA**
JS-250	**JS-250A**	**JS-250MA**
JS-400	**JS-400A**	**JS-400MA**
JS-100SV	**JS-100SVA**	**JS-100SVMA**
JS-150SV	**JS-150SVA**	**JS-150SVMA**
JS-250SV	**JS-250SVA**	**JS-250SVMA**
JS-400SV	**JS-400SVA**	**JS-400SVMA**
RS-100	**RS-100A**	**RS-100MA**
RS-250	**RS-250A**	**RS-250MA**
RS-400	**RS-400A**	**RS-400MA**
RSD-250	**RSD-250A**	**RSD-250MA**
RSD-400	**RSD-400A**	**RSD-400MA**

Installation & Operating Instructions

Range of Sumbersible 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.

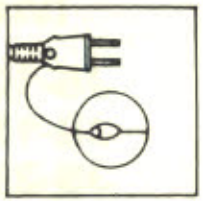
Do Not

- 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 ELECTRICTIAN.

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 bottomm strainer and turn the impellor 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 fulyl 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 once, the retailer is legally obligated to take back your old appliance for disposal at least for free of charge.

(E)
- Don't used 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 connot 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 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.