ABS DEWATERING PUMPS.
YOU WON’T SEE THE DIFFERENCE. YOU WILL EXPERIENCE IT.

Choose ABS and you will get much more than just the right pump. In a world where time is money, fast dewatering of a worksite is crucial. We can help you plan for efficient dewatering, in virtually any situation – construction sites, tunnels, mines, shipyards and dry docks.

At ABS, our interest in dewatering runs deep, but we do realize that for many users the main concern is for the water to go away - the sooner, the better. Let us worry about flow rates, pump selection, energy consumption and other specs. We will provide you with the best and most efficient solution.

More than 40 years of technical and real-world experience, has resulted in a complete range of dewatering pumps both submersible and engine driven. Changing needs over the project duration can make financing of a dewatering project a real challenge.

At ABS we offer pump solutions that include purchase, rental and service. By making use of our extensive network of service centres and partners, problems can be resolved quickly and efficiently without disruptions to your schedules.
ABS SUBMERSIBLE DRAINAGE J SERIES ......................... 4
Suitable for water, dirty water mixed with soil
Plug in start with built in motor protection
Light weight aluminium design

ABS SUBMERSIBLE SLUDGE JS SERIES ....................... 8
Suitable for sludge, water mixed with solids
Plug in start with built in motor protection
Light weight aluminium/nodular cast iron design

ABS SUBMERSIBLE SLUDGE JT SERIES ..................... 10
Suitable for sludge, water mixed with solids
Portable pump with handle, stand and discharge connection
Vortex hydraulic pump in cast iron

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Suitable for muddy water and sludge with solids
Low head and low flow application
Self priming capability

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TELL US YOUR NEED.
WE PROVIDE THE SOLUTION.

- What you are pumping
- Requested flow
- Site conditions
- Time schedules
- Availability and logistics
- Need for emergency or back-up service
- Suitable mix of rent & buy
- Project planning
- Purchase, rental or leasing
ABS SUBMERSIBLE DRAINAGE J SERIES

ABS submersible drainage pump J 5 - 604 and JC 24 - 84 are suitable for pumping water and dirty water mixed with soil. When delivered to a site you can start using them right away. The low weight and compact design vouches for convenient transport, handling and installation. Just plug and pump!

1 Easy start
– plug-in without worrying about overheating
Built-in contactor connected to the thermal sensors in the stator windings protects the motor from overheating and features an automatic restart function.

2 Wear resistance
– one investment, years of cost efficient pumping
Impeller in high chrome alloy steel with full upper shroud and adjustable wear parts in oil resistant nitrile rubber secure a long lifetime and high efficiency.

3 Reliable operation
– minimizes time for maintenance
Double outer casing and good heat convection enables pump to operate continuously at low levels or even run dry without damaging the motor.

4 Serviceability
– save time and money by easy on-site service
Due to modular design, the same parts can be used for different pumps, which lowers overall service costs. By removing the top cover of the pump you can easily check the electrical junction box.

First class materials like outer casing in stainless steel, cast parts in lightweight aluminium alloy, mechanical shaft seals in silicon carbide grant a pump you can rely on.

For protection the motor is separately sealed from the junction box. Environmentally safe white oil is used in the oil casing for easy inspection of seal conditions. For J205 and J405 service is made even easier due to a mechanical seal cartridge.
ABS J 5 W

J 5 W 1-phase
Motor rating $P_2$ 0.48 kW
Power input $P_1$ max 0.59 kW
Discharge connections Hose 2”
Weight (excl. cable) 9.5 kg
Motor protection built in
Electric cable 10 m H07RN-F

ABS J 12

J 12 W/J 12 WKS* 1-phase
J 12 D/J 12 DKS* 3-phase
Motor rating $P_2$ 1.0 kW (3-phase)
Motor rating $P_2$ 0.9 kW (1-phase)
Power input $P_1$ max 1.3 kW (3-phase)
Power input $P_1$ max 1.2 kW (1-phase)
Discharge connections Hose 1½”, 2”, 2½”, 3”
Discharge connections Thread BSP 2”, 2½”, 3”
Weight (excl. cable) 16 kg
Motor protection built in
Electric cable 20 m H07RN-F

ABS J 15

J 15 W/J 15 WKS* 1-phase
J 15 D/J 15 DKS* 3-phase
Motor rating $P_2$ 1.4 kW
Power input $P_1$ max 1.8 kW
Discharge connections Hose 1½”, 2”, 2½”, 3”
Discharge connections Thread BSP 2”, 2½”, 3”
Weight (excl. cable) 16.5 kg (D)
Weight (excl. cable) 18 kg (W)
Motor protection built in
Electric cable 20 m H07RN-F

ABS J 24

J 24 ND Medium head, 3-phase
J 24 HD High head, 3-phase
Motor rating $P_2$ 2.3 kW
Power input $P_1$ max 2.8 kW
Discharge connections Hose 2½”, 3”, 4”
Discharge connections Thread BSP 2½”, 3”, 4”
Weight (excl. cable) 29 kg
Motor protection built in
Electric cable 20 m H07RN-F
PU Lining available as option.

ABS J 44

J 44 ND Medium head, 3-phase
Motor rating $P_2$ 3.9 kW
Power input $P_1$ max 4.7 kW
Discharge connections Hose 2½”, 3”, 4”
Discharge connections Thread BSP 2½”, 3”, 4”
Weight (excl. cable) 31 kg
Motor protection built in
Electric cable 20 m H07RN-F
PU Lining available as option.
**ABS J 54**

- **J 54 ND** Medium head, 3-phase
- **J 54 HD** High head, 3-phase
- **J 54 LD** High flow, 3-phase

Motor rating $P_2$ 5.8 kW
Power input $P_1$ max 6.8 kW
Discharge connections Hose 3", 4", 6"
Weight (excl. cable) 50 kg
Motor protection built in
Electric cable 20 m H07RN-F
PU Lining available as option (ND+HD).

**ABS J 84**

- **J 84 ND** Medium head, 3-phase
- **J 84 HD** High head, 3-phase
- **J 84 LD** High flow, 3-phase

Motor rating $P_2$ 9.4 kW
Power input $P_1$ max 10.8 kW
Discharge connections Hose 3", 4", 6"
Weight (excl. cable) 70 kg (ND, LD), 75 kg (HD)
Motor protection built in
Electric cable 20 m H07RN-F
PU Lining available as option (ND).

**ABS J 205**

- **J 205 ND** Medium head, 3-phase
- **J 205 HD** High head, 3-phase

Motor rating $P_2$ 21 kW
Power input $P_1$ max 24 kW
Discharge connections Hose 4", 6", 8"
Weight (excl. cable) 155 kg
Motor protection built in
Electric cable 20 m H07RN-F
PU Lining available as option.

**ABS J 405**

- **J 405 ND** Medium head, 3-phase
- **J 405 HD** High head, 3-phase

Motor rating $P_2$ 35 kW
Power input $P_1$ max 39.5 kW
Discharge connections Hose 4", 6", 8"
Weight (excl. cable) 270 kg
Motor protection thermal overload sensors
Electric cable 20 m H07RN-F
PU Lining available as option.

**ABS J 604**

- **J 604 ND** Medium head, 3-phase
- **J 604 HD** High head, 3-phase

Motor rating $P_2$ 56 kW
Power input $P_1$ max 61 kW
Discharge connections Hose 6", 8", 10"
Weight (excl. cable) 525 kg
Motor protection thermal overload sensors
Electric cable 20 m H07RN-F
PU Lining available as option.
ABS JC 24

- **JC 24 ND**: Medium head, 3-phase
- **JC 24 HD**: High head, 3-phase

Motor rating $P_2$: 2.3 kW
Power input $P_1$ max: 2.8 kW
Discharge connections: Hose 2", 3"
Weight [excl. cable]: 29 kg
Motor protection: built in
Electric cable: 20 m H07RN-F
PU Lining available as option.

ABS JC 34

- **JC 34 ND**: Medium head, 3-phase
- **JC 34 HD**: High head, 3-phase

Motor rating $P_2$: 3.0 kW
Power input $P_1$ max: 3.8 kW
Discharge connections: Hose 2", 3"
Thread BSP 2", 3"
Weight [excl. cable]: 31 kg
Motor protection: built in
Electric cable: 20 m H07RN-F

ABS JC 44

- **JC 44 ND**: Medium head, 3-phase

Motor rating $P_2$: 3.9 kW
Power input $P_1$ max: 4.7 kW
Discharge connections: Thread BSP 3"
Weight [excl. cable]: 31 kg
Motor protection: built in
Electric cable: 20 m H07RN-F
PU Lining available as option.

ABS JC 54

- **JC 54 ND**: Medium head, 3-phase
- **JC 54 HD**: High head, 3-phase
- **JC 54 LD**: High flow, 3-phase

Motor rating $P_2$: 5.8 kW
Power input $P_1$ max: 6.8 kW
Discharge connections: Thread BSP 3", 4"
Weight [excl. cable]: 50 kg
Motor protection: built in
Electric cable: 20 m H07RN-F
PU Lining available as option (ND+HD).

ABS JC 84

- **JC 84 ND**: Medium head, 3-phase
- **JC 84 LD**: High flow, 3-phase

Motor rating $P_2$: 9.4 kW
Power input $P_1$ max: 10.8 kW
Discharge connections: Thread BSP 3", 4"
Weight [excl. cable]: 70 kg
Motor protection: built in
Electric cable: 20 m H07RN-F
PU Lining available as option (ND).
ABS SUBMERSIBLE SLUDGE JS SERIES

ABS submersible sludge pump JS 12 - 84 are excellent for pumping sludge and water mixed with solids. They have a slim design and low weight, which makes them easy to move and easy to handle. Once a JS pump is installed it can run without risk of overheating the motor or sludge clogging.

1 Easy start
– plug-in without worrying about overheating
Built-in contactor connected to the thermal sensors in the stator windings protects the motor from overheating and features an automatic restart function.

2 Clog-free pumping
– avoid downtime with solid proof hydraulics
Equipped with a free flow vortex impeller and a pump volute, the JS is perfect for pumping solids. The impeller is available in different sizes to meet your specific requirement.

3 Reliability and wear resistance
– one investment, years of cost-efficient pumping
Both impeller and pump housing are made from wear resistant ductile iron for maximum wear resistance and durability. Double mechanical shaft seal in oil bath with primary seal in silicon carbide secure safe operation and long life.

4 Convenient handling
– designed to make your life easier
All motor parts are made in light weight aluminium, which provides a pump that is very easy to handle and install.

5 Serviceability
– save time and money by easy and on-site service
Due to modular design, the same parts can be used for different pumps, which lower overall service costs. By removing the top cover of the pump you can easily check the electrical junction box. For protection the motor is separately sealed from the junction box. Environmentally safe white oil is used in the oil casing for easy inspection of seal conditions.

ABS JS 12

- JS 12 W -104 1-phase
- JS 12 W/WKS*-114 1-phase
- JS 12 D -104 3-phase
- JS 12 D/DKS*-114 3-phase

Motor rating P2 0.9 kW
Power input P1 max 1.2 kW
Free passage 45 x 40 mm
Discharge connections Hose 2", 2½", 3"
Thread BSP 2", 2½", 3"
Weight (excl. cable) 18 kg
Motor protection built-in
Electric cable 20 m H07RN-F

*) Built in float switch available as option.
**ABS JS 15**

| JS 15D-114 | 3-phase |
| JS 15D/DS* -126 | 3-phase |
| Motor rating $P_2$ | 1.3 kW |
| Power input $P_1$ max | 1.6 kW |
| Free passage | 45 x 40 mm |
| Discharge connections | Hose 2", 2½", 3" |
| Thread BSP 2", 2½", 3" |
| Weight [excl. cable] | 18 kg |
| Motor protection | built-in |
| Electric cable | 20 m H07RN-F |

*) Built in float switch available as option.

**ABS JS 24**

| JS 24D/DS* -124 | 3-phase |
| JS 24D/DS* -140 | 3-phase |
| Motor rating $P_2$ | 2.0 kW |
| Power input $P_1$ max | 2.4 kW |
| Free passage | 55 x 40 mm |
| Discharge connections | Hose 2½", 3", 4" |
| Thread BSP 2½", 3", 4" |
| Weight [excl. cable] | 29 kg |
| Motor protection | built-in |
| Electric cable | 20 m H07RN-F |

*) Built in float switch available as option.

**ABS JS 44**

| JS 44D/DS* -140 | 3-phase |
| JS 44D/DS* -160 | 3-phase |
| Motor rating $P_2$ | 3.3 kW |
| Power input $P_1$ max | 3.9 kW |
| Free passage | 55 x 40 mm |
| Discharge connections | Hose 2½", 3", 4" |
| Thread BSP 2½", 3", 4" |
| Weight [excl. cable] | 31 kg |
| Motor protection | built-in |
| Electric cable | 20 m H07RN-F |

*) Built in float switch available as option.

**ABS JS 54**

| JS 54D-160 | 3-phase |
| JS 54D-175 | 3-phase |
| Motor rating $P_2$ | 5.2 kW |
| Power input $P_1$ max | 6.2 kW |
| Free passage | 55 x 45 mm |
| Discharge connections | Hose 3", 4" |
| Thread BSP 3", 4 |
| Weight [excl. cable] | 54 kg |
| Motor protection | built-in |
| Electric cable | 20 m H07RN-F |

**ABS JS 84**

| JS 84D-175 | 3-phase |
| JS 84D-196 | 3-phase |
| Motor rating $P_2$ | 8.0 kW |
| Power input $P_1$ max | 9.4 kW |
| Free passage | 55 x 45 mm |
| Discharge connections | Hose 3", 4" |
| Thread BSP 3", 4" |
| Weight [excl. cable] | 67 kg |
| Motor protection | built-in |
| Electric cable | 20 m H07RN-F |
**ABS SUBMERSIBLE SLUDGE JT SERIES**

ABS submersible sludge pump JT 15 - 250 are suitable for pumping sludge and water mixed with solids. The robust cast iron design provides a sturdy pump for rough conditions. The pump runs at any water level without overloading the motor.

1 **Dry running capability**
   - no need for pump operation checks
   Closed cooling jacket systems and an automatic stop and restart function with starter box enables dry running without damaging the mechanical seals or motor.

2 **Clog-free pumping**
   - avoid downtime with solid proof hydraulics
   Equipped with a free flow vortex impeller and a pump volute, the JT is excellent for effective pumping of solids.

3 **Convenient handling**
   - designed to make your life easier
   The stand in nodular cast iron and the stainless steel handle makes the JT easy to move and install.
   A hose or quick coupling is easily connected to the discharge connection supplied with the pump.

4 **Reliability**
   - one investment, years of cost efficient pumping
   ABS vortex hydraulic requires no adjustment of impeller/wear plate. It minimizes load on shaft and bearings, which ensures reliable operation and maintained efficiency. All JT sludge pumps have mechanical seal in silicon carbide securing safe operation and long life.

5 **Serviceability**
   - save time and money with easy and on-site service
   Modular design enables usage of the same parts for different pumps, which lowers overall service costs and increases flexibility. ABS JT40-250 pumps have mechanical seal cartridge, simplifying service on site.

6 **Safety features**
   - minimizes unpleasant consequences
   All JT sludge pumps are available in explosion proof EExd IIB T4 / ATEX versions. The oil housing on the JT15 - 30 is filled with safe white oil and on the JT 40 - 250 with environmentally safe glycol coolant.
**ABS JT 15**

Type: JT 15 ND  
AST 0830

- Motor rating $P_2$: 1.3 kW
- Power input $P_1$: max 1.93 kW
- Free passage: 60 mm
- Discharge connections: Hose 3“
- Volute flange: DN 80
- Weight (excl. cable): 47 kg
- Motor protection: thermal overload sensors
- Electric cable: 20 m H07RN-F

**ABS JT 20**

Type: JT 20 HD  
JT 20 ND  
AST 0631  
AST 0830

- Motor rating $P_2$: 1.7 kW  
  2.2 kW
- Power input $P_1$: max 2.31 kW  
  2.88 kW
- Free passage: 40 mm  
  60 mm
- Discharge connections: Hose 3“  
  Thread BSP 3“
- Volute flange: DN 65  
  DN 80
- Weight (excl. cable): 41 kg  
  47 kg
- Motor protection: thermal overload sensors
- Electric cable: 20 m H07RN-F

**ABS JT 30**

Type: JT 30 HD  
AST 0631

- Motor rating $P_2$: 3.0 kW
- Power input $P_1$: max 3.74 kW
- Free passage: 40 mm
- Discharge connections: Hose 3“
- Volute flange: DN 65
- Weight (excl. cable): 48 kg
- Motor protection: thermal overload sensors
- Electric cable: 20 m H07RN-F

**ABS JT 40**

Type: JT 40 ND  
AFPT 1031

- Motor rating $P_2$: 3.0 kW
- Power input $P_1$: max 3.95 kW
- Free passage: 100 mm
- Discharge connections: Hose 4“  
  Thread BSP 4“
- Volute flange: DN 100
- Weight (excl. cable): 111 kg
- Motor protection: thermal overload sensors
- Electric cable: 20 m H07RN-F

**ABS JT 50**

Type: JT 50 HD  
JT 50 ND  
AFPT 0835  
AFPT 1032

- Motor rating $P_2$: 5.5 kW  
  6.0 kW
- Power input $P_1$: max 6.49 kW  
  7.22 kW
- Free passage: 65 mm  
  100 mm
- Discharge connections: Hose 3“  
  Hose 4“  
  Thread BSP 3“  
  Thread BSP 4“
- Volute flange: DN 80  
  DN 100
- Weight (excl. cable): 153 kg  
  147 kg
- Motor protection: thermal overload sensors
- Electric cable: 20 m H07RN-F
### ABS JT 80

Type: JT 80 HD, JT 80 ND  
Motor rating $P_2$: 7.0 kW, 9.0 kW  
Power input $P_1$ max: 8.37 kW, 10.8 kW  
Free passage: 65 mm, 100 mm  
Discharge connections: Hose 4"  
Volute flange: Thread BSP 4"  
Weight (excl. cable): 153 kg, 157 kg  
Motor protection: thermal overload sensors  
Electric cable: 20 m H07RN-F

### ABS JT 110

Type: JT 110 HD  
Motor rating $P_2$: 11.0 kW  
Power input $P_1$ max: 13.3 kW  
Free passage: 65 mm  
Discharge connections: Hose 4"  
Volute flange: Thread BSP 4"  
Weight (excl. cable): 165 kg  
Motor protection: thermal overload sensors  
Electric cable: 20 m H07RN-F

### ABS JT 160

Type: JT 160 ND, JT 160 LD  
Motor rating $P_2$: 16.0 kW, 16.0 kW  
Power input $P_1$ max: 17.8 kW, 17.8 kW  
Free passage: 80 mm, 80 mm  
Discharge connections: Hose 4", Thread BSP 4"  
Volute flange: Thread BSP 4"  
Weight (excl. cable): 344 kg, 358 kg  
Motor protection: thermal overload sensors  
Electric cable: 20 m H07RN-F

### ABS JT 200

Type: JT 200 HD, JT 200 ND, JT 200 LD  
Motor rating $P_2$: 20.0 kW, 22.0 kW, 22.0 kW  
Power input $P_1$ max: 22.1 kW, 24.3 kW, 24.3 kW  
Free passage: 64 mm, 80 mm, 80 mm  
Discharge connections: Hose 4", Thread BSP 4", Thread BSP 6"  
Volute flange: Thread BSP 4", Thread BSP 6"  
Weight (excl. cable): 286 kg, 351 kg, 363 kg  
Motor protection: thermal overload sensors  
Electric cable: 20 m H07RN-F

### ABS JT 250

Type: JT 250 HD  
Motor rating $P_2$: 25.0 kW  
Power input $P_1$ max: 27.5 kW  
Free passage: 64 mm  
Discharge connections: Hose 4"  
Volute flange: Thread BSP 4"  
Weight (excl. cable): 291 kg  
Motor protection: thermal overload sensors  
Electric cable: 20 m H07RN-F
**ABS DIAPHRAGM PUMP**

The ABS diaphragm pump is perfect for muddy water, sludge or water with a high percentage of solids. It is ideal for slow seepage applications or for total bottom clean-ups. Pump and engine are conveniently mounted together. The wheels and handle makes the diaphragm pump easy to move around the work site.

1 **Wear resistance**
   - one investment, years of cost-efficient pumping

   The ABS diaphragm design ensures high wear resistance from durable elastomer materials and robust cast aluminium parts.

2 **Easy operation**
   - just start the pump

   When the pump is started it automatically primes the suction hose.

3 **Dry running capability**
   - no need for regularly inspections during operation

   ABS diaphragm pumps can run dry without damaging to the pump.

4 **Reliability**
   - a pump investment that last for years

   Clog-free pumping avoiding downtime is a well proven ABS feature. Solid proof hydraulics makes the pump outstanding when pumping large amounts of solids. It is powered by a standard Honda gasoline engine. In shallow applications and if seepage returns, it is automatically pumped out of the way. This pump keeps on pumping!

5 **Serviceability**
   - save time and money with easy and on-site service

   Heavy duty construction with easy access to the robust wear parts and check valves makes maintenance and service easy.

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**ABS 5537 WTM**

- Max. suction lift: 7.6 m
- Max. discharge head: 7.6 m
- Power: 3 kW (4 Hp)
- Honda GX120
- 2.5 l
- 3 Hr
- Recoil
- 44 mm
- Thread BSP 3"
- Weight: 59 kg

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**Chart**

- Discharge connections: 3" BSP
- Free passage: 44 mm
- Continuous run time/tank: 3 Hr
- Starting method: Recoil
- Max. suction lift: 7.6 m
- Max. discharge head: 7.6 m
- Weight: 59 kg
PUMP OPTIONS & ACCESSORIES

The ABS dewatering solution offer goes beyond just the pump. In order to simplify the life of our customers we offer a wide selection of options and accessories. This toolbox assures that you will get a solution that fits your application.
Complete equipment supply for easy installation and convenient handling
ABS offers a variety of discharge connections/quick couplings in different size and style to suit your needs/requirements. Choose from ABS flexible durable discharge hoses in sizes up to 10” or special suction hoses for diaphragm pump applications.

Easy installation with starter box and safe operation with level control
When a start and stop level is required, a starter box for level control can prolong the life of the pump. ABS provides standard DOL and STAR-DELTA starter boxes with a built in float switch for J/JC/JS/JT series. For the smaller J/JS pumps the level control function can be integrated in the pump.

SoftDrive for cost effective operation
ABS offers a built in SoftDrive concept on the J54 to J205 pumps. It reduces starting current dramatically and provides a smooth operation for both the power net and pump equipment. The pump can be started with a smaller sized generator compared to a standard direct on line started pump.

Additional protection for more durable operation
ABS submersible dewatering pumps can be equipped with zinc anodes providing protection against galvanic corrosion. The cast parts of the pump can also be protectively coated, ensuring trouble free operation when pumping saline or brackish water.

Series connections for pumping high heads
With minimal effort, the standard ABS drainage pumps can be rebuilt to function in series connected applications for high head pumping. This feature ensures a flexible use of your drainage pumps.

Polyurethane for prolonged life of the drainage pump
ABS offers diffusers and wear-rings in polyurethane, which increases resistance when pumping fine sand and other abrasive mediums.

Let the pump float and avoid unnecessary wear
ABS offers floating rings for drainage pumps J12 to J44 for applications requiring the submersible pump to operate close to the surface.