



GROUND ENGINEERING SOLUTIONS

- Dewatering Specialist
- Bypass Pumping
- Ground Water Control Solution

مؤسسة قوة الدعم للمقاولات
SUPPORT POWER CONTRACTING EST.

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مؤسسة قوة الدعم للمقاولات
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DEWATERING PUMPS

About Us:

SUPPORT POWER CONTRACTING EST. is a leading dewatering specialist in the Kingdom of Saudi Arabia, providing comprehensive solutions for construction, infrastructure, and industrial projects. With a team of highly skilled engineers and technicians, we leverage cutting-edge technology and proven methodologies to ensure efficient and reliable dewatering services. Our commitment to quality, safety, and client satisfaction has established us as a trusted partner for projects of all scales.

SPC is a dewatering company operating within the Kingdom of Saudi Arabia. We provide professional dewatering services for construction, and industrial projects. Our goal is to provide reliable and efficient dewatering solutions.

SPC understands the unique challenges of dewatering in the region's diverse terrains and environmental conditions. We are dedicated to delivering tailored solutions that meet the specific needs of our clients, contributing to the successful completion of their projects. With a focus on local expertise and international best practices, we are committed to supporting the Kingdom's development.

- **Services Offered:** Wellpoint dewatering, deepwell dewatering, sump pumping, groundwater control, etc.
- **Industries Served:** Construction, infrastructure, oil and gas, mining, etc.
- **Geographic Reach:** Within KSA, specific regions, etc.
- **Equipment and Technology:** Mention any specialized equipment or advanced technologies used



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VISION



MISSION



VALUES

VISION

To be the premier dewatering solutions provider in KSA, recognized for our innovation, reliability, and commitment to excellence, contributing to the sustainable development of the Kingdom

MISSION

To provide reliable, efficient, and cost-effective dewatering solutions through expert engineering, advanced technology, and a commitment to exceeding client expectations. We strive to deliver projects safely, on time, and within budget.

VALUES

Core Services: Dewatering Solutions

Target Audience: Clients in construction, infrastructure, etc.

Values: Quality, safety, reliability, innovation, sustainability

Goals: Client satisfaction, project success, environmental responsibility

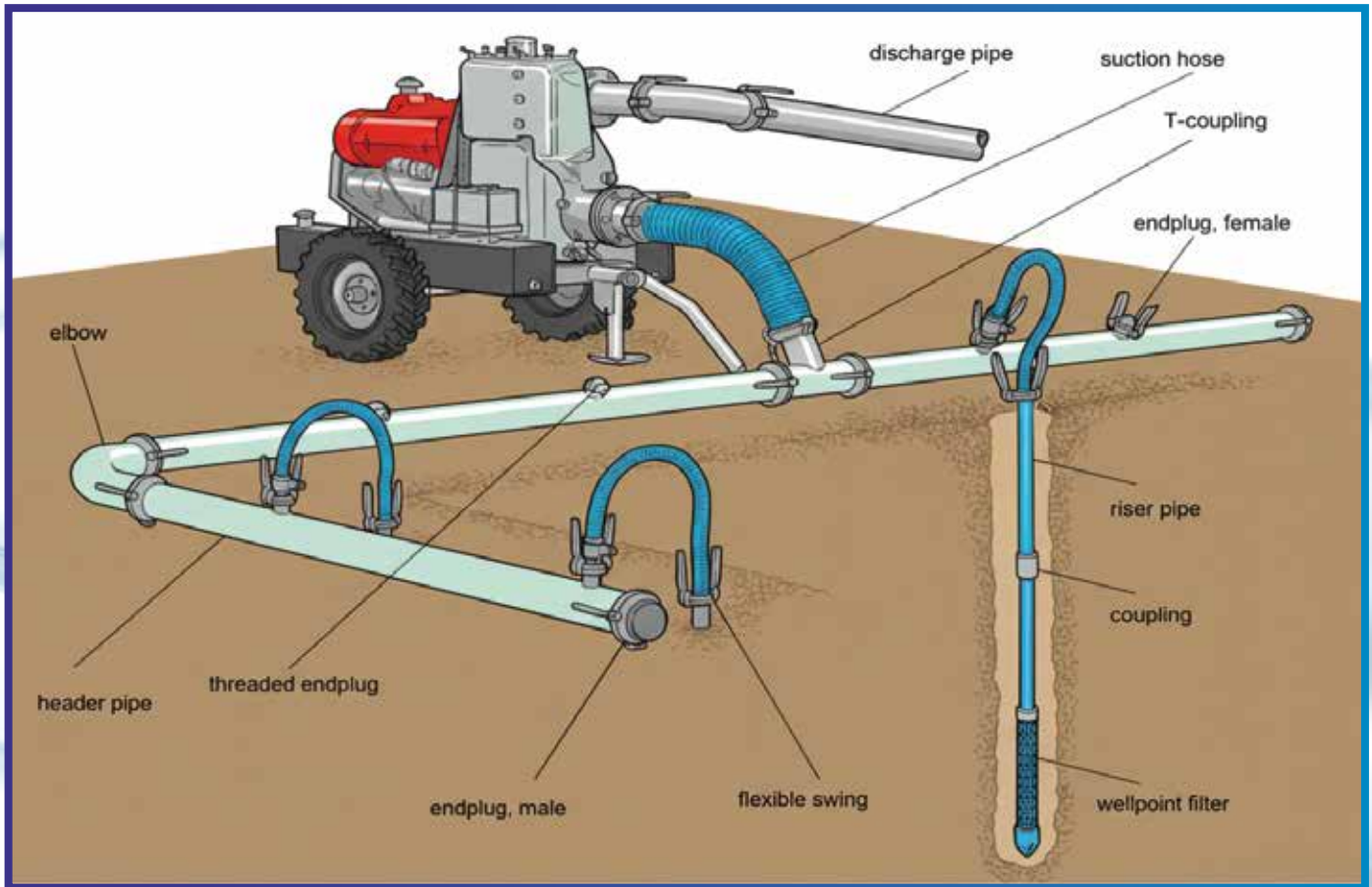
Wellpoint Dewatering Systems

Core Components

- **Automatic Pump:** A vacuum-assisted unit that pulls water from the ground.
- **Header Pipe:** The main horizontal line connecting the pump to various extraction points.
- **Wellpoint Assembly:** Consists of a riser pipe and a filter submerged in the ground to collect water without soil.
- **Discharge Pipe:** Moves extracted water to a disposal area or settlement tank.

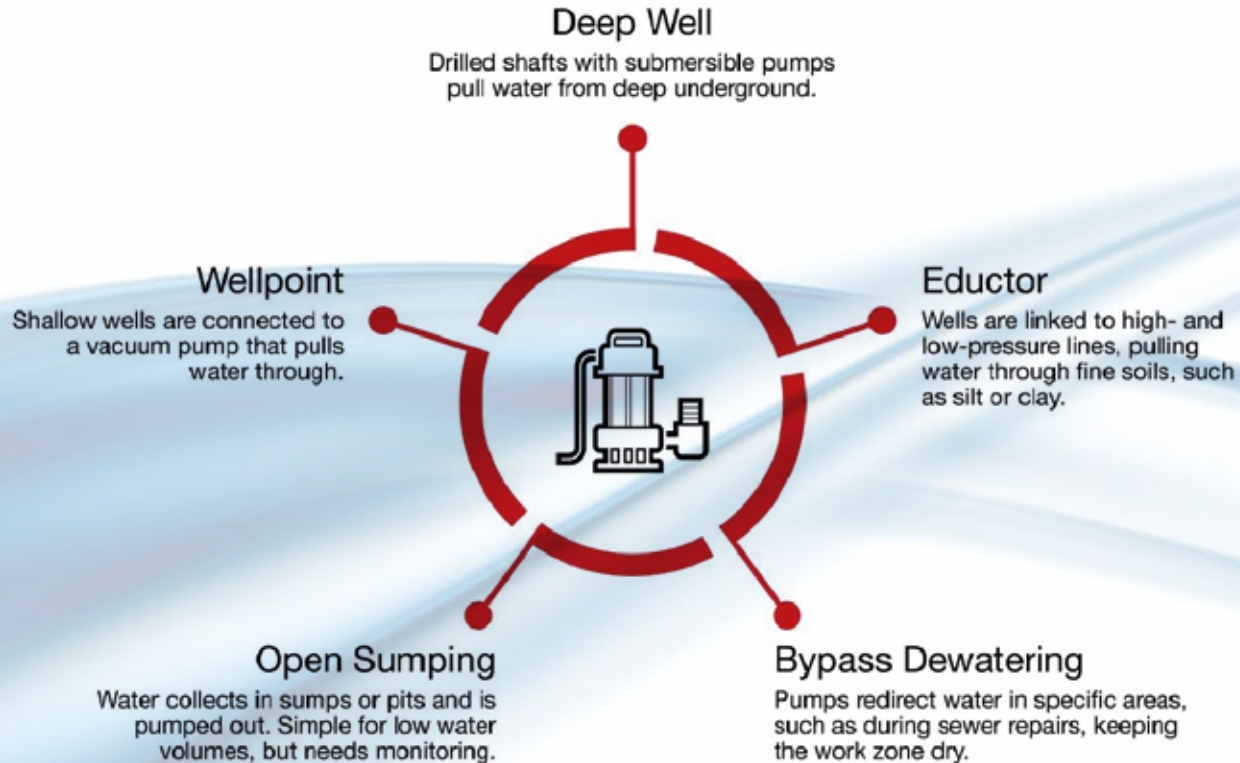
Operational Process

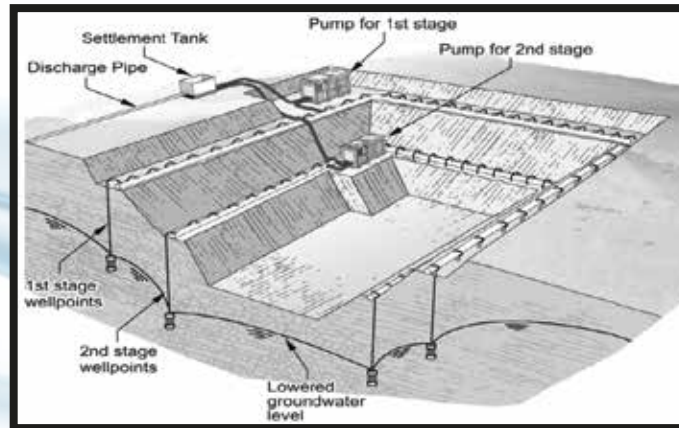
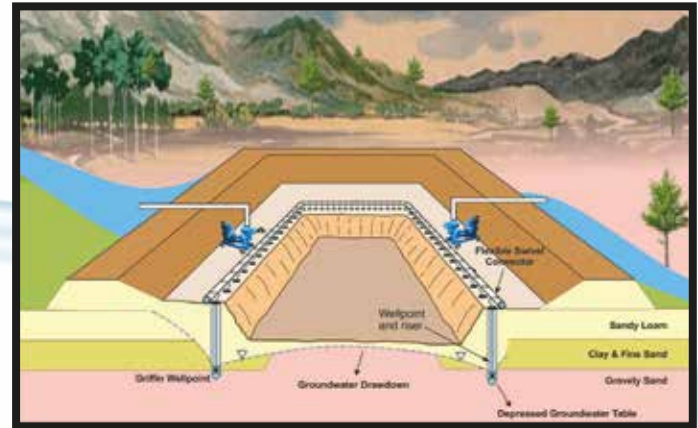
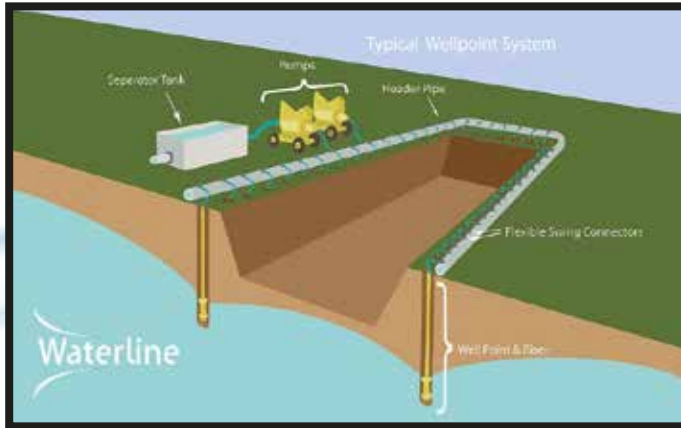
- **Suction:** The pump creates a vacuum, drawing water through the wellpoints and into the header pipe.
- **Multi-Stage Setup:** For deep pits, systems are placed at different heights (1st and 2nd stage) to progressively drop the water table.
- **Groundwater Control:** This creates a "lowered groundwater level," ensuring a stable, dry work environment.





5 Types of Dewatering Systems

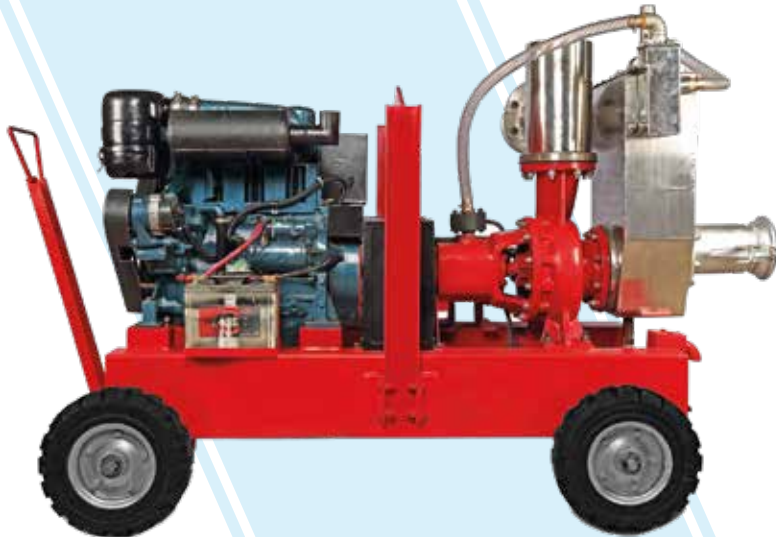






DEWATERING PUMPS

ORX 75



PUMP SPECIFICATIONS

PUMP MODEL
ORX 75

VACUUM CAPACITY
70 cfm

MAX. WATER FLOW
80 m³/hr

SUCTION X DISCHARGE
3" x 3" (75 mm x 75 mm)

MAX. HEAD
30 mtr.

MAX. SUCTION LIFT
9 mtr.

MAX. SOLID HANDLING
2"

ORX 75

These pumps are suitable for dewatering, over pumping sewage, drainage pumping, irrigation and chiller plants. The suction and discharge is 75 x 75 mm with closed type impeller with mechanical seal. (Open type impeller also available).

Priming Tank is made of Mild Steel/Stainless Steel (Aluminium also available) and the internal parts are of Teflon, Stainless steel which increase the life and efficiency of the pump. Volute Casing is cast iron (Stainless Steel also available) and it is designed in such a way that the shape helps to give better discharge. Shaft, Impeller, Stuffing box and all other internal parts are made by stainless steel.

We are manufacturing pumps as per the demand of the customer requirements: Open Impeller pumps, Electric motor driven pumps, with 2/4 wheel types, skid mounted types and MOC according to customer requirements.

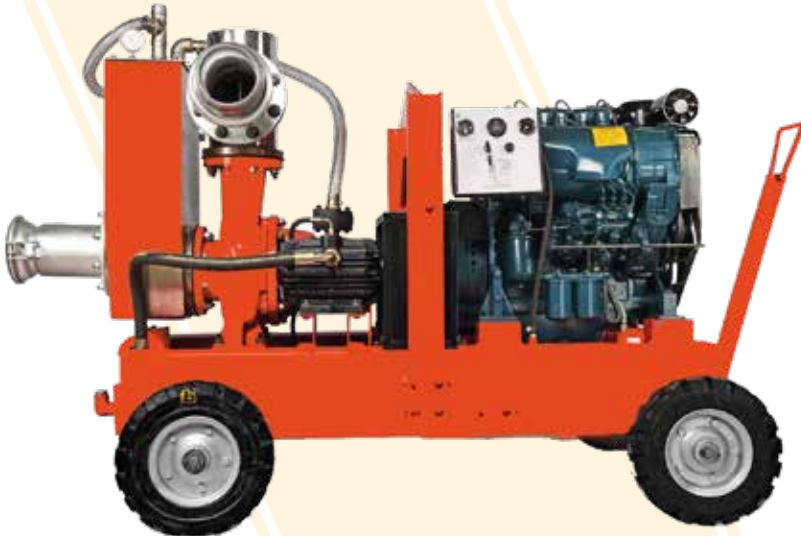
Features and Benefits

- Easy Maintenance normally limited to checking oil levels and filters.
- This dewatering pump used for handling sewage, slurries, and liquids with solids up to 2.0 in diameter.
- Dry-running high pressure liquid bath Double mechanical seal with high abrasion resistant solid silicon carbide faces.
- A centrifugal pump with Dri- Prime system coupled to a diesel engine or electric motor.
- KIRLOSKAR HA 294, 2 Cylinder, Air cooled Diesel Engine engines can be coupled with the pump. Electric motor is also an option.



DEWATERING PUMPS

ORX 100



PUMP SPECIFICATIONS

PUMP MODEL
ORX 100

VACUUM CAPACITY
70 cfm

MAX. WATER FLOW
200 m³/hr

SUCTION X DISCHARGE
4" x 4" (100 mm x 100 mm)

MAX. HEAD
40 mtr.

MAX. SUCTION LIFT
9 mtr.

MAX. SOLID HANDLING
2"

ORX 100

These pumps are suitable for dewatering, over pumping sewage, drainage pumping, irrigation and chiller plants. The suction and discharge is 100 x 100 mm with closed type impeller with mechanical seal. (Open type impeller also available).

Priming Tank is made of Mild Steel/Stainless Steel (Aluminium also available) and the internal parts are of Teflon, Stainless steel which increase the life and efficiency of the pump. Volute Casing is cast iron (Stainless Steel also available) and it is designed in such a way that the shape helps to give better discharge. Shaft, Impeller, Stuffing box and all other internal parts are made by stainless steel.

We are manufacturing pumps as per the demand of the customer requirements: Open Impeller pumps, Electric motor driven pumps, with 2/4 wheel types, skid mounted types and MOC according to customer requirements.

Features and Benefits

- Easy Maintenance normally limited to checking oil levels and filters.
- This dewatering pump used for handling sewage, slurries, and liquids with solids up to 2.0" in diameter.
- Dry-running high pressure liquid bath Double mechanical seal with high abrasion resistant solid silicon carbide faces.
- A centrifugal pump with Dri- Prime system coupled to a diesel engine or electric motor.
- Kirloskar HA 394 engine can be coupled with the pump. Electric motor is also an option.



DEWATERING PUMPS

ORX 150



PUMP SPECIFICATIONS

PUMP MODEL
ORX 150

VACUUM CAPACITY
70 cfm

MAX. WATER FLOW
350 m³/hr

SUCTION X DISCHARGE
6" x 6" (150 mm x 150 mm)

MAX. HEAD
40 mtr.

MAX. SUCTION LIFT
9 mtr.

MAX. SOLID HANDLING
2"

ORX 150

These pumps are suitable for dewatering, over pumping sewage, drainage pumping, irrigation and chiller plants. The suction and discharge is 150 x 150 mm with closed type impeller with mechanical seal. (Open type impeller also available).

Priming Tank is made of Mild Steel/Stainless Steel (Aluminium also available) and the internal parts are of Teflon, Stainless steel which increase the life and efficiency of the pump. Volute Casing is cast iron (Stainless Steel also available) and it is designed in such a way that the shape helps to give better discharge. Shaft, Impeller, Stuffing box and all other internal parts are made by stainless steel.

We are manufacturing pumps as per the demand of the customer requirements: Open Impeller pumps, Electric motor driven pumps, with 2/4 wheel types, skid mounted types and MOC according to customer requirements.

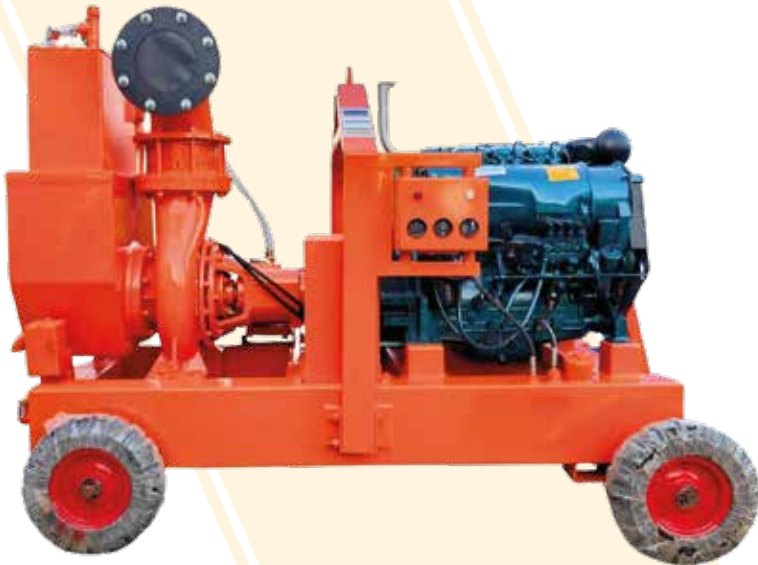
Features and Benefits

- Easy Maintenance normally limited to checking oil levels and filters.
- This dewatering pump used for handling sewage, slurries, and liquids with solids up to 2.0" in diameter.
- Dry-running high pressure liquid bath Double mechanical seal with high abrasion resistant solid silicon carbide faces.
- A centrifugal pump with Dri- Prime system coupled to a diesel engine or electric motor.
- Kirloskar HA 394 engine can be coupled with the pump. Electric motor is also an option.



DEWATERING PUMPS

ORX 200



PUMP SPECIFICATIONS

PUMP MODEL
ORX 200

VACUUM CAPACITY
70 cfm

MAX. WATER FLOW
550 m³/hr

SUCTION X DISCHARGE
8" x 8" (200 mm x 200 mm)

MAX. HEAD
40 mtr.

MAX. SUCTION LIFT
9 mtr.

MAX. SOLID HANDLING
2"

ORX 200

These pumps are suitable for dewatering, over pumping sewage, drainage pumping, irrigation and chiller plants. The suction and discharge is 200 x 200 mm with closed type impeller with mechanical seal. (Open type impeller also available).

Priming Tank is made of Mild Steel/Stainless Steel (Aluminium also available) and the internal parts are of Teflon, Stainless steel which increase the life and efficiency of the pump. Volute Casing is cast iron (Stainless Steel also available) and it is designed in such a way that the shape helps to give better discharge. Shaft, Impeller, Stuffing box and all other internal parts are made by stainless steel.

We are manufacturing pumps as per the demand of the customer requirements: Open Impeller pumps, Electric motor driven pumps, with 2/4 wheel types, skid mounted types and MOC according to customer requirements.

Features and Benefits

- Easy Maintenance normally limited to checking oil levels and filters.
- This dewatering pump used for handling sewage, slurries, and liquids with solids up to 2.0" in diameter.
- Dry-running high pressure liquid bath Double mechanical seal with high abrasion resistant solid silicon carbide faces.
- A centrifugal pump with Dri- Prime system coupled to a diesel engine or electric motor.
- Kirloskar HA 494 engine can be coupled with the pump. Electric motor is also an option.



OUR MAJOR CLIENT





مؤسسة قوة الدعم للمقاولات
SUPPORT POWER CONTRACTING EST.

+966 55 713 6798

+966 58 095 6557

info@spcests.com

ratan@spcests.com

murshid@spcests.com

www.spcests.com

7722 King Fahad Ibn Abdulaziz Rd,
4364 Sinaiyah Al Fawaziyah Dist.,
Al Khobar, Eastern Province 34627,
Kingdom of Saudi Arabia

