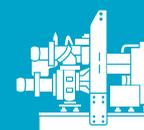


The Atlas Copco logo, featuring the company name in a blue serif font, centered between two horizontal blue bars.A large, industrial dewatering pump with a corrugated metal hose and a perforated intake screen, partially submerged in water on a rocky shore.

Dewatering pumps

A Focus-5 guide to help you decide what's right for you!

www.atlascopco.com/pumps-guide



Dewatering pumps

FOCUS-5 Dewatering Pumps

The applications for dewatering pumps vary widely. Therefore, it's essential when building a pump portfolio that users choose equipment that is versatile, while remaining productive, safe and trouble-free.

Here are five key considerations you should focus on when purchasing dewatering pumps:

1. Efficiency

When users have to choose a pump, they usually opt for larger sizes on the basis that they can cover a multitude of jobs, but, in doing so, energy efficiency is often sacrificed. Developments in technology are helping to reduce fuel usage and operating costs. In recent years, newer types of pump have been introduced that are specifically designed to reduce fuel consumption at times of low load and cope with fluctuating application demands; without running up high-fuel costs or risking burnout. Therefore, it is recommended that buyers consider newer types of technology, rather than simply replicating orders from the past. Bigger is not always better!

FUEL SAVINGS

Efficiency and autonomy



2. Size and movement

Pumps are now being developed to be smaller and lighter, as well as easier to move and transport both on and between work sites. Consequently, buyers should take time to ensure they select a pump that is suitable for use on multiple sites where the pumps might be working, and include built-in features that enhance movement and safety. Many larger pumps have integrated trailer options, as well as integrated lifting beams and/or forklift slots. Buyers should ask what options the manufacturer

has added to aid the safe movement of the pump from site to site, or within the working location where it is needed.

3. Versatility

No two jobs are ever the same. For this reason, it is recommended to choose a pump that is suitable for multiple applications. Taking a look at the design of the pump's components and how they work together should therefore be a priority. Subsequently, users should consider pumps that come with:

1. A range of accessories to enhance performance for changing applications.
2. A performance that covers multiple applications and offers different options.
3. A modular design that enables upgrades or changes to the existing pump, without the need to replace it with a completely new one.

4. Durability

Pumps need to perform reliably in extreme environments. Therefore, it is important the selected pump has been tested and is capable of withstanding tough and changeable working conditions as soon as it is turned on.

In addition, pumps shouldn't get clogged up. If a pump becomes clogged, then it will reduce the flow of water being pumped. When clogging

occurs, it will affect performance, and if allowed to continue for an extended period of time the pump could ultimately burn out. It's not very often that users are pumping perfectly clean water, so some elements of clogging are a hazard of the task. To protect against problems, leading manufacturers are continually looking at the positioning of parts and specifically the inlet holes and passing areas. Before choosing a, users should ask what steps the manufacturer has taken to avoid clogging and guarantee consistent performance.

5. Ease of service

Downtime is lost time. When it comes to pumping fluids, any time lost for maintenance and repairs can be catastrophic. It is recommended to choose pumps with a combination of long-service intervals and simple service. Furthermore, as every second counts in terms of operational time, it is suggested to seek pumps that can be serviced in minutes, not hours, with easy access to all parts and consumables. Often, service needs to be completed remotely or at a job site, so the availability and simplicity of service pack is a major consideration.



Conclusion

This is a general overview of some of the key things to look for when building a rental fleet of pumps. When it comes to specific applications, buyers should always discuss the application needs directly with their manufacturer. This conversation should include the following key considerations:

1. What is the maximum head height you need to pump?
2. How far do you need to pump the water?
3. What sizes hoses can you fit?
4. Do you have a specific flow you need to guarantee?
5. Do you have electrical power available?
6. How accessible is the location where you will use the pump?
7. What is the size and depth of the pit?
8. What solids might you encounter?
9. How quickly do you need to start pumping?
10. Are there noise or engine tier regulations to be considered?



Readers note:

Many of the values shown are average values. Actual specifications of products offered may differ between manufacturers and geographic regions.

Product portfolio

GENERATORS

PORTABLE
1,6–12 kVA



MOBILE
9–1250* kVA



INDUSTRIAL
10–2250* kVA



LARGE POWER
800–1450 kVA



*Multiple configurations available to produce power for any size application

DEWATERING PUMPS

ELECTRIC SUBMERSIBLE
250–16.200 l/min



SURFACE PUMPS
833–23.300 l/min



Diesel and electric options available

ENERGY STORAGE SYSTEM

ZENERGIZE



LIGHT TOWERS

DIESEL



BATTERY



ELECTRIC



AIR COMPRESSORS AND HANDHELD TOOLS

AIR COMPRESSORS
1–116 m³/min
7–345 bar



HANDHELD TOOLS
Pneumatic
Hydraulic
Petrol engine driven



ONLINE SOLUTIONS

SHOP ONLINE PARTS ONLINE
Find and order the spare parts for power equipment. We handle your orders 24 hours a day.



POWER CONNECT
Scan the QR code on your machine, and go to the QR Connect Portal to find all the information about your machine.



LIGHT THE POWER YOUR SIZING TOOL
A useful calculator to help you choose the best solution for your power and light needs



FLEETLINK
Intelligent telematics system that helps optimize fleet usage and reduce maintenance, ultimately saving time and cutting operating costs.




Atlas Copco Power Technique
www.atlascopco.com/pumps-guide

