

Surface pumps for Construction: Reliable Solutions for Sewage Bypass Applications

Atlas Copco



APPLICATION

1

Construction projects are a visible sight in cities where infrastructure development and upkeep are the driving forces to meet rapid urbanization demands. Bypass pumping is a key contributor to keeping urban areas functional when the primary system needs to be offline for varied reasons.

CHALLENGE

2

Maintaining uninterrupted operations is essential, especially when dealing with critical infrastructure like sewer systems. Sewage bypass is a temporary bypass pumping solution that ensures wastewater flow continues smoothly during maintenance, repair, or replacement of sewer lines and infrastructure, or during pump station failures. This process is vital for preventing disruptions and avoiding environmental contamination.

SOLUTION

3

The success of a sewage bypass operation depends heavily on the pump technology employed. Centrifugal pumps, particularly vacuum-assisted dry prime pumps, are the most used for this application. Atlas Copco's PAS range of diesel-driven dry prime pumps is specifically designed to meet the challenges of sewage bypass applications. These pumps are designed to handle large volumes of water containing solid content, making them ideal for raw sewage and wastewater. Their efficiency and reliability make them the preferred choice for bypass operations, even in the most demanding environments.

IMPACT

4

Sewage bypass operations are essential for maintaining wastewater flow during critical infrastructure projects, and having the right pump can make all the difference. Atlas Copco's PAS range of surface centrifugal pumps offers the perfect combination of reliability, efficiency, and ease of use, making them the ideal choice for construction, municipal, and industrial applications.