Wear kits

Wear parts in Flygt dewatering pumps are designed for long-lasting performance in tough and abrasive applications. Thanks to advanced engineering, unique materials and precise manufacturing, the unique wear parts minimize power consumption, too.

Wear part kits and hydraulic repair kits

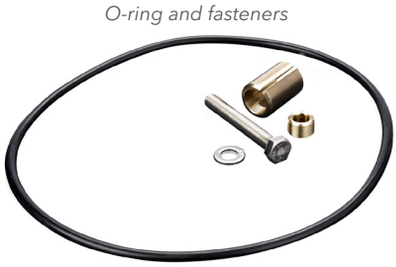
Simplify spare parts handling and pump repair work
Flygt wear part kits and hydraulic repair kits are available for a wide range of Flygt dewatering pumps, including 2610 through 2670 and 2052 through 2151. A wear part kit includes an impeller, suction cover, O-ring and fasteners for basic repair of the pump's hydraulic end. For a more extensive repair of the hydraulic end, the wear part kits can be combined with a hydraulic repair kit, which contains a seal housing cover, diffuser and shock absorbers.

Flygt wear part kit

Impeller

Suction cover

O-ring and fasteners



Flygt hydraulic repair kit

Seal housing cover

Diffuser

Shock absorbers

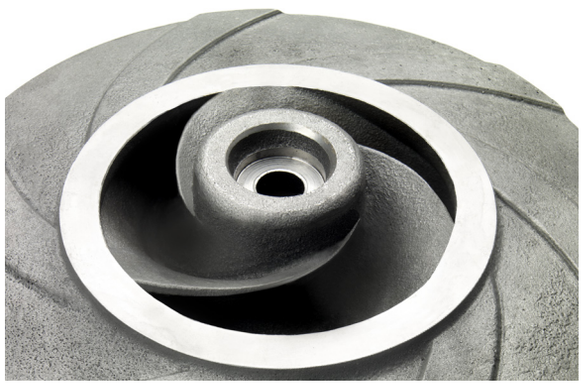
Impeller

Durable closed impeller design
The durable closed impeller design with its solid upper cover disc and balanced hydraulic axial load assures low bearing loads and minimizes the risk of impeller cracks. This also leads to less wear of the seal housing.

Closed impeller design.

Hard-Iron™ for outstanding wear resistance
Flygt dewatering pump impellers are made from a unique alloy with 25% chromium content and a hardness of HRC 60. Accelerated wear tests prove that Flygt Hard-Iron hydraulic components continue to operate efficiently and with minimal wear under extremely tough conditions.

Patented high head geometry
The impact angle of abrasives on the leading edges is flattened, which reduces wear. The leading edges also tolerate extensive wear before performance is affected.



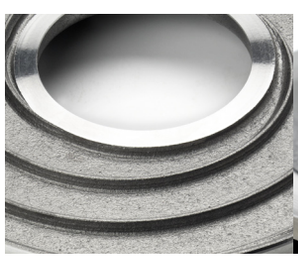
Patented high head geometry.

Accurate casting tolerances and well-balanced design
Reliable, high-precision casting processes ensure that the impeller and the Dura-Spin™ function deliver the required high pumping performance. In addition, the precise, well-balanced impeller minimizes the risk of vibration and high bearing loads.

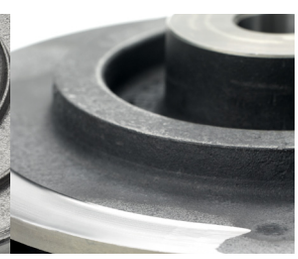
Improved shaft and impeller assembly
Our design enables easy assembly and disassembly without keyway stress concentrations, thereby minimizing the risks of fatigue cracks that cause shaft and impeller damage.

High sustained efficiency with minimized power consumption and wear
At Flygt, we have developed design programs and engineering tools that iterate against CFD simulations to achieve the highest possible pumping efficiency and low power consumption without compromising wear resistance or pumping performance.

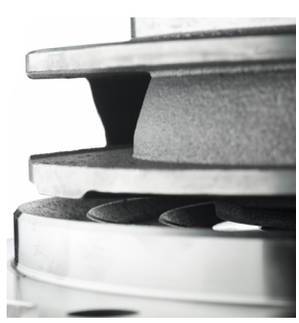
Easy gap adjustment and impeller disassembly
The impeller sleeve facilitates easy adjustment of the gap between the impeller and insert ring and creates tight clearances between the impeller and suction cover to ensure high efficiency. In addition, the impeller sleeve ensures easy disassembly of the impeller using standard tools only. Tightening the impeller sleeve unit with a hexagon bit adapter creates a shaft end pressure that pushes the impeller off the shaft.



High-precision casted suction cover.



Well-balanced impeller.



Tight tolerances.

Impeller sleeve.

Suction cover

Patented Dura-Spin™ technology
The back vanes of the unique closed dewatering pump impeller and the suction cover with Dura-Spin grooves work together, sweeping abrasive particles away from the seal cavity. Thanks to this system, the gap between the impeller neck and suction cover is only exposed to clean water, which results in extremely low wear and extended seal life.

Patented Dura-Spin technology.

Seal housing cover and diffuser

High quality lining
The reliable, high-precision priming process ensures superior adhesion and minimizes the risk of the rubber separating from the metal body.

Sustained wear resistance and precise geometries
Stable CFD-calculated geometries, high-precision casting processes and durable rubber properties provide sustained wear resistance and accurate performance. The seal housing cover is also protected from corrosion as no bare metal is exposed to the pumped media.

The seal housing cover and diffuser.

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