Decanter centrifuges, D-Series
High performance
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With more than 15,000 installed machines, ANDRITZ SEPARATION is one of the leading suppliers of decanter centrifuges. The D-Series with its optimized HP-Scroll is mainly used for compressible media like all kind of sludge, but also for food, bio-ethanol and slop oil applications.

Our decanter centrifuge fits in with our customers’ needs.

Our rotor is the most polyvalent available on the market
Its specific design and open flight permit use of the entire volume and provide extremely good clarification results; extraction of sludge is simplified by the angle, and the acceleration (3000G) is a good compromise between the highest dryness and the right power consumption.

An unrivalled operational convenience
The main operating parameters can be adjusted independently of one another and with high accuracy: bowl speed (efficiency of solid/liquid separation), relative scroll speed (residence time, hence dryness), pond depth (clarification).

Well-balanced operating costs
The polymer dosage is optimised. Flocculation is carried out at the feed in order to leave sufficient contact time for formation of resistant flocs; the distributor (feed chamber) shape avoids swift polymer passage with centrate whose residence time in the decanter is very short.

We provide advice and investigate your project with you
Sizing is performed according to sludge type, flow, expected performance, operating time, power consumption, and polymer dosage.
The decanter allows treatment of difficult and varying sludge qualities with the following benefits:

- No operator supervision (automatic operation)
- Simplified civil engineering (very compact installation)
- No prior thickening, therefore no double flocculation (direct dewatering immediately downstream of a clarifier or aeration pool)
- Clean, efficient and water-saving technology
- Reduced and easy maintenance

The patented TC-Drive

- Energy consumption reduced by 10%
- Very reduced height and length
- Further reduction of vibrations (e.g. no V-belts required)

Optimized abrasion protection by replaceable tungsten carbide tiles
### Models - From D2 to D12

**Approximate design flow rate (m³/h) suspended solids ≈ 0.5% w/w (feed concentration)**

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<th>D2LL</th>
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