

# Salt circulation pump



## Benefits at a glance

- Advanced bearing design for better performance
- Enhanced greasing system boosts reliability and sustainability
- Easy maintenance and reduced downtime

# Everllence

# Salt circulation pump

DWE® – Molten salt circulator for reactors

## Performance parameters

|                   |                      |
|-------------------|----------------------|
| Impeller size (L) | From 300 to 1,050 mm |
| Flow rate         | Up to 11,000 m³/h    |

More details available on request.  
Last updated September 2025

## General

The pump, which facilitates the movement of molten salt within the reactor's salt circuit, is driven by a motor, which rotates the impeller via a shaft. The guide vane directs the salt towards the impeller, ensuring efficient salt flow. Impeller sizes range from 300 – 1,050 mm. The pump is capable of flow rates up to 11,000 m³/h.

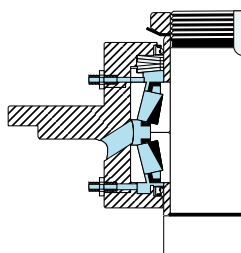
The pump's bearings are lubricated automatically to maintain optimal performance and availability. An auxiliary system supplies cooling air to the bottom bearing housing during downtimes, enhancing durability and reliability. We have been manufacturing and enhancing salt circulation pumps since 1955 and they feature in approximately 800 DWE® reactors, delivering proven and reliable solutions based on decades of experience.



## Advanced pump features and reliability improvements

**Advanced bearing design**  
Improves pump performance.

**Optimized lubrication**  
Improved grease flow within the bearings improves reliability.

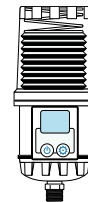


**Emergency bushing**  
Ensures smoother operation and reduces the risk of mechanical failure.

**Upgraded impeller**  
Quick and easy replacement of individual blades, with the bolted-blade impeller design.



**Automatic grease relubrication**  
Guarantees reliable operation and reduces personnel requirement.



**One-piece shaft**  
Easy maintenance and reduced downtime, with replaceable bushings at all contact points.

**Cavitation protection**  
Shields the shaft and components.

## Contact

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