

# Intelligent Frequency Conversion Circulating Pump

This circulating pump is designed for domestic hot water systems, including under-floor heating and solar hot water circulation. It automatically adjusts speed based on system demand to optimize energy consumption and maintain consistent pressure.



## Overview

### Intelligent Frequency Conversion Circulating Pump

This intelligent frequency conversion circulating pump is engineered for high-efficiency water management in HVAC systems. Featuring a unique shielded motor design, it eliminates the need for mechanical seals, effectively preventing leakage while ensuring quiet operation. The system utilizes a Hall induction flow sensor for precise, sensitive control and incorporates high-tensile porcelain bearings for enhanced durability and a service life of up to 30,000 hours.

## Technical Specifications

Bearing Material	High tensile porcelain
Shaft Material	High tensile porcelain
Key Design Features	Stainless steel shield housing, No mechanical seal, Leak-free design, Water-cooled system, Hall induction flow sensor

## Performance & Durability

### Service Life

**30000 hours**  
Service Life

Cooling & Lubrication	Direct water circulation between stator and rotor
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