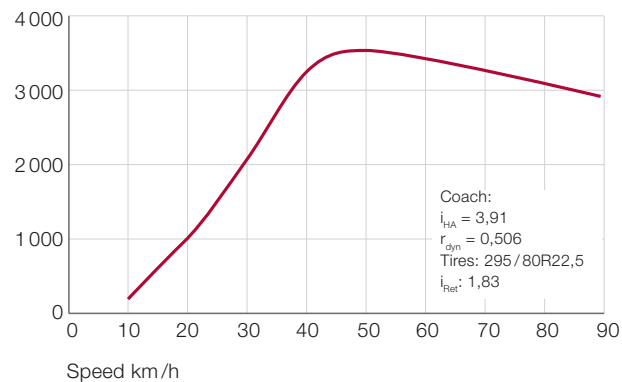


# Safety for All.

- Endurance braking power of retarder  
up to 520kW/700HP
- High braking power across the entire speed range
- Higher endurance braking power and availability  
through support from the water pump
- Safety reserves due to cold service brakes:  
The retarder performs up to 90 % of all vehicle  
braking operations
- Integration in EvoBus safety brake systems:
  - Proximity Control Assist
  - Active Brake Assist

## Max. braking torque 3 500 Nm

Propshaft torque Nm



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**VOITH**  
Engineered Reliability

**VOITH**

G 2228 en 2014-01 ak/WA 2000 Subject to modifications.

## The Aquatarder SWR for EvoBus Coaches



Source: Daimler AG

# Better Braking with Water

The new Mercedes-Benz and Setra coaches brake with the Secondary Water Retarder (SWR) from Voith.

## Advantages of the SWR

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- Maintenance-free
- High endurance braking power and high availability
- Low weight
- Compact design



Voith Aquatarder SWR

# Protecting the Environment, Increasing Comfort.

## The Voith water retarder protects the environment

It uses the engine cooling water as an operating medium and therefore does not require oil changes. Brake dust emissions are reduced by up to 80 %.

## Traveling comfortably

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- Stress-free driving
- Smooth braking
- Easy operation through hand lever and/or foot pedal
- Tempomat constant-speed function for downward gradients



Source: Daimler AG

# The Retarder is a Cost Saver.

## Maintenance-free

- Operates with the cooling agent of the engine
- No need for changing cooling fluid
- No oil changes, no adjustments

## Lower operating costs

- Longer lifetime of the service brake
- Fewer trips to the workshop

## Protection of the driveline

- Less strain on the driveline
- Longer lifetime of components



Source: Daimler AG