



Industry:
Waste water treatment

Application:
Scraper systems on primary clarifying tanks

Problem/Requirement:
Drives jammed with debris can damage chains, gear drives and sprockets

Harsh environment quickly degrades standard materials

Solution:
Autogard WT Ball Detent Torque Limiter limits torque at specific point and is easy to reset on site requiring no special tools

Result:
No damage to equipment and reduced downtime

Autogard WT Torque Limiters Keep Clean Water Running

Waste Water Clarifiers

Flight collectors scrape wastewater tanks and collect settled solids as well as floating debris. The debris and coarse materials must be removed to protect equipment in subsequent processes. The drives can become jammed with debris collected from storm and household sewage systems and can damage both the drive and poly or steel chain. Autogard WT Torque Limiters are installed between the gearbox and chain drive to protect both from torque overload damage caused by jams.

The **Autogard WT Series** has been designed using 316 stainless steel for all exposed surfaces to meet the emerging need for overload protection on drives in wet and harsh environmental conditions. Using a modular principle, the Autogard WT Torque Limiter is adjustable over a wide range of torques. Each module is set to give repeatable and reliable disengagement in the event of an overload. Because the modules can be disengaged manually, the need for a separate jaw clutch is eliminated. Autogard WT Torque Limiters meet all U.S. water utility specifications for this type of application.



Autogard WT Torque Limiter

Flexible Coupling

Falk® Gear Drive

