

SISTAG



Munksjö Paper Tolosa, Spain

Client: Munksjö Tolosa S.A.U.
2017 - 2023

Conversion of a decorative paper factory to
Wey valves.

One of six Munksjö production sites:
The paper mill in Tolosa



Initial situation

The Munksjö paper mill in northern Spain was previously equipped with isolation valves from other manufacturers.

The demanding conditions in paper production regularly led to problems with the installed valves. Leakages occurred frequently in the pulp mill. The knife gate valves on the agitation tank had to be replaced annually due to wear of the rubber seals. With manually operated valves, the spindle seized up and could no longer be moved. For revisions of the in-house wastewater treatment plant, the system had to be shut down and closed off with blind flanges.

Paper machines at
the Tolosa site

2

Paper production per
year

40 000 t

Isolation valves in the
plant

> 1 000

Special challenges

The pulpy fiber mixture from which paper is made quickly attaches to valves and blocks them. Likewise the lime used in the further process. In addition, chemical substances eat into the surrounding materials.

Manually and pneumatically operated Wey knife gate valves VN on the pulp pumps



Approach

Due to the recurring failures, the customer decided to replace existing valves with Wey knife gate valves on a trial basis.

The first valves that our Wey sales partner Indutec Soluciones Técnicas installed were already convincing. The valves sealed completely. Leakages in the pulp pumps no longer occurred and the individual sludge pumps of the internal wastewater treatment plant can henceforth be safely shut off and maintained. In pulp preparation, where conventional knife gate valves no longer closed properly after just a few months, the Wey valves have now been reliably closing off for years. The possibility of repacking knife gate valves during operation is particularly appreciated by the customer, but has so far only had to be used extremely rarely.

Further improvements with Wey knife gate valves:

Self-cleaning design due to body flushing corners and gate geometry. Solids are flushed out during closing and blockages and leaks are avoided.

Metallic gate guidance over the full stroke ensures precise closing.

Corrosion-resistant materials for spindle and body prevent seizure.

Non-rising spindle enables operation even in tight spaces.



Wey knife gate valve VN in the dosing plant for calcium carbonate



Category

Knife gate valves

Product series

VN

Nominal sizes

50 - 400

Actuator

Manual, Pneumatic, Electric

Body material

Stainless steel

Maximum pressure

16 bar

Sealing type

EPDM

Number of valves

160

Hard chromed gates
for added resistance

«With Wey knife gate valves, we finally have valves that deliver what they promise.»

Fernando Pastor
Mechanical Maintenance Manager,
Munksjö Tolosa S.A.U

Commissioning of the first Wey
knife gate valve

2017

Since then, necessary repairs to the
160 Wey valves

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Whereas some of the knife gate valves previously installed had to be replaced every year, the new Wey valves have been in trouble-free operation for several years now. This is already having a positive effect on the costs and productivity of the entire plant.



Wey knife gate valve VN
in a tank with milk of lime
for pH regulation

Result

Contact us to discuss your individual application. We show solutions that work.

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