



BELLMER

Separation Technology

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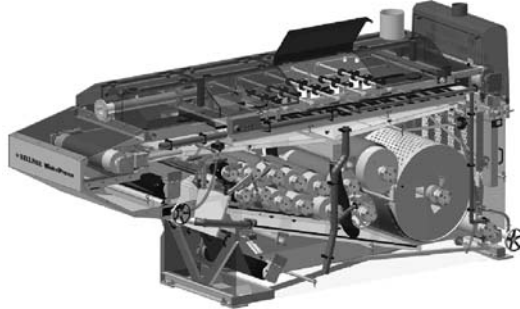
The new WinklePress™ WPN cuts your costs

The WinklePress™ has always been noted for the lowest operating costs. Now we have optimised the WinklePress™ to reduce operating costs even further. Once again, our engineers were able to pioneer a number of new developments, such as:

- ▶ 1-3 % higher dry solids contents due to a further optimised roller configuration and process technology
- ▶ 5-10 % decrease in flocculant costs
- ▶ Lower maintenance costs due to high quality materials
- ▶ Automation by means of BELLMER SYSTEM CONTROL™ BSC

Every detail of the previous generation of the WinklePress™ proven to be good remains, but there have been many significant changes, particularly a redesign of the dewatering process for more sensitive sludge treatment. In the meantime, quite a number of WinklePresses™ of the new genera-

The WinklePress™ offers a lot of new details



tion have already been installed at our customers. All results have been confirmed during continuous operation. If you are interested in reducing your operating costs, please test our new WinklePress™ on its new pilot truck.



Test the new WinklePress™

Efficient sludge thickening with the original The TurboDrain™

By introducing the TurboDrain™ in the market, Bellmer has revolutionised the thickening of waste-activated sludge. Without any problems, the TurboDrain™ copes with thickening

of most difficult sludges. Thanks to the experience resulting from numerous thickening units sold worldwide, our engineers have improved the TurboDrain™ even further:

The latest machine generation is characterised by integrated maturation chamber, optimised feed chamber as well as ramp. Details, which may not be obvious, make often the difference. It is not without reason that the TurboDrain™ regularly comes out on top in on-site comparison tests.

If you want performance and quality, only accept the original – the Bellmer TurboDrain™.



Easy to operate and highly efficient: The original TurboDrain™

Dear Info Reader,

We are delighted to welcome you at our booth!

For more than 35 years, Bellmer has been specialising in sludge treatment. Our continuous new developments offer quite a number of solutions, enabling our customers to respond optimally to changing conditions in the field of sludge treatment and sludge disposal. This year, we would like to introduce our new WinklePress™. Thanks to the most modern dewatering technology, dry solids contents can be improved, on an average, by 2 %, resulting in a considerable reduction of operating costs.

Furthermore, we would like to present to you the various fields of application of the proven BELLMER FINE FILTER™ BFF, allowing a decrease in costs of operation.

We offer a great variety of solutions for automation. The core is the BELLMER SYSTEM CONTROL™ BSC, enabling you to reduce your operating costs.

Our service team provides many opportunities to upgrade ageing machines to the latest state of development. Do get in touch with our service specialists. We will be pleased to advise you exhaustively.

Yours sincerely

Philipp, Martin and Erich Kollmar



Winner in on-site comparison tests

BELLMER

BELLMER FINE FILTER™ BFF

Membrane filtration for most demanding applications

The BELLMER FINE FILTER™ BFF is a dynamic membrane filter having perfectly stood the test in various fields of application.

Treatment of sewage sludge

The BFF drains the sludge liquor from the digestion tower during the digestion process – without any addition of flocculants. The volume of sludge to be dewatered is reduced and the operating costs are lowered.

	Results before BFF installation	Results after BFF installation
Digested sludge m ³ /p.a.	17,647	9,889
DS quantity t/p.a.	600	445
Ash content	40 - 45 %	55 - 60 %
DS discharge	25 %	31 %
Amount to be disposed t/p.a.	2,400	1,435
Costs for disposal p.a.	144,000	86,100

The BELLMER FINE FILTER™ BFF reduces operating costs:
Example: Sewage treatment plant of Tauberbischofsheim:
about 60,000 EUR p.a.

Filtration of rainwater

Drinking water is becoming increasingly scarce, and contaminated water is a heavy burden on the environment. Semi-decentralized concepts,

such as the BFF, offer sustainable solutions. Rainwater collected in housing estates is prepared by means of the BFF.



The BFF has a great savings

After cleaning, the water flows back to the houses. The purified water is suitable for domestic use and fulfils drinking water quality requirements.

Wastewater treatment

The BELLMER FINE FILTER™ BFF focuses on semi-decentralized wastewater treatment.

The central idea is to avoid building and maintaining expensive sewage networks. The wastewater is collected by a vacuum system and biologically purified.

BELLMER Service Upgrade your machine

Due to overhauling or rebuild, ageing WinklePresses™ or TurboDrains™ can be upgraded to the latest state of development. The original state of the machine is nearly reached by a complete overhauling. Additionally,

we are able to integrate the latest technical developments in your existing equipment. Do opt for retrofitting state-of-the-art drives, high pressure dewatering sections or retention plates. Whatever solution we will

recommend, a quick ROI is guaranteed. An increased performance as well as a reduction in operating costs will be achieved.

Overhauling or rebuild will be executed on site or on demand in our workshop. We will be pleased to offer rental tools in order to simplify the rebuild.



Always at the ready: our service team



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BELLMER SYSTEM CONTROL™ BSC

Automation thinking for itself ...

Bellmer offers a large variety of independent solutions for automation. The core is the BELLMER SYSTEM CONTROL™ BSC.

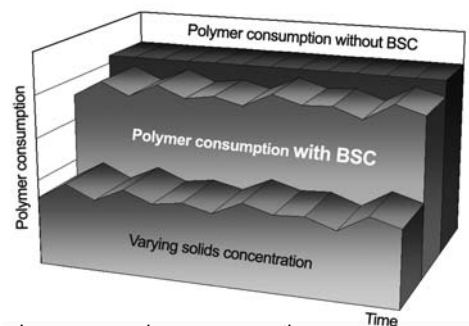
An operating system based on Windows as well as a colour graphic display with touch screen offer a high operating comfort. The BELLMER SYSTEM CONTROL™ BSC can perfectly be integrated into PLC or DCS systems.



Cost reduction with the BELLMER SYSTEM CONTROL™ BSC

... and helping you to save money!

The BELLMER SYSTEM CONTROL™ BSC detects fluctuations of solids concentration and adjusts accordingly the polymer dosing. Thus, fewer polymers are required during continuous operation. Without automation, varying operating conditions entail unsatisfactory dry solids contents. Do adjust an optimum and even dewatering result and reduce your disposal costs.



Lower your polymer consumption by means of the BSC

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