

DECANTER CENTRIFUGES & PLANTS FOR SOLID/LIQUID SEPARATION



DRINKING & SEWAGE WATER TREATMENT, SLUDGE THICKENING WITH HILLER DECANTER TECHNOLOGY

CLEAN WATER FOR INDUSTRY AND LOCAL AUTHORITY DISTRICTS

Responsible use of the precious resource water is one of today's biggest challenges. Industry and local authority districts are confronted with high requirements with regards to sustainable use of drinking water.

To ensure that these requirements can be met sensibly and economically, HILLER has been developing and manufacturing decanter centrifuges and complete systems for solid-liquid separation which are

used in the field of industrial and municipal environmental technology for many decades.

The HILLER DecaPress decanter is used, among other things, for industrial water treatment, the dewatering or thickening of sewage sludge, the treatment of drinking water and the development of renewable energy sources.

BENEFITS

- highest dry substance content in the discharge
- low power consumption by energy-efficient design
- reduced disposal costs due to excellent separation results
- high degree of automation and simple operation
- efficient wear protection technologies

ENVIRONMENTAL PROTECTION & ECONOMIC EFFICIENCY

Due to the enormous savings in operating and disposal costs, the HILLER decanter pays for itself after only a short time.

In addition to protecting the environment, the HILLER DecaPress makes a significant contribution to the economic efficiency of the overall process thanks to the low use of polymers, low energy and water consumption, and the high solids content in the discharge. In addition, the long service life and short downtimes of the HILLER decanters ensure high cost efficiency.

HILLER provides you with complete solutions with all plant components from a single source - also as turnkey compact or container plants.



HILLER SLUDGE DEWATERING - FOR HIGHEST DRY SUBSTANCE CONTENTS

In sludge dewatering, the HILLER DecaPress stands out among the entire competitive field in that it is particularly easy to set up and runs very robustly and stably in everyday operation, especially under unstable/fluctuating feed conditions. And all this with high throughputs and significantly reduced consumption of energy and flocculants.

In the discharge, HILLER decanters achieve the highest dry substance contents, which in turn leads to reduced disposal costs.

HILLER SLUDGE THICKENING - MOSTLY POSSIBLE WITHOUT FLOCCULANTS

In sludge thickening, the surplus sludge produced is concentrated to a predefined dry matter content. This step reduces the sludge volume by up to 90%. The decanter technology used for thickening was specially designed for this task. In most cases, the HILLER decanter gets by with no or only very small amounts of flocculation aids during thickening.

Here, too, further cost advantages result from the high degree of automation and the high energy efficiency of the HILLER decanters.

SCHEMATIC DIAGRAM WITH A HILLER DECAPRESS FOR DEWATERING OF SEWAGE SLUDGE

