

DECANTER CENTRIFUGES & PLANTS FOR SOLID/LIQUID SEPARATION



HILLER Decanter Technology for the treatment of **DRINKING** and **SEWAGE WATER** and for **SLUDGE THICKENING**

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.

In order to meet these requirements in a sensible and economic way HILLER has developed and produced for many decades Decanter Centrifuges and complete

Plants for solids-liquids separation which are used in industrial environmental technology and in that of local authority districts.

The HILLER DecaPress Decanter is used among others for industrial water treatment, dewatering and thickening of sludge, for drinking water processing and for the development of regenerative energies.

ADVANTAGES of the HILLER Decanter Technology:

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

ENVIRONMENTAL PROTECTION & ECONOMIC EFFICIENCY

By the huge saving of operational and disposal costs the HILLER DecaPress pays for itself after a short time only.

On top of environmental protection the HILLER DecaPress also plays an important role when it comes to economic efficiency of the total process: A minimum use of polymers, the low energy and water consumption and the high solids content in the discharge. Furthermore, the long service-life and short down-times of HILLER Decanters save additional costs.

HILLER offers complete solutions with all plant components from a single source – also turn-key compact or container plants.



HILLER SLUDGE DEWATERING
– for highest dry substance contents

In sludge dewatering the HILLER DecaPress stands out from the competition by a very simple adjustment system and rigid and stable running behaviour – especially with unstable / changing supply conditions. Even with high throughputs and significantly reduced consumption of energy and flocculants.

In the discharge HILLER Decanters reach highest dry substance contents – leading to reduced disposal costs.

HILLER SLUDGE THICKENING
– often possible without flocculants

In sludge thickening the produced excessive sludge is concentrated to a defined dry substance content. By this step the sludge volume is reduced by up to 90%. The used decanter technology has been specially designed for this task. In most cases the HILLER Decanter does not need a flocculant at all for thickening and achieves highest degrees of separation.

Further cost advantages are above all the low or no polymer consumption and the high energy efficiency of the HILLER Decanters.

SCHEMATIC DIAGRAM with a HILLER-DecaPress Centrifuge installation for dewatering of sewage sludge

