

## J+A Bache Classifier™ Grit Washer

Incorporating the Bache Classifier

### Key features & benefits

- Stainless steel construction for ease of maintenance
- Few moving plants for maximum design life and durability
- Handles mixed solids from unscreened sewage
- Classified grit is free of putrescible solids, reducing volume and improving odor

### How we create value

- Requires minimal maintenance itself and reduces maintenance and repair costs for downstream screening equipment
- Reduces costs and space requirements for grit storage and disposal



## J+A Bache Classifier™ Grit Washer

The demand for cleaner waste products free of biodegradables is growing, as are the legislative requirements of governing bodies. Although good efforts have been made to achieve the best possible grit / organics separation in the past, few operating plants have been very successful.

The J+A Bache Classifier™ grit washer is a highly effective tool for the separation of grit from foul and odorous organic solids. Not only does it produce a consistently clean grit, it also offers considerable benefits in addition. These include the valuable reduction of waste volume for removal from the site and the reduction of odor problems, so that storage of cleaned grit (even within an enclosed preliminary works building) is acceptable.

Finally, because the J+A Bache Classifier grit washer is designed to handle gross solids, the primary grit removal system can be located upstream of screening equipment. This prevents the abrasive wear of screens, reducing maintenance and prolonging equipment life.

### How it Works

As water flows through the J+A Bache Classifier grit washer, solids and grits are deposited on the floor of the Bache Trough. These are washed and then flushed (in the tilted mode) into the dewatering screw conveyor positioned below. Dewatered grit is then deposited for loading and removal from the site.

The J+A Bache Classifier grit washer is a two-piece classifier and washer construction, allowing a flexible approach to design and layout.

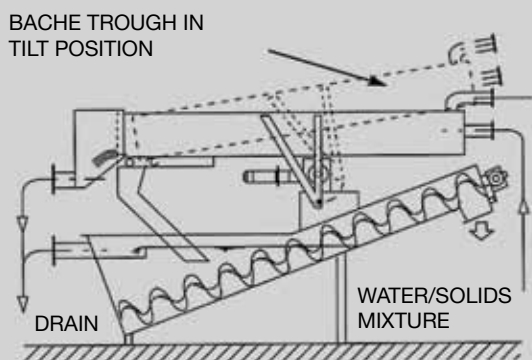
### Capacity

The grit, solids and water mixture is delivered to the grit washer from the primary separating system using heavy duty pumps. The J+A Solids Pump system is recommended, and can be packaged with the classifying apparatus. Normal pumping duties are carried out via 100mm nominal bore pipes, with a normal recommended flow rate of 15 liters per second, which is easily accommodated by the J+A Bache Classifier grit washer.

The maximum acceptable flow rate is 23 liters per second for the normal grit capture specification of 0.2mm diameter and 2.65 specific gravity. Flow rates in excess of the stated maximum may be possible when grit capture specifications are relaxed or where the configuration can be modified to suit the individual application.



Grit undergoes washing in the constant velocity, Bache Trough.



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