

FKC CLASS A SYSTEM

Simultaneous Dewatering & Pasteurization

(PATENTED)



2005 Innovative Technology
Award Winner

FKC Class A System operating at Sequim, WA
Produces 35-40% solids on waste activated sludge

APPLICATIONS

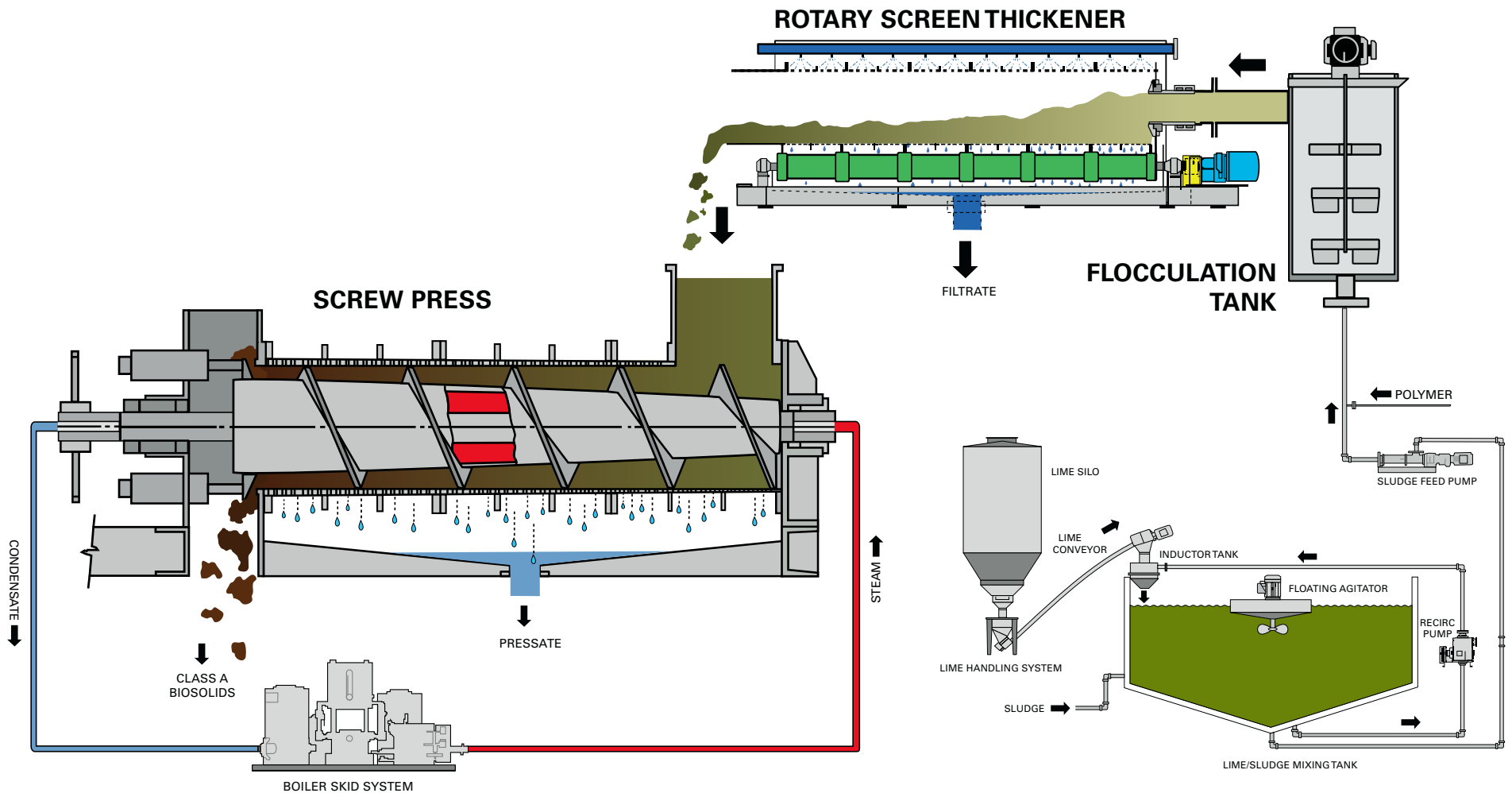
- Municipal WWTP Sludges of All Types (Aerobically Digested, Anaerobically Digested, Raw)
- Primary, Secondary, or Mixed Sludges
- Industrial Biosolids
- Septage

FEATURES OF THE FKC CLASS A SYSTEM

- Single process to both dewater and produce Class A biosolids.
- Uses significantly less lime than competing Class A technologies using lime
- Produces a homogenous, dry product resembling soil
- Low capital and operational costs
- Simple, Unattended Operation



Dewatered and Pasteurized Biosolids
from Sequim, WA FKC Class A Installation



FKC CLASS A SYSTEM PROCESS DIAGRAM

First lime is added to liquid biosolids to raise the pH to 12 to meet EPA vector attraction reduction requirements. The lime treated biosolids are then flocculated with polymer, prethickened in an FKC rotary screen thickener, and then fed to a steam heated FKC screw press. Inside the screw press the biosolids are dewatered and heated to meet EPA pathogen reduction requirements. Screw press outlet consistencies are usually 30 to 50% dry solids.



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