

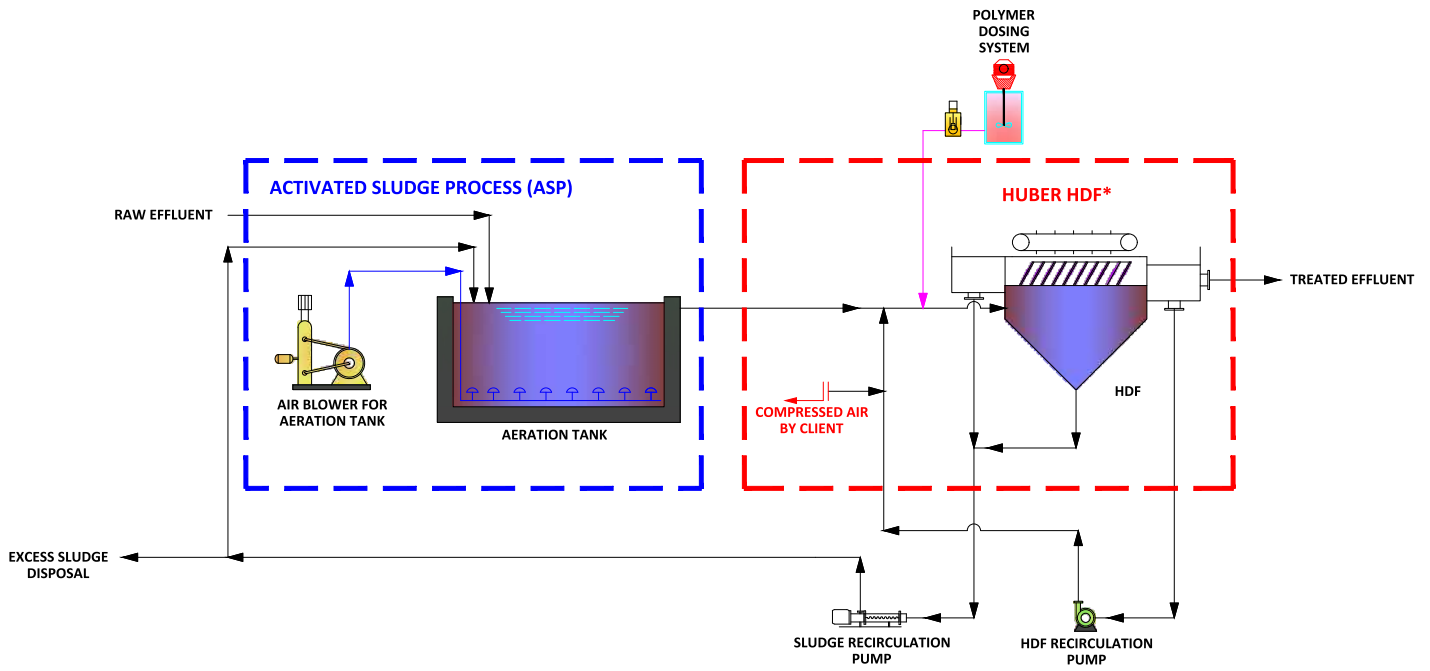
ASP-HDF® process

Activated Sludge Process with HUBER's dissolved air flotation is ideal for reducing effluent treatment plant (ETP) footprint



ASP-HDF® is a high rate activated sludge process (ASP) that works well even at high mixed liquor suspended solids (MLSS) concentrations with the help of HUBER HDF®.

- HUBER HDF® as dissolved air flotation system that helps retain high MLSS in the aeration tank
- High MLSS help **increase process efficiency** and reduce **aeration tank volume**
- Existing activated sludge process can also be upgraded to ASP-HDF®



Flow diagram

Features and benefits:

- Inherent capacity to handle most upsets in an aeration tank
- Can also be ***coupled with upstream anaerobic and/or anoxic zone*** for effective de-nitrification and nutrient reduction
- Unique HDF[®] design that ***facilitates high MLSS concentration*** of up to 15000 ppm in the aeration tank
- **> 90% reduction in COD** (biodegradable)
- Better process control
- ***Reduces aeration tank volume*** as compared to conventional activated sludge process (ASP)
- ***Reduces ETP footprint*** by up to 30%