

PUMP CONFIGURATIONS

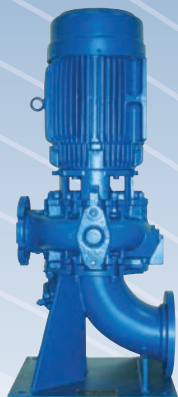
DIRECT DRIVE
Supplied with
spacer coupling



V-BELT DRIVE
Side by side, "U" or "Z"
mounting available



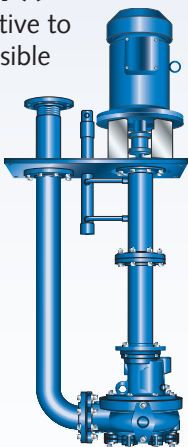
VERTICAL DRY PIT
For small footprint require-
ments



VERTICAL CANTILEVER
Rugged design;
no mech. seal or
sleeve bearings



**VERTICAL BEARING
CHOPX**
Alternative to
submersible



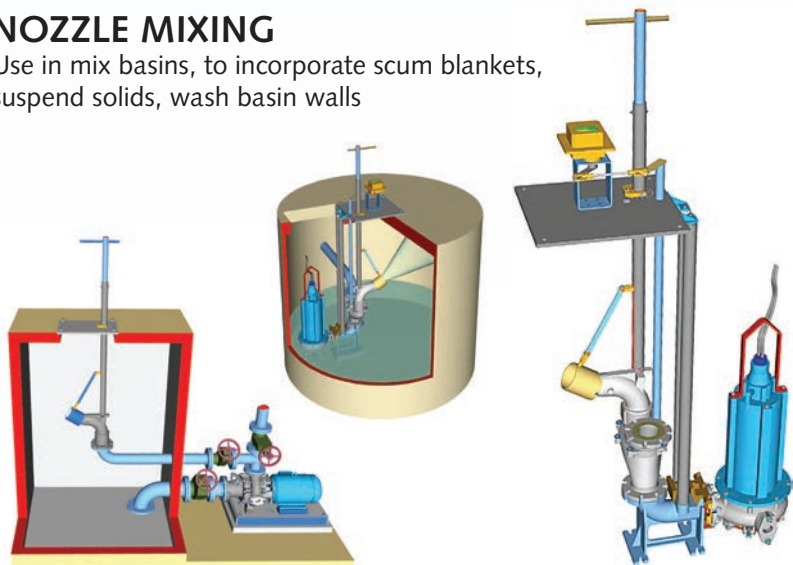
SUBMERSIBLE
With quick disconnect
for easy installation
and maintenance



CLOSE COUPLED
Simplified, rugged compact design



NOZZLE MIXING
Use in mix basins, to incorporate scum blankets,
suspend solids, wash basin walls



PROCESS PUMPS

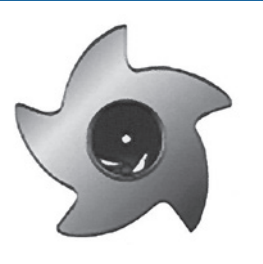


ASME B73.1 PUMP DESIGN

- Applications:**

 - Seal flush water
 - Non-potable water
 - Effluent (gray water)
 - Chemical injection
 - Chemical transfer
 - Reverse vane impeller (lower seal housing pressure)
 - Cogeneration - hot water, cooling water
- Features:**

 - Tapered seal housing (improved flow at seal faces)
 - Bearing frames standard with labyrinth type seals
 - Double row angular and single row deep groove bearings
 - Back pull out
 - Low NPSHr Requirements
 - Solid shaft with optional sleeves



MANUFACTURING FACILITY



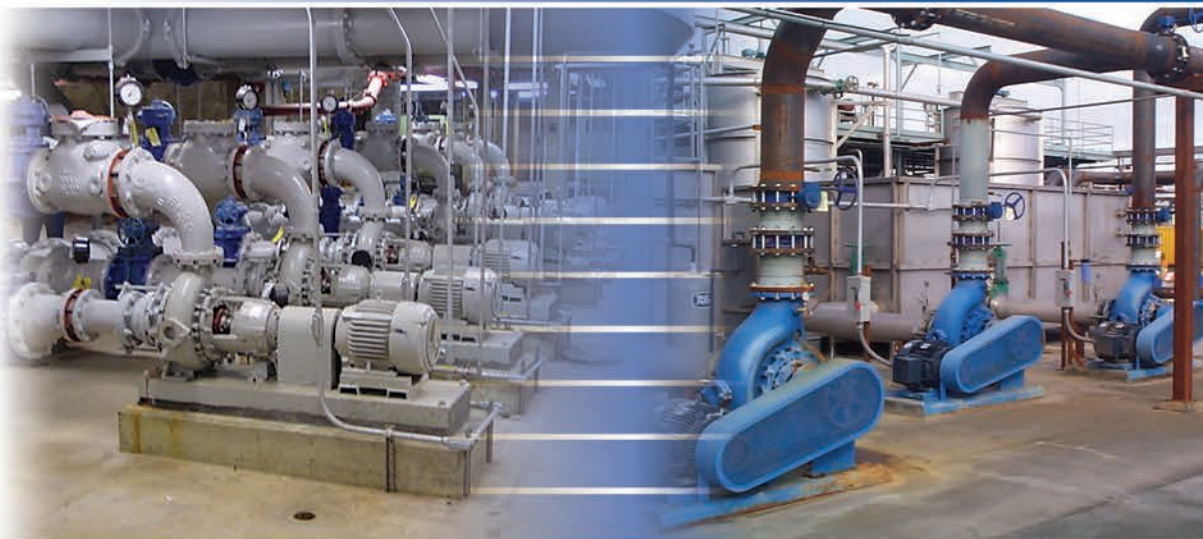
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06/15 1.5M
Printed in Canada



WATER AND WASTEWATER
TREATMENT



www.haywardgordon.com

PUMPS & MIXERS

SOLIDS HANDLING PUMPS

RECESSED IMPELLER

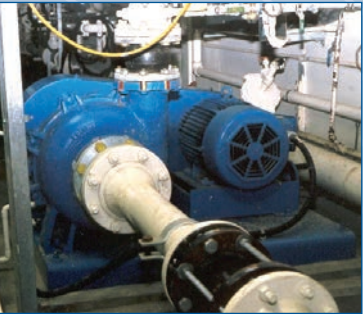


Common Applications:

- Grit
- Primary Sludge
- Highly abrasive applications
- Passage of large solids

Key Information:

- Flows from 40-2,000 USGPM TDH to 190'
- Super Ni hard construction >650 BHN
- Foot mounted casing for true back pull out
- Replaceable and adjustable long life wear element



SCREW CENTRIFUGAL

Common Applications:

- RAS/WAS
- Digested sludge
- High flow and low head hydraulics
- Low shear application

Key Information:

- Flows from 100-10,000 USGPM TDH to 170'
- Hi chrome construction >450 BHN
- Foot mounted casing for true back pull out
- Replaceable and adjustable long life suction liner
- Commercially available seals



CHOPPER



Common Applications:

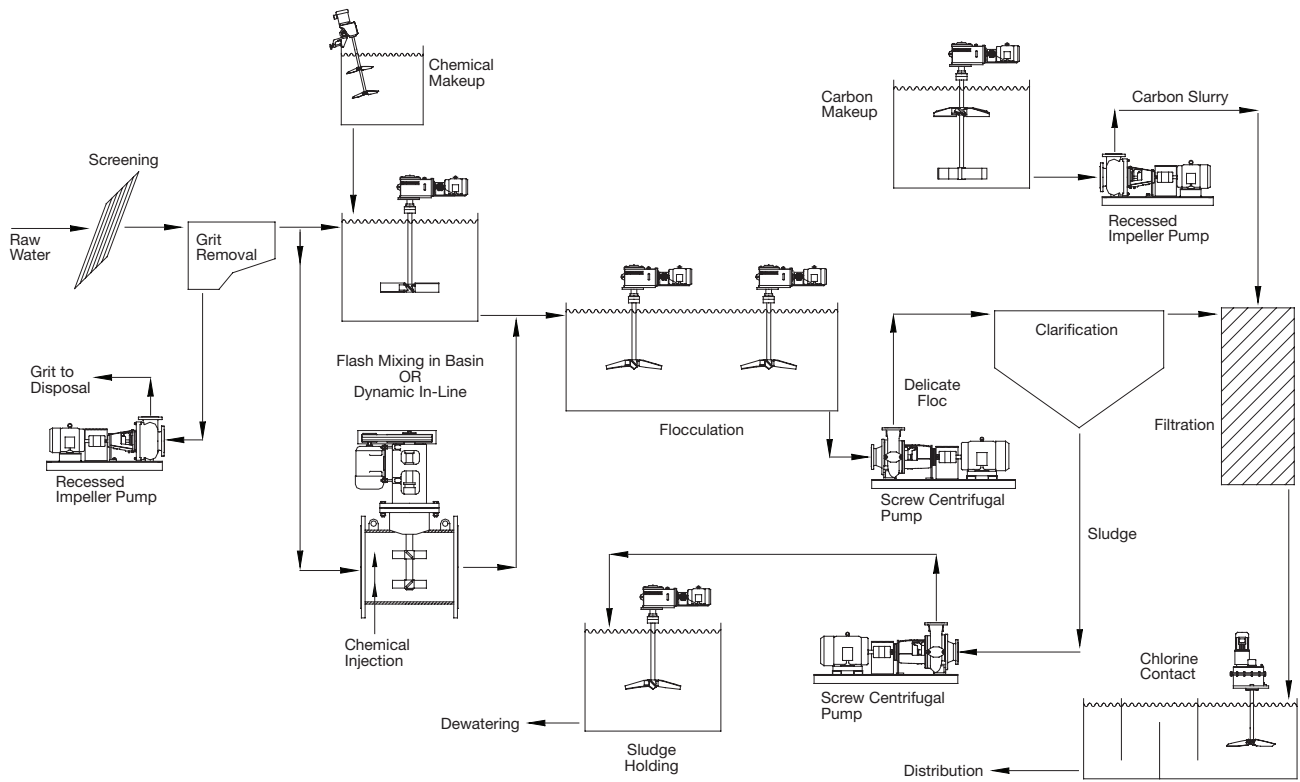
- Clarifier scum pits
- Feed heat exchangers
- Nozzle mixing
- Septage receiving and difficult lift stations

Key Information:

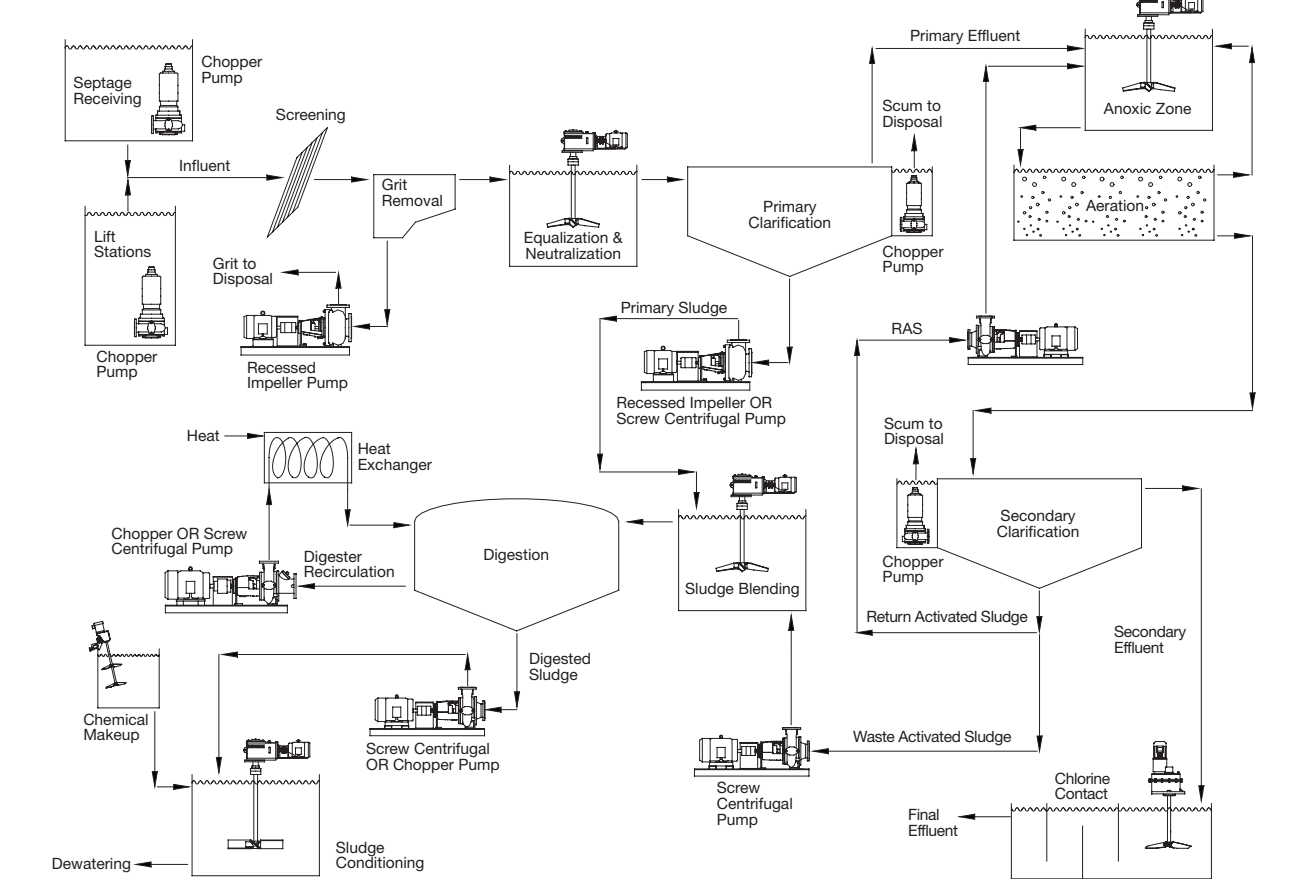
- Flows from 80-6,500 USGMP TDH to 110'
- Hardened steel construction >650 BHN
- Foot mounted casing for true back pull out



WATER TREATMENT



WASTEWATER TREATMENT



TOP ENTRY MIXERS

Common Mixer Applications:

- Flocculation
- Flash/Rapid mixing
- Carbon makeup
- Chlorine Contact
- Sludge mixing
- Anoxic zone
- Equalization basins
- Neutralization basins



HAYWARD GORDON CAPABILITIES AND SUPPORT

- Computational Fluid Dynamics (CFD)
- Mixer sizing software
- Rapid quote response time
- Rugged proven designs
- Full range of top entry mixers
- Standard and "quill" gearbox designs

- ¼ hp up to 500 hp sizing
- Dynamic inline mixers
- Portable mixers
- Over 60 years of mixing experience
- Carbon steel, stainless steel, exotic metals
- Academy of Mixing Technology

