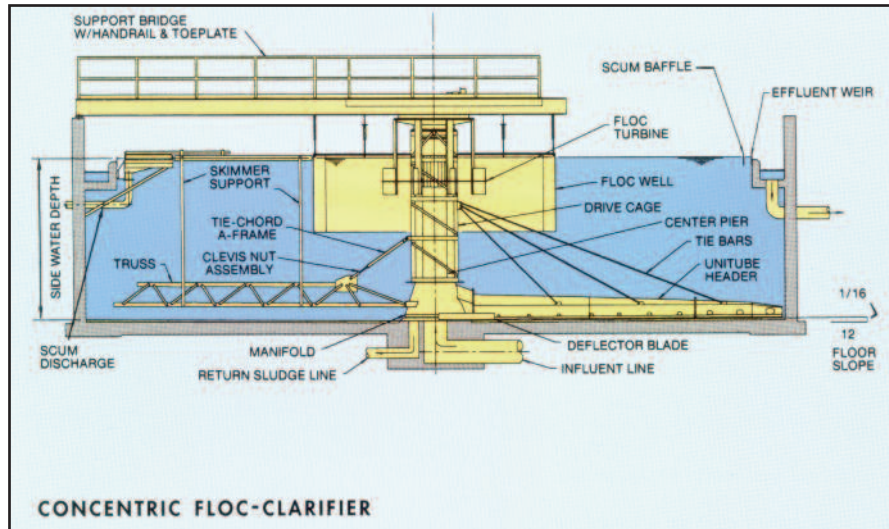


# Floc-Clarifiers



## For Simultaneous Flocculation And Clarification

An Envirex® floc-clarifier reduces overall operating costs and initial capital outlay, when compared to separate flocculation and clarification units. It combines the basic components of the circular clarifier with flocculation.

The Envirex® floc-clarifier can be applied to process requirements such as water treatment (removal of color, particulates, chemicals) or wastewater treatment (phosphorous removal, trickling filter solids contact systems).

Changes to the design include a larger influent well, sized to provide the required flocculation time. In some instances, modifications to the bridge and supporting structure may be required.

Mixing is also added to achieve economical flocculation. Proven designs include mechanical mixing, air supply, or hydraulic baffles.

Mechanical flocculation is provided by either concentric "stacked" drives or independent mixers.

## Reactor Clarifier

A special adaptation to the Envirex® floc-clarifier is the reactor clarifier. It employs sludge recirculation within the clarifier to increase floc formation and particle interaction and uses the sludge recirculation within the clarifier to increase floc formation and particle interaction and uses the sludge bed to filter the effluent flow. While it is an excellent performer, it is more restrictive regarding application than a floc-clarifier.

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