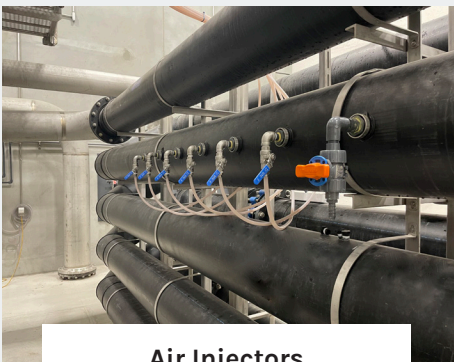
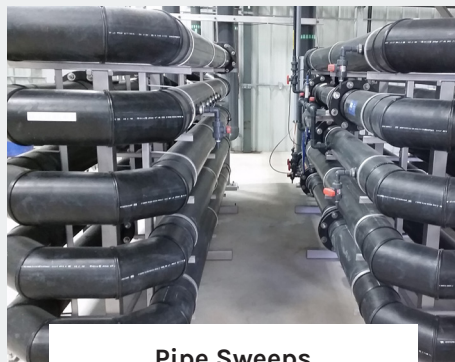


F-SERIES Flocculators



Air Injectors
DISSOLVED AIR ENTRAINERS



Pipe Sweeps
SHEAR FORCE ELIMINATORS



Mixing Zones
PRECISE CHEMICAL DISPERSION

Overview

FRC's F-Series Flocculators efficiently coagulate and flocculate suspended solids using no moving parts or external energy inputs, such as mechanical mixers. Having proper chemical addition prior to DAF is critical for effective solid separation.

FRC Flocculators come standard with fittings for chemical dosing, sampling, and whitewater injection. Model capacities are available up to 4,000 GPM. Materials of construction available in HDPE, PVC, SS304, and SS316.

Features

Air Injection Ports

F-Series Flocculators include air injections ports to introduce micro bubbles prior to DAF. This allows air to be entrained in the structure of the flocculated solids. Benefits include:

- Faster separation in DAF vessel
- Smaller DAF tank requirements

Wide Radius Pipe Sweeps

FRC's F-Series Flocculators utilize sweeping, wide-radius fittings for pipe turns. This eliminates shearing at pipe bends so that flocs can grow larger over the rest of their retention

time in the flocculator. By not shearing flocculated solids after formations, operators will require less chemicals to achieve the desired level of separation and clarification.

In-line Mixing Zones

The in-line mixing zones increase particle collisions which aid in chemical dispersion and floc formation. This method avoids the use of mechanical components, simplifying both operations and maintenance. The mixing zones of each flocculator are uniquely designed based on the GT values, flow rate, and application to achieve the best performance.



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