

Blue River Technologies

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Inline Flocculant Mixing Manifold w/Stand

TECHNICAL INFORMATION



The mixing element consists of a series of stainless steel mixing paddles. The paddles are arranged in such a way as to reverse the rotational direction of flow after every third paddle. The mixer is designed to allow solids and trash to flow thru the mixer with minimal plugging. Proper blending of sludge with the flocculant will reduce your chemical costs.

Blue River Technologies can also set up the flocculator with a stand, mixing tee w/ slide valve, and discharge tee with 2" sampling valve. This allows the flocculator to be moved out to a sand drying bed, geotextile bag dewatering pad or other area as needed. The sampling valve will allow the operator to check the condition of the flocculated sludge to insure proper dewatering.

- These flocculators are available in 3" or 4" Sizes with cam lock end connections.
- Blue River Technologies sludge mixing manifolds are designed to gently mix a prepared flocculant solution with sludge to cause the solids to separate from the water and coagulate into clumps. This process requires a thorough mixing of the chemical with the sludge without over mixing.
- The inlet end of the mixer can be fitted with either a 3" or 4" camlock male adapter fitting to allow the supply hose to be attached and removed quickly and easily. When ordering the mixing manifold the desired inlet connection size must be requested.
- A 4" pvc slide valve is located near the inlet connection that allows the operator to shut off the flow when pumping is ended to prevent backflow.
- The chemical injection quill is manufactured from stainless steel and fitted with a 1" PVC check valve.
- The base and stand is constructed from 1" angle iron and fitted with 8" wheels to allow the unit to be easily moved from place to place and needed.
- The Inlet and Discharge ends can be with a 3" or 4" male cam lock adapter.
- A 2" pvc valve is attached to the discharge end to allow the sludge to be checked from time to time to insure proper flocculation.