

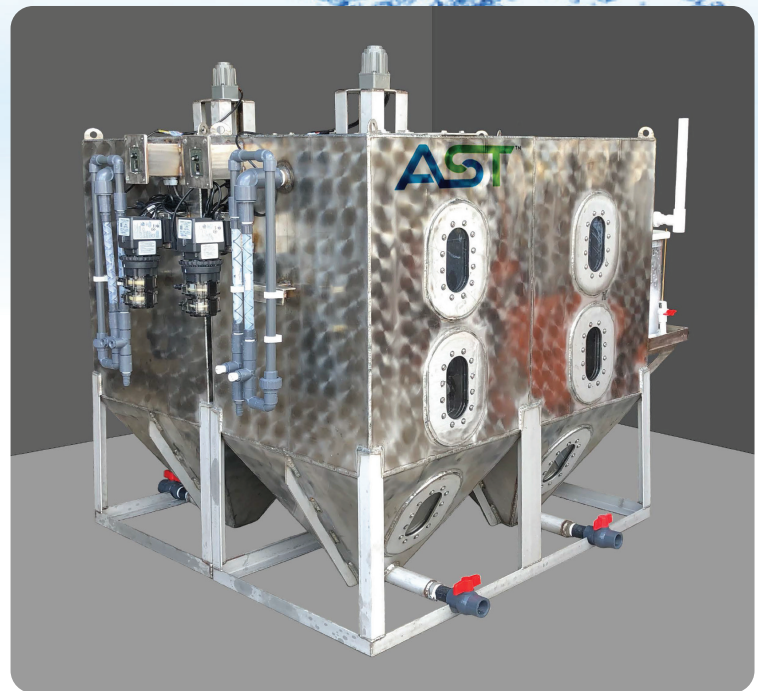
# Coagulation PhosphoGeyser (CPG)

**AST**<sup>®</sup>  
BEAD FILTER SOLUTIONS

## ALL IN ONE TREATMENT TO PRECIPITATE AND FLOCCULATE DISSOLVED CONTAMINATES

AST's Coagulation Phosphogeyser (CPG) utilizes chemical coagulation and flocculation to remove phosphorous, dissolved metals, and turbidity from contaminated waste streams. The CPG system provides all in one treatment that doses and mixes the treatment chemicals with the waste stream to precipitate and flocculate the dissolved contaminants.

The effluent of the CPG is polished prior to discharge by AST's patented PolyGeyser technology to provide a clear effluent to meet strict phosphorous, heavy metal, or turbidity standards.



### Treatment Objectives

- **PHOSPHORUS REMOVAL:** The CPG removes dissolved phosphorous from Horticulture/hydroponic, aquaculture, and wastewater waste streams to meet strict phosphorous discharge standards.
- **IRON REMOVAL:** The CPG is perfect for removal of iron from contaminated groundwater sources to reduce downstream fouling due to iron buildup and deposits.
- **TURBIDITY REMOVAL:** The CPG system has the ability to chemically coagulate turbid waters to provide clear effluents to increase aesthetics or increase UV based disinfection systems efficiencies.
- **HEAVY METALS REMOVAL:** The CPG provides treatment for an assortment of heavy metals via chemical precipitation to meet stringent metal discharge standards either to municipal sewers or environmental discharges.

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