

WATER LYNX™ CYCLONE REACTOR

Portable TSS/NTU Reduction



www.clearflowgroup.com

LATEST IN ADVANCED TECHNOLOGY FOR HIGH RATE TSS REDUCTION

- Uses our patented Water Lynx flocculants
- Plug and play installation
- Passive treatment
- Small footprint
- In-line install treats water using pump energy
- Self dosing / self limiting

The WATER LYNX™ CYCLONE REACTOR:

- Flocculates Total Suspended Solids for easy removal
- High flow rate, up to 1000 US GPM
- Stainless steel construction
- Effective over wide ranges of pH and temperature
- Additional injection points for other chemistry (liquid flocculants and pH adjustment)

SPECIFICATIONS:

- Flow rates 400 - 1000 US GPM
- Inlet – 6" MNPT SCH10 (or 6" ANSI 150 flange)
- Outlet – 6" FNPT (or 6" ANSI 150 flange)
- Length (without 6" ANSI 150 flanges) – 137"
- Length – (with 6" ANSI 150 flanges) – 138"
- Width – 19"
- Height – 22" (to top of lifting brackets)
- Mass (dry weight) – 500 lbs.



The Cyclone Reactor System is a flow through reactor engineered to release ready-state Water Lynx polymer into the water within the Cyclone chamber. The Cyclone chamber accelerates Water Lynx release utilizing induced vortex energy; this enables treatment of higher flow rates in a smaller footprint. Upon flow release from the Cyclone chamber, the flocculated solids aggregate based on reduced flow energy and induced cyclonic flow.

Primary application is TSS removal from mining runoff and process water, stormwater, municipalities, and construction sites. Cyclone reactor hookup is easy using the 6" ANSI 150 flanged connection, no extra power is needed other than the flow from on-site pump. Design flow rate through the Cyclone is 600 – 1000 US GPM.



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SHERWOOD PARK, ALBERTA
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Group Inc.

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NOTES:

This image shows a single sheet of white paper with horizontal blue ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

Environmental Services Association of Alberta



Canadian Council for
ABORIGINAL
BUSINESS



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