

Hydrodynamic Separator Selection & Sizing Tool

Hydrodynamic Separation Product Calculator Jane Smith (external) ☰

Project Name : Birmingham Gas Station Site Designation : WQ

1 Project 2 Design **3 Treatment** 4 Performance

System Sizing

Treatment System Options
CDS or Cascade Separator

User Selected Treatment System *
 Cascade Separator 👌
[Learn More About Cascade Separator](#)

Particle Size Distribution or D50 *
 110 👌

System Model
 CS-4 👌

Predicted Net Annual Removal Efficiency (%):
 80.85 👌

The peak flow rate exceeds the maximum capacity of the unit. The unit must be placed offline.
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Cascade Separator Features

The diagram illustrates the internal structure of a Cascade Separator. It features a central blue cylinder surrounded by a slanted skirt. Water enters through a grate inlet at the top into an inlet chamber, then flows through flumes into a center chamber. From there, it passes through outlet channels and an outlet deck with windows into an outlet pipe. A sump at the bottom collects debris, which is then drained through a drain down pipe. Multiple inlets are shown on the right side.

Learn More:
www.ContechES.com/designcenter

Quickly prepare designs for estimates and project meetings ...

Engineers are always looking for new ways to quickly prepare designs for estimates and project meetings. Contech has developed an online tool to help with the hydrodynamic separation product selection process... the Hydrodynamic Separator Selection and Sizing Tool.

Part of the Contech Design Center, this free, online tool fully automates the layout process for identifying the proper hydrodynamic separator for your site. You can create multiple systems for each project while saving all project information for future use.

- Multiple sizing methods available.
- Site-specific questions ensure the selected unit will comply with site constraints.
- Multiple treatment options may be available based on regulations and site parameters.
- Follow up reports contain a site-specific design, sizing summary, standard detail, and specification.

A free, online tool to aid in the selection of a hydrodynamic separation solution.