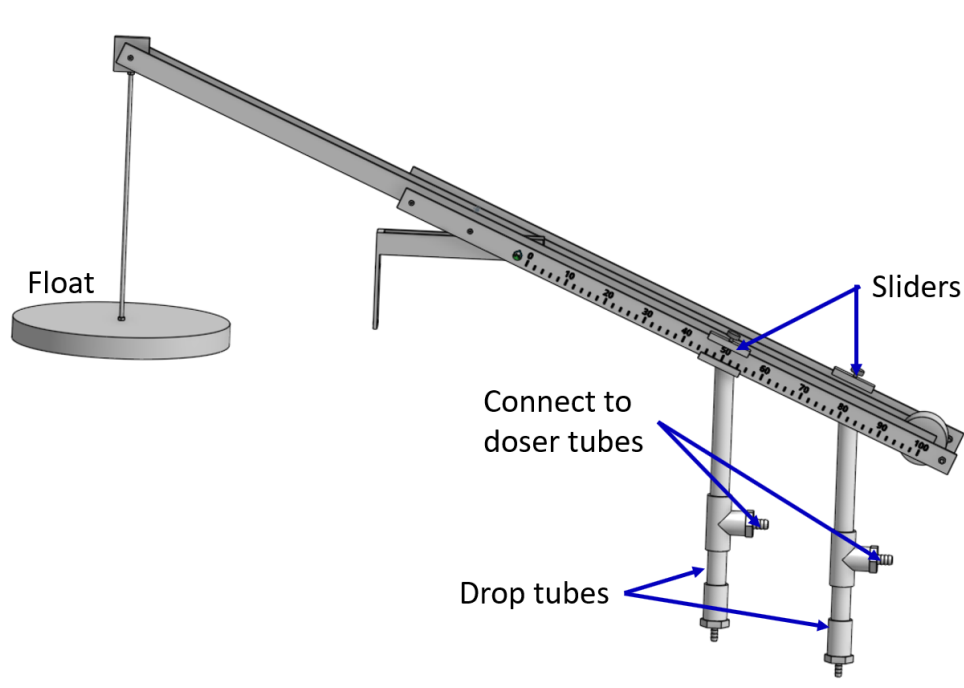# Chemical Dose Controller Configurable Component

Figure 1: Chemical dose controller designed for two independent chemical feeds.
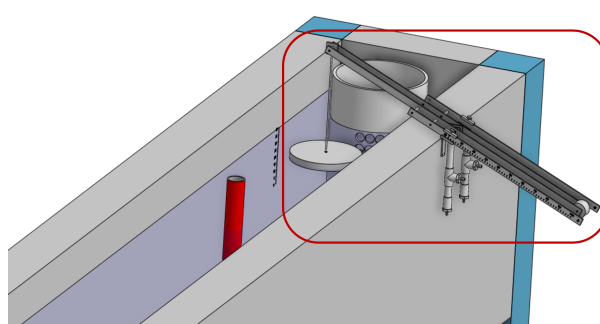

Figure 2: The chemical dose controller (outlined in red) is mounted on the wall of the entrance tank.

Generate New Models of the Chemical Dose Controller

Edit the configurations to create new models of the chemical dose controller. Send us AIDE Feedback 💧 to share how you are using the doser model, to give us suggestions for how to make these models easier to

use, and to report any bugs.

Figure 3: The configuration options for the chemical dose controller.

Table 2: Chemical dose controller configurations.

Configuration	Description
Fraction of plant design flow rate	The entrance tank water level is proportional to plant flow rate. The angle of the doser will change with this input.
Fraction of maximum coagulant dose	The coagulant slider position will change with this input.
Fraction of maximum chlorine dose	The chlorine slider position will change with this input.
Water elevation range (m)	Change in water elevation in the entrance tank that corresponds to the flow varying from 0 L/s up to the maximum design flow rate.
Entrance tank width (m)	The float position will be adjusted to ensure that it is inside the entrance tank.

Additional information is available in *The Physics of Water Treatment* in the section on Linear Chemical Dose Controller