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Fluent Client API ^{1.0.0}

[Base URL: api.fluent.walchem.com/]

<https://api.fluent.walchem.com/v2/api-docs>

Data Retrieval API available to clients of Walchem Fluent.

Overview

This is the Application Programming Interface to Fluent, which allows you to access data and alarm information for any of your Walchem Controllers that are configured in the Fluent system.

Fluent organizes information using the following hierarchy:

- Customer : typically the company receiving water treatment service
- Facility : the location where the service is being performed
- Process : a group of related inputs and outputs for water treatment

One or more processes run on a Walchem controller located within a facility belonging to a customer.

Controllers must be configured to send data to Fluent, and within Fluent a process must be created to hold data coming from a controller for that data to be stored by Fluent. If either the controller is not configured to send data to Fluent or a process for the controller's data is not created in Fluent, the data will not be accessible via this API.

Terms and Conditions

You agree that by generating an **Authentication Token** to use the Fluent Client API, you agree with Fluent's Terms and Conditions, including those that apply specifically to the Fluent Client API.

Please review the **Fluent Terms and Conditions** on the Fluent's [My Account](#) page.

Authentication

Use of the API is tied to a **Fluent user account**. If you do not have a Fluent user account, contact your Fluent Account Administrator to get one.

Once you have a Fluent user account, you will need an **Authentication Token** to use the API. Log in to your Fluent account, and go to the **My Account** page. Scroll to the **Client API Authentication Token** section. If the **Authentication Token** field is blank, click the **Generate Authentication Token** button.

The Fluent API uses your Fluent user id and this token to grant you API access to your data in Fluent.

Rate Limits

To prevent the Fluent API Servers from being overloaded, Fluent limits the number of requests that can be made over a specified period by each client to 100 requests per minute.

Each successful Fluent Client API request returns the following HTTP headers that can be used to help throttle API requests:

- X-Rate-Limit-Limit
- X-Rate-Limit-Remaining
- X-Rate-Limit-Reset

Once the API request limit has been reached, API calls will return an HTTP 429 error.

Subscriptions

To remove the need for polling for changes in data values, Fluent allows clients to **subscribe** to Fluent data change and alarm events.

Subscription requires providing a way for the Fluent Client API to use https POST to push data to the client's server.

To prevent exposure of sensitive information once the subscription is no longer needed, Fluent expires all subscriptions after 10 days. To keep a subscription active, it must be **renewed** before it expires, or it must be recreated.

A client can **cancel** a subscription explicitly when it is no longer needed.

[Authorize](#)

controller Information about your Walchem controllers.



subscription Information about your current subscriptions to Fluent events.



version Information about this version of the Fluent Client API.



Models



INVALID

