

# Bronkhorst FlowSuite

Easy configuration and control software



## Quick Start Guide

English

9.17.173A • 2023-07

## 1 Introduction

Bronkhorst FlowSuite is intended to be used to easily configure and control Bronkhorst® products. Bronkhorst FlowSuite is not intended to control critical processes but can be used to control and monitor research and pilot setups. For critical processes, it is recommended to use a dedicated process controller such as a PLC.

The software is available for several operating systems and supports the following Bronkhorst® products via USB or Bluetooth connection:

Product series	Product line	Windows	iOS	Android
FLEXI-FLOW™	Compact	USB	Bluetooth	Bluetooth
MASS-STREAM™	D-6400	USB	--	--
EL-FLOW®	Prestige	USB	--	--
Other*	Other	USB	--	--

Tab. 1. Supported connection types per product line.

### About this Quick start guide

This quick start guide is based on software version 2.66. Future updates may cause information and display views to differ.

## 2 Install Bronkhorst FlowSuite

- ▶ Go to the Bronkhorst website and select your operating system to download Bronkhorst FlowSuite.
- ▶ See the back cover of this guide for the download information.
- ▶ Follow the on-screen instructions to install the software.

## 3 Connect your product to a Windows PC

- ▶ Install your product according to the accompanying manual.
- ▶ Connect the product to the PC using Bronkhorst® accessory cables.
- ▶ Always connect only 1 operating system to the product at a time.

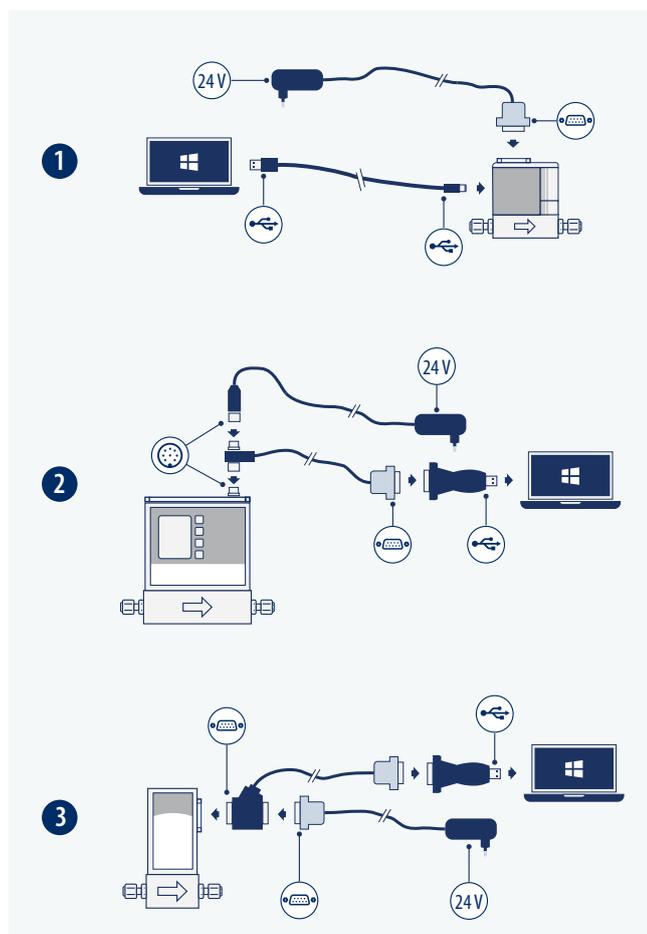


Fig. 1. Connecting your product to a Windows PC

1. FLEXI-FLOW™ - USB-A/USB-C cable - PiPS-EL-DSUB
2. MASS-STREAM™ - T-part 8DIN/SubD-9 - USB converter - PiPS-IN-8DIN
3. EL-FLOW® - Cable RS232 T-part DB9 - USB converter - PiPS-EL-DSUB

\* 'Other products' are not fully tested and not official supported.

## 4 Add your product to Bronkhorst FlowSuite (PC)

When Bronkhorst FlowSuite is started, the software will automatically search for connected instruments. All found instruments are displayed in the left pane.

- ▶ Use the refresh option (10-3) to check for newly connected instruments.

## 5 Using a Bluetooth connection

If your Bluetooth enabled device is listed (▶ Tab. 1), you can use Bronkhorst FlowSuite to monitor your process and Bronkhorst® products.

### Activating Bluetooth

- ▶ Connect the product to a Windows PC via its USB port.
- ▶ Start Bronkhorst FlowSuite on your PC.
- ▶ Go to the settings menu (10-6).
- ▶ Use the toggle to activate Bluetooth.
- ▶ Set a unique passkey.
- ▶ Save the Bluetooth settings.

### Pairing a Bluetooth device

To pair your Bluetooth device with the product:

- ▶ Make sure the device is in Bluetooth range.
- ▶ Add the product to the device as a new Bluetooth device. The product is discoverable by its serial number.
- ▶ When prompted, give the unique six-digit passkey.

## 6 Product status

There is a colored icon next to the products in the left pane. The icons show the status of products. When selecting a product from the left pane, more status information is given in the overview screen.

The icon colors are based on the NAMUR NE 107 standard and are a simplified representation of the instrument's diagnostic data.

Icon	Namur status	Signal status
✓	Normal operation	Valid output signal
⚠	Maintenance required	Output signal still valid.
?	Out of specification	Signal out of the specified range
⚠	Check function	Output signal temporary non-valid.
✖	Critical failure	Non-valid output signal

Tab. 2. Product status definitions

## 7 Using Settings and Actions

### Settings

In Settings (10-6), an overview is given of the available settings. The number of settings available may vary by product. When changing a setting, additional information is displayed on the screen.

### Actions

In Actions (10-7), an overview is given of the available actions. The number of actions available may vary by product. When performing an action, additional information is displayed on the screen.

- ▶ For more information about settings and actions, please refer to the accompanying manual of the product.

## 8 Using the Dashboard ( Windows PC)

The dashboard gives a real-time overview of the added products and their values. To add a product to the dashboard:

- ▶ Click on the Dashboard tile in the upper-left corner (11-1)
- ▶ Add an instrument by selecting a product from the drop-down list (11-2).

Repeat this step to add more instruments to the dashboard.

- ▶ Set the values per product to be displayed in the graph (11-3).

## 9 Demo mode

Demo mode can be used to walk through the Bronkhorst FlowSuite software. You can change settings and perform actions on several 'virtual' Bronkhorst® products.

- ▶ Goto the main menu in the upper-left corner to start Demo mode (10-1).

## 10 Display overview product settings

The interface shows a sidebar with a main menu (1), a dashboard button (2), a refresh button (3), and a list of connected products (4). The main panel displays the selected product 'FF-A500' (5) with its ID and flow rate. It includes a settings menu (6) and an actions menu (7). Real-time values (8) are shown for pressure inlet (6.592 bar(a)), pressure outlet (1.023 bar(a)), valve output (41.13%), and temperature (35.24 °C). A counter shows a totalizer of 2660 ln.

Fig. 2. Display overview product settings

1. Main menu
2. Show Dashboard
3. Refresh connected products
4. Connected products
5. Selected product information
6. Settings menu
7. Actions menu
8. Overview of real-time values

## 11 Display overview dashboard

The interface shows a sidebar with a main menu (1) and a dashboard button (1). The main panel displays a dashboard (2) with options to Measure, Add Instrument, and Empty Dashboard. It shows two instrument cards. The first card for 'EL-FLOW Pres FB' displays flow (21.81 ln/h), valve output (30.20%), and setpoint (21.89 ln/h) (4). The second card for 'FF-A500' displays flow (100.00 mln/min), pressure outlet (1.025 bar(a)), and temperature (29.02 °C). A 'Set Values' button (3) is visible on the first card.

Fig. 3. Display overview dashboard

1. Show Dashboard
2. Add instrument
3. Select values
4. Overview of real-time values



Service



Helpdesk



Downloads



Bronkhorst High-Tech B.V.  
Nijverheidsstraat 1a  
NL-7261 AK Ruurlo, The Netherlands

+31 573 45 88 00  
info@bronkhorst.com  
www.bronkhorst.com

