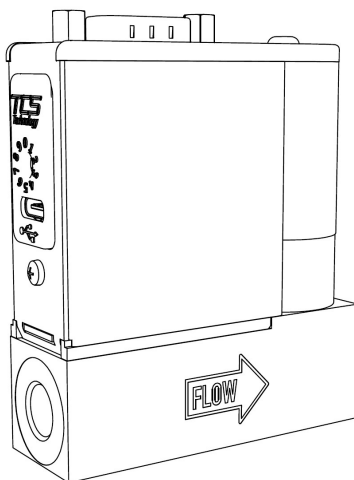


# FLEXI-FLOW™ *Compact*

Mass Flow and Pressure Controller for Gases



## Quick Start Guide

English

Doc. no.: 9.17.157 rev. D  
Date: 03-07-2023



**Bronkhorst®**

## Complete documentation

For a comprehensive instruction manual, hook-up diagrams and other documentation about the **FLEXI-FLOW™ Compact**, visit the Bronkhorst® product pages:



👉 [www.bronkhorst.com/flexi-flow](http://www.bronkhorst.com/flexi-flow) (or scan the QR code)

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## Intended use

The **FLEXI-FLOW™ Compact** has been developed to measure and/or control mass flow rates and pressures of clean, dry, non-corrosive and non-toxic gases in a fluid system.

The product is suited for general purpose indoor (dry) applications, like laboratories and machine enclosures, under the following constraints:

Ambient temperature	: 0 ... 50 °C
Operating pressure	: 17 bar (a) max.
Power supply	: 24 Vdc
Ingress protection	IP40

Responsibility for the use of the equipment regarding its intended use, suitability for the intended application, cleaning and compatibility of process media with the applied materials lies solely with the user.

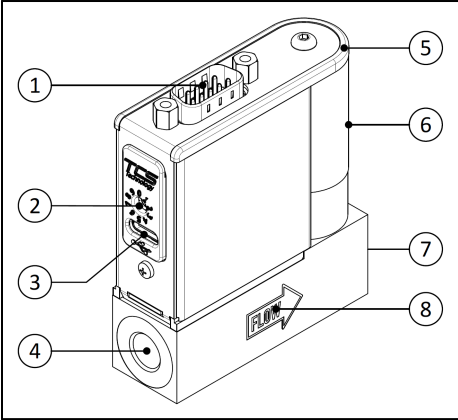
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## Safety notes



- *The product(s) described in this document may only be handled by qualified personnel who are familiar with combined fluid and electrical systems and who recognize the associated hazards (e.g. (high) fluid pressure, electric shock).*
- *The user is responsible for taking the necessary safety measures to prevent damage and/or injury while working with the equipment and process media (as described in the associated Material Safety Data Sheets).*
- *The equipment and its accessories must be used in accordance with their intended use, specifications and operating instructions.*
- *Opening the equipment is not allowed and will void warranty and cancel the manufacturer's liability.*
- *If the product is defective or otherwise does not meet your requirements, please contact your Bronkhorst representative for assistance or advice.*

# Product overview

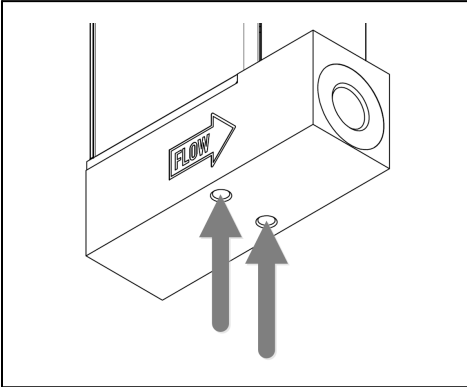


- 1. Power & signal connector (9-pin D-sub)
- 2. Address selection switch
- 3. Support interface (USB-C)
- 4. Fluid inlet
- 5. Status indication LED
- 6. Control valve
- 7. Fluid outlet
- 8. Flow direction

# Installation



- Verify that the power supply has sufficient capacity to power the instrument.
- Always turn off electrical power before connecting the instrument electrically.



1	RS-485 D0 (A/A')
2	Not connected
3	Not connected
4	0 Vs*
5	Not connected
6	RS-485 D1 (B/B')
7	+Us (24 Vdc)
8	0 Vs*
9	Shield
*	Internally connected

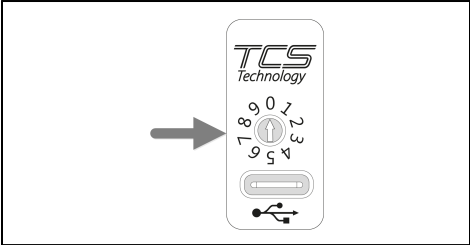
# Mounting

If applicable: install the process connections according to the manufacturer's instructions. Use the mounting holes to attach the instrument to a stable underground.

# Electrical connection

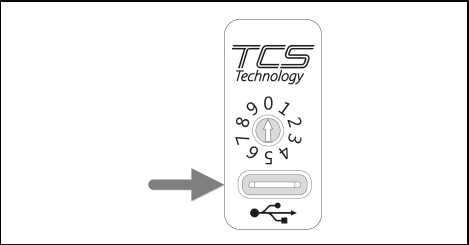
Verify the connector for correct pin lay-out. Connect the power connector.

# Configuration



## Address selection

0: digital address setting.  
1-9: manual address setting (*overrides the digital parameter*).



## Digital configuration

After installing Bronkhorst FlowSuite, establish connection through support interface (USB-C).  
Configure with Bronkhorst FlowSuite.

# Install Bronkhorst FlowSuite



Get it on  
**Microsoft Store**





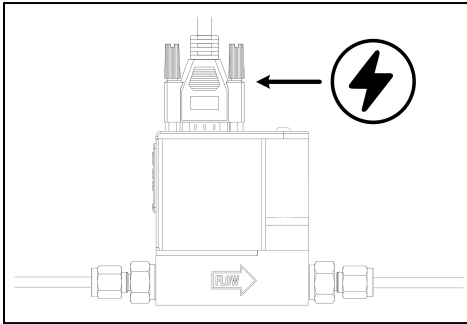
Download on the  
**App Store**



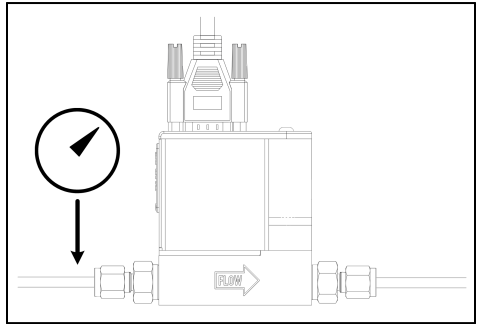
## Powering up



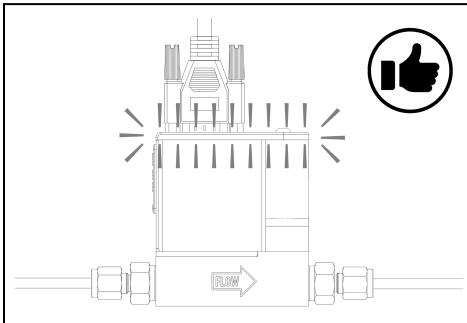
- Check leak tightness of fluid system before applying full operating pressure.
- For reliable operation, make sure fluid stream is uncontaminated.



1. Power up



2. Pressurize fluid system



3. Green indication LED: ready to use!

## Customer Care

For current information about Bronkhorst® and worldwide service addresses, please visit our website.

For after-sales questions, help and guidance, our Customer Care department can be contacted by e-mail:

✉ [aftersales@bronkhorst.com](mailto:aftersales@bronkhorst.com)

No matter the time zone, our experts within the Customer Care department are available to answer your request immediately or take appropriate further action. Our experts can be reached at:

☎ +31 859 02 18 66

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## Service and returns

For current information about Bronkhorst®, worldwide service addresses and return information, visit the Service & Support section on our website:

👉 [www.bronkhorst.com/service-support](http://www.bronkhorst.com/service-support) (or scan the QR code)



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## Disposal

If you are a customer within the European Union and wish to dispose of Bronkhorst® equipment bearing the symbol of a crossed out waste disposal bin, Bronkhorst can take care of proper dismantling, recycling and/or reuse. Just return the item(s) following the return instructions on our website; please mention in the covering letter that you are returning the product for disposal.



In countries outside the EU, disposal of electrical and electronic equipment (EEE) may be subject to local or national directives and/or legislation. If applicable, consult local or national authorities to learn how to handle EEE properly in your area.

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