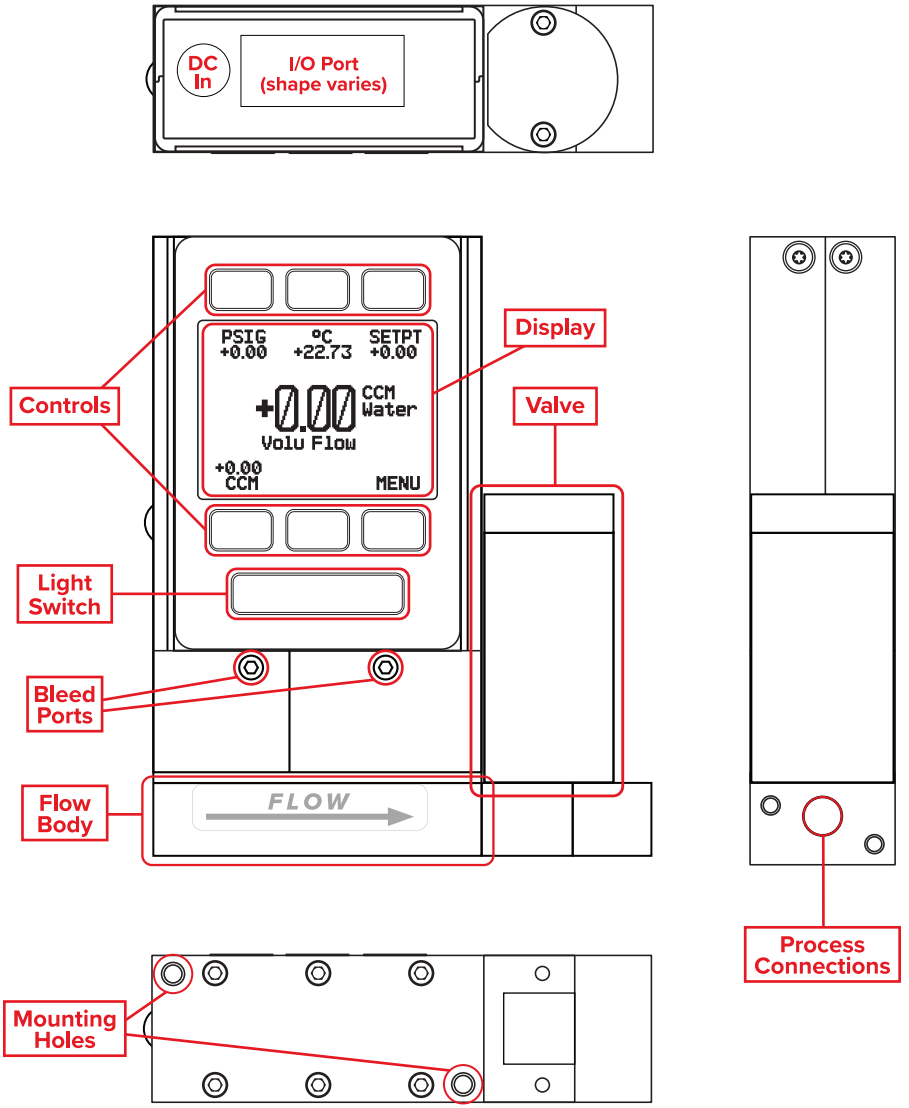
Liquid Flow Controller

Quick Start Guide

Models LC, LCR, LCS, LCRS

ALICAT SCIENTIFIC

A Halma company



Download the full manual: **Alicat.com/manuals**

Annual Calibration • Troubleshooting • Questions:

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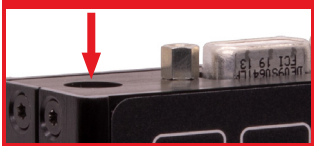
This box includes:

- **Alicat device**
- **NIST traceable calibration certificate**
- **Optional accessories** (cables, power adapters, filters)

Get Started:

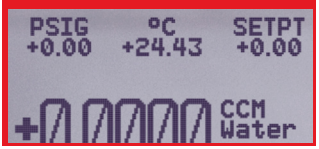
1



Power

The power supply input is on top. Most devices require 12–24 Vdc and 1 A. See *Power and Signal Connections* in the manual for details.

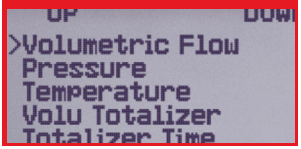
2



Tare

Before installing the device, give your controller a 0 setpoint for at least 2 seconds, activating the auto tare feature and zero out (tare) your unit.

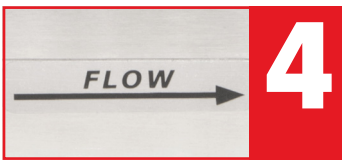
3



Units

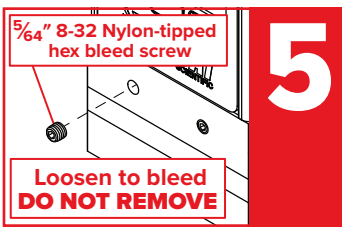
Ensure the proper units are selected. Press **MENU** → **SETUP** → **SENSOR** → **ENGINEERING UNITS**.

You're Ready to Connect:



4

Ensure the flow direction is the same as the flow arrow. For applications that continuously add air bubbles, the device may be mounted upside-down, except for large valve controllers (LCR-Series).



5

Connect the device to your process, and start the flow of water. To remove air bubbles:

(a) set the device to its maximum setpoint,
(b) gently loosen the upstream bleed port screw, but stop when pressure forces liquid to leak,
(c) tap the flow body.

Do not use bleed ports if the device is inverted.

Download the full manual: **Alicat.com/manuals**

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