Quickstart Guide

MS-6 Chemical Feed Flowmeter

STEP 1 Unpacking



The MS-6 Chemical Feed Flowmeter is shipped with the following contents:

- MS-6 Chemical Feed Flowmeter
- Meter Body Connection Fittings
- 3/16” Hex Key
- Flash Drive (Operating Manual and Blue-Central®)
- USB-A to USB-C connector
- Power Supply (user configurable)

The MS-6 was designed to be installed and operated by qualified personnel only. Do not attempt to install or operate the meter if you are unsure. Seek qualified assistance. **Please note that warranty coverage does not include damage due to misuse or improper installation.**

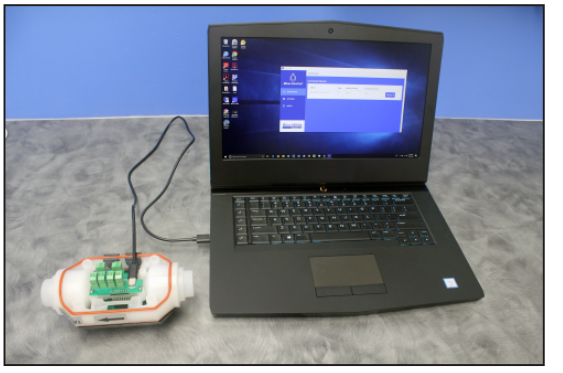
STEP 2 Install Blue-Central®



To configure the MS-6 meter, Blue-Central® must be installed and running on a desktop or laptop computer. To install Blue-Central®, power on the desktop or laptop computer and insert the provided USB Flash Drive. Doubleclick the .exe file to install and run the Blue-Central® Application.

Note: The provided USB Flash Drive also contains the MS-6 Operating Manual.

STEP 3 Connect

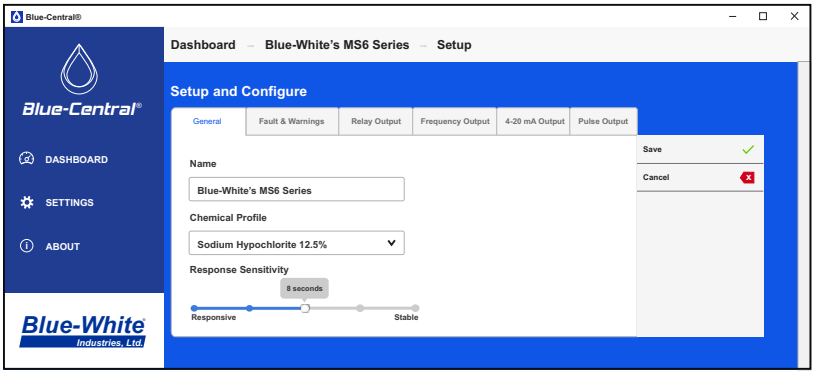


Connect the meter to the desktop or laptop computer. To do this, open the enclosure by removing the four screws with the provided 3/16” hex key. Next, connect the provided USB cable from the desktop or laptop computer to the USB-C connector on the meter’s circuit board. The meter will appear on the dashboard (it could take up to 30 seconds).

Note: A power supply is not needed to configure the meter.

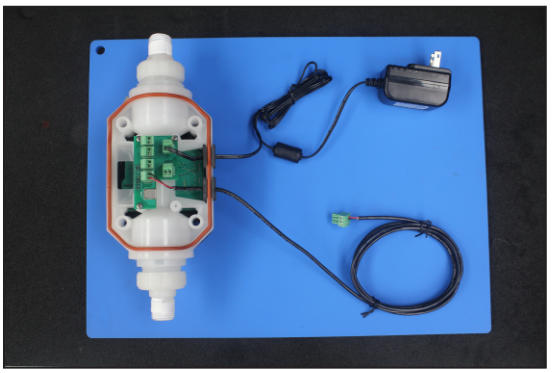
Note: Installing Blue-Central® will add a shortcut to the desktop screen.

STEP 4 Configure



It is suggested that prior to mounting the MS-6 Chemical Feed Flowmeter the user configures its operating parameters. The meter will work without performing a configuration, however the default settings may not be adequate for the required application. For assistance in configuring the meter, refer to the provided Operating Manual (page 7, section 6.0) located on the Flash Drive.

STEP 5 Wiring

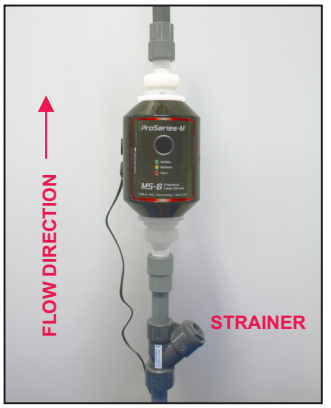


To access the wiring terminal, open the enclosure by removing the four screws with the provided 3/16" hex key. The meter must be powered by 5 volts DC. Wattage must not exceed 5 watts. 20-24 AWG (American wire gauge) shielded cable is recommended for signal output connections. The MS-6 wiring compartment is equipped with two communications cable liquid-tight cable gland grommets for cable diameters from .190 to .205 inches.

Note: The blank grommet plug should be used when the communications cable grommet is not required.

Refer to page 21, section 11 of the provided Operating Manual for further details.

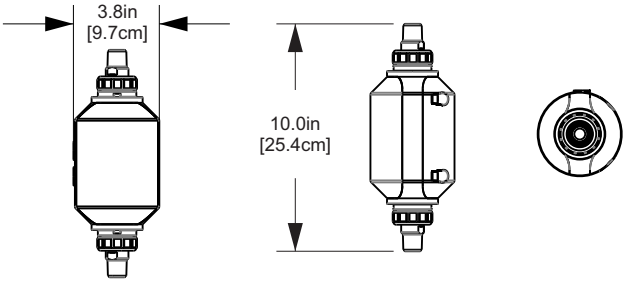
STEP 6 Mounting



For the MS-6 Chemical Feed Flowmeter to operate properly the pipe must be full, therefore it must be installed in a vertical position with fluid flowing in an upward direction.

To reduce large particles and bubbles that can reduce signal quality, it is recommended that a strainer is installed at the inlet of the meter as shown.

Product Dimensions:



Installation Requirements:

1. Mounting Direction can cause inaccuracies!

Meter must be installed in a vertical plane with fluid flowing in an upward direction to ensure accuracy.

2. Vibration and heavy loads will damage the meter!

Wall, floor and ceiling mounts and supports must be carefully aligned with the meter body and sturdy enough to support the plumbing and prevent vibration. Never allow the meter to support the weight of related piping.

3. High pressures and temperatures will damage the meter!

The maximum acceptable temperature and pressure is interdependent. The maximum acceptable working pressure is dependant on the actual fluid temperature. The maximum acceptable fluid temperature is dependant on the actual working pressure. For more information refer to the provided Operating Manual (see Temperature Vs. Pressure chart on page 3).

4. Strainer Recommended!

1/32" mesh strainer is recommended to be installed at the inlet of the meter. This will keep particles from entering the meter that could cause inaccurate readings.

