

# CONFIRMATION DEVICE BREAKDOWN

We offer several different confirmation devices. These devices are suggested to be used as redundant verification only. Choosing one is based solely on what your specific project needs are. There are three main categories of confirmation devices: flow, pressure, and volume. Flow confirmation devices are the most common, and usually the most basic. Pressure confirmation devices are mid-level, and volume confirmation devices are generally the most advanced. It is important to remember that flow, pressure, and volume though related, are all different.

## Flow Confirmation

### What is it?

In general, flow confirmation devices do just that, confirm if there is flow through the device. These devices mount between the dispenser and tooling.

We offer three different types of flow confirmation devices based on function and feedback signal. Each type has its advantages, and all are useful in different scenarios. Some of our devices just confirm flow – a simple yes or no. Others provide variable feedback that can be used to adjust the device.

All flow confirmation devices are meant to detect flow failure for critical dispense points.

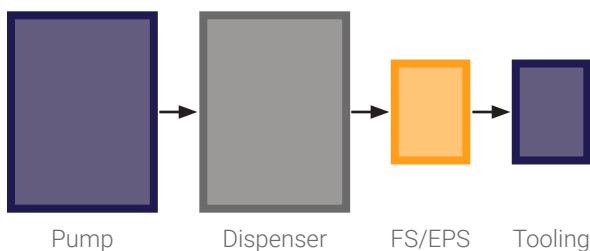
### When would you need it?

Flow confirmation devices come in handy in any situation where you want to double check that material is flowing.

### Examples

- Clogged nozzle in part nest
- Verification of air pressure
- Detection of small air bubbles

### System Example



## Feed Pressure Confirmation

### What is it?

These devices are designed to be mounted between supply (pump) and the dispenser with the purpose of confirming proper feed pressure.

We have pressure confirmation devices that provide digital, analog, discrete, PNP, or NPN feedback with up to 3,500 PSI. These can be set to a specific range, and outside it will trigger a signal to the system/controller if outside set range.

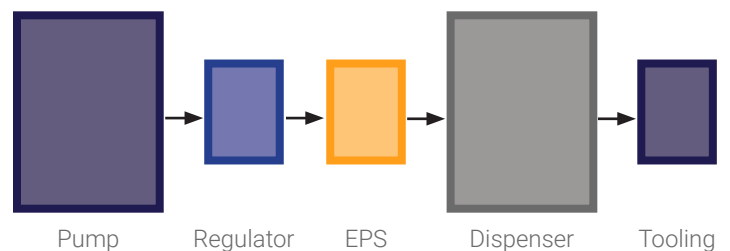
### When would you need it?

These devices are used to confirm correct feed pressure of a system.

### Examples

- Verification of material supply from pump/source
- Confirmation of correct regulator settings

### System Example



## Nozzle Pressure Confirmation

### What is it?

These devices are designed to be mounted between the dispenser and the tooling with the purpose of confirming proper pressure.

We have pressure confirmation devices that provide digital, analog, discrete, PNP, or NPN feedback with up to 3,500 PSI. These can be set to a specific range, and outside it will trigger a signal to the system/controller if outside set range.

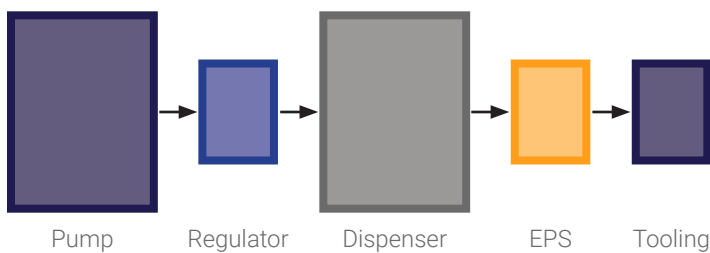
### When would you need it?

These devices are used to confirm proper pressure going to the nozzle of the system.

### Examples

- Clogged nozzle in part nest
- Detection of over-pressurization of nest parts

### System Example



## Volume Confirmation

### What is it?

Volume confirmation devices can measure the volume of material flowing through a device.

We have two specialized devices that confirms volume, VMFG and UFS. These devices can be placed anywhere in a system, though they are usually used between the dispenser and the tooling.

In addition to these devices, our AA dispensers are positive displacement dispenser with air removal and constant sensor positioning, which allows them to confirm volume as well.

### When would you need it?

Volume confirmation is important if you want to confirm how much material flowed through a specific device. They should be used as confirmation devices opposed to control devices in a system.

### Examples

- Redundant volume verification
- Continuous flow applications
- Measure flow before a dispenser block

### System Examples

