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## CVD | CENTURA P5200 CWFM 722 S

### 8 CH - Water Flow Control Monitors

#### Developed for P5200 CENTURA®

This is a tool device designed for CVD system, Centura P5200 - Amat®. This product monitors the flow processes about cooling Centura® Lid and Wall. Plug this device to your P5200 - Amat® and keep your production under control.

**Features:**

- Data logging,
- Trend graph,
- 20 sec. of delay,
- Custom set point.

\* Each technical and software specification can be configured as required.



The low-profile display features a 7" capacitive touch screen and a dual-core ARM processor running embedded Linux.

### Specifications

**Analog. Sig. Out:**  
- 1 + 5 V - Each Channel - Flow/Temp  
**Alarm Out:**  
- 1 SPDT each Channel.  
**Processor:**  
Freescale i.MX283 (454MHz, 32bit, ARM 9)

**Memory:** 2Gbit DDR2 SDRAM  
8GB SD card  
**Flow Range:**  
0,2 l/min + 4,5 l/max \* Customizable  
**Temperature Range:**  
70 ° max \* Customizable

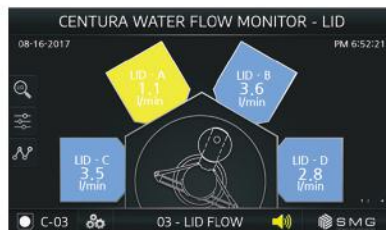
**Value transfer rate:**  
100Mbytes/second.  
USB Port x 4 load and real-time diagnostics.  
**Supply Power:**  
- 100 ÷ 250 Volt - 1A - 50/60 Hz.

### Check the flows and raise standards

CWFM 722 S is a device specifically designed for Centura®. This product monitors the flow processes about cooling Centura® lid and wall. (Pic.A)

When the value of one of the 8 chambers is out of range, CWFM 722 S will report an error, temporarily blocking Centura®, until the value will within range.

This intelligent device will keep production under control.



Pic. A/B: LID - A is out of range, represented in yellow.

### Features and Benefit goal

Will be easy configure the set point touching the set point configuration button.

Default setting it is set to a value in the range of 2.00 l/min + 4.00 l/min, but will be possible touching buttons, lowering or raising the level of 0.10 l/min.

Useful if you want to tighten the flow control to a specific range.

Will be also possible monitor trend of flows in a time span.

**BENEFITS:**

Lower the probability of generating production errors.

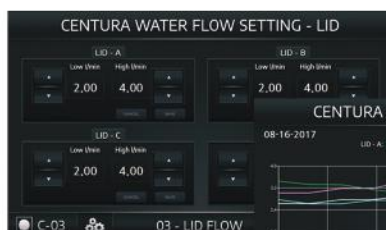
### Effective all in one solution

We will see how easy it is to know the logic of this device and therefore intervene promptly to avoid errors during production.

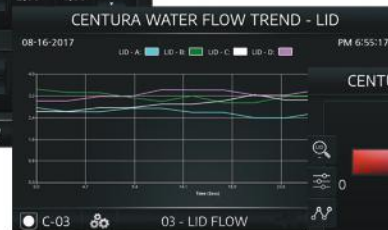
In this case (Pic. B), a basic dashboard of water flows, can also be used for both lid and wall controls. By default setting we will receive an error for values below 2l/min, indicated by the yellow error icons indicating a persistent error that exceeded 20 seconds, to not recognize the fluctuations.

If the value temporarily goes out of range that wall/lid of CWFM 722 S will get a red colors that will indicate this fluctuation, after 20 seconds it will turn yellow, to symbolize a persistent error, so it will be announced by an acoustic error signal.

\*it is possible to modify the project for different needs.



Centura LID Setting page.



Water flow trend Centura, all LID Values



Zoom in WALL - D, other values are under control.