

# Flow Meter (Water Flow Meter)

Checking the water flow rate mechanically

Invented in response to market demand.



Checking the water flow visually



Checking the water flow mechanically

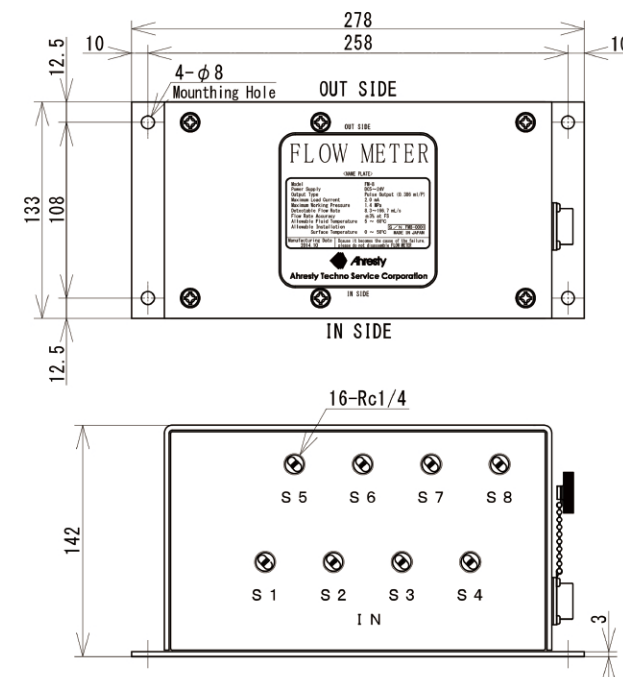


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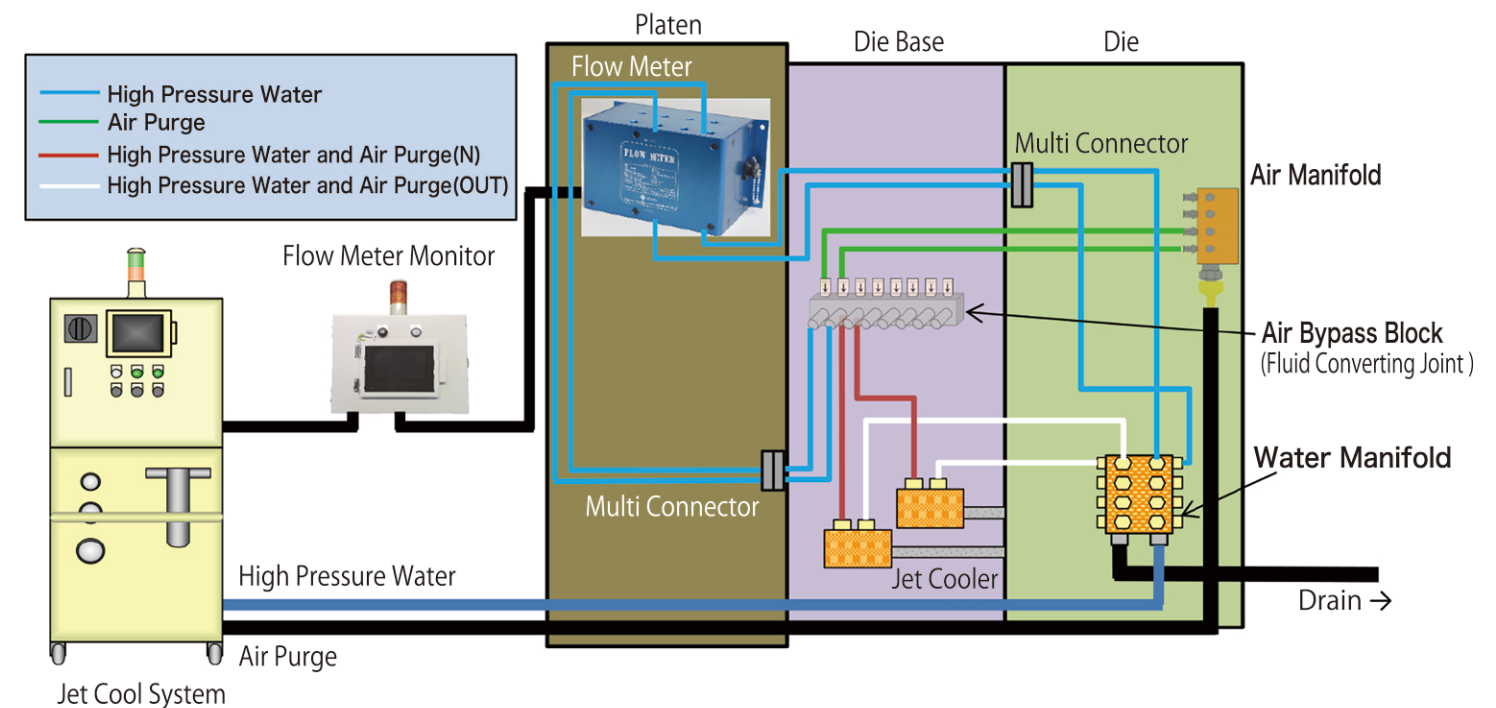
It enables you to measure the high pressure water flow rate of each Jet Cooler.



### Dimensions



### Reference for installation of Flow Meter



### Overview

- This is the device to monitor and judge the fluctuation of high pressure water flow rate which JECSS discharges.
- This is upper-grade model of Flow Watcher, however it makes it possible to comprehend fluctuation of water flow rate.
- The trend graph of water flow rate is automatically created and it makes it easier to see the trend of water flow rate.

### Function

- It shows 8 jet cooler's instant and total water flow rate on the one screen.
- Setting the upper and lower limit for each Jet Cooler's water flow rate is possible.
- The saving the setting data of the upper lower limit level for each die is also possible.
- You are able to set if you request it to give an abnormal signal when water flow rate deviates from the upper or lower limit level.
- You are able to shut down the die casting machine automatically when disorder was found, if you request.
- It creates trend graph automatically according to total water flow rate.
- Setting the timing when measurement starts for each Jet Cooler is possible.
- Saving the total water flow rate for each shot is possible.
- Retrieving parameter you set is possible from the die casting machine side, if you require.

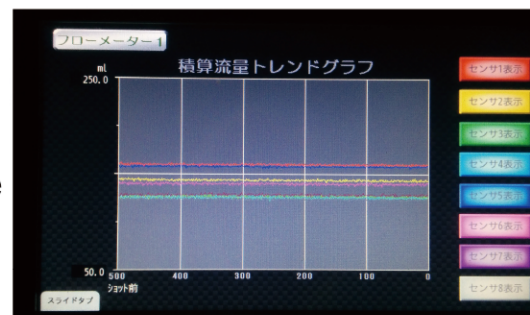
### Specifications of Flow Meter

Model	FM-8
Dimensions	278 × 133 × 142 mm
Weight	6.3kg
Dimensions for Mounting	See the picture on the left
Tube Coupler Connecting Port	Rc1/4
Measurement Method	KARMAN'S VORTEX TYPE
Output	Pulse Output (0.386 mL/P)
Measurement Fluid	Water (For JECSS)
Max. Working Pressure	1.4 MPa
Range of Measurement	8.3~166.7 mL/s
Measurement Accuracy	±3 % at FS
Fluid Temperature	5~60 °C
Temperature of installation surface	0~50 °C (No condensation, no freeze)
Dustproof	IP65 (equivalent)
Position of Installation	Water must come from under to above

## ● Explanation for Screen



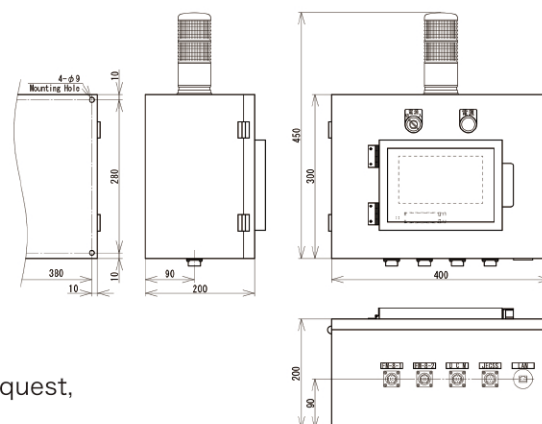
- Instant Water Flow Rate : Green
- Total Water Flow Rate Under Lower Limit : Red  
Beyond Upper Limit : Yellow  
Within Upper and Lower Limit : White



## ● Specifications of Flow Meter Monitor

Power Supply	AC100 ~ 240V 50/60Hz
Max. Power Consumption	30W
Detective Output Signal	DC 24V
Abnormal Output Signal	No Voltage a contact Signal Max. 5A
Number of Connection	16
Weight	13kg
Data Storage	SD Card or Network Connection (It is possible to store the data if you make FTP server on PC)

- Creating trend graph automatically
- Showing each Jet Cooler by different color
- Updating each shot automatically
- Showing each one Flow Meter's graph
- Showing from one Jet Cooler's water flow rate

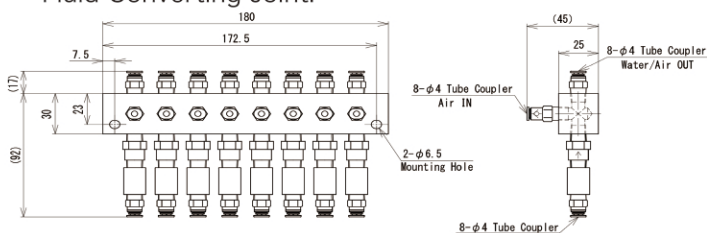


※Number of connection can be changeable depending on request, please ask us for detail.

## ● Related Products

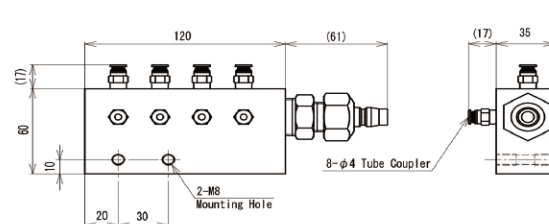
### ● Air Bypass Block

※ Air Bypass Block is required instead of Fluid Converting Joint.



### ● Air Manifold

※Air Manifold is required.



※Please use JC Manifold as Water Manifold.

※Flow Watcher cables are applicable for connection. Please see our catalog or ask us for a type of cable.

※Specifications are subject to change without notice.

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