

## **PLASTIC TUBE FLOW METER**

**AI.MPF200**



**CE**

## TECHNICAL DATA

**Service:** Air, gases, water, waste water and other liquid

**Material:** Case-SS316; Body-PVC, CPVC; Float-SS316

**Indication:** via magnetic coupling (no seals)

**Scales:** calibrated in l/h, m<sup>3</sup>/h, kg/h, %

**Flow rate:** water-0.4 l/h up to 1,000 l/h,

Air-21 NL/h up to 30,000 NL/h

**Connection types:** Thread BSP, NPT

**Max. working temperature:** PVC: 0~40°C; CPVC: 0~60°C

**Max. working pressure:** Standard 20 kg/cm<sup>2</sup>;

other options upon request

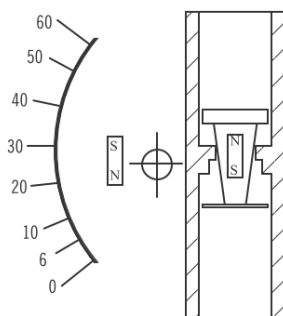
**Connection size:** 1/4" ~ 1/2" NPT or BSP

**Protection class:** IP66

**Accuracy:** ±2% FS (±1.6% FS option)

## INFORMATIONS

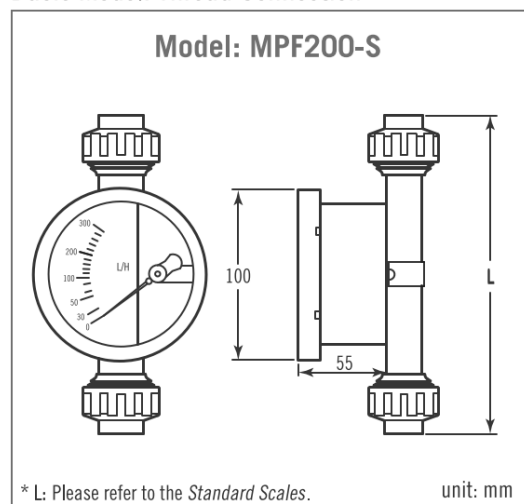
### Principle



### Dimensions

#### MPF200-S

Basic Model: Thread Connection



### Standard Scales

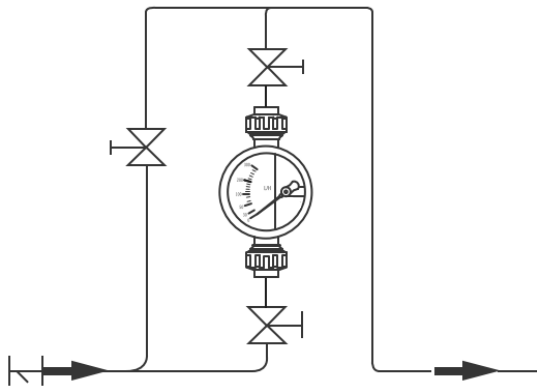
#### A. Float Material: SS316

| Tube    | L/H 20°C<br>Water | NL/H Air 0°C<br>1.013 bar | ΔPmm<br>Water | BSP/NPT | Thread Type<br>L (mm) | Accuracy<br>(NOTE 1.) |
|---------|-------------------|---------------------------|---------------|---------|-----------------------|-----------------------|
| MPF2001 | 0.4 ~ 4           | 21 ~ 210                  | 340           | 1/2"    | 158                   | ±6% F.S               |
| MPF2002 | 0.6 ~ 6           | 33~330                    | 340           | 1/2"    | 158                   | ±3% F.S               |
| MPF2003 | 1 ~ 10            | 48~480                    | 340           | 1/2"    | 158                   | ±2% F.S               |
| MPF2004 | 1.5 ~ 15          | 60~600                    | 340           | 1/2"    | 158                   | ±2% F.S               |
| MPF2005 | 2 ~ 20            | 72~720                    | 340           | 1/2"    | 158                   | ±2% F.S               |
| MPF2006 | 3 ~ 30            | 90~900                    | 340           | 1/2"    | 158                   | ±2% F.S               |
| MPF2007 | 5 ~ 50            | 120~1200                  | 340           | 1/2"    | 158                   | ±2% F.S               |
| MPF2008 | 6 ~ 60            | 180~1800                  | 340           | 1/2"    | 158                   | ±2% F.S               |
| MPF2009 | 10 ~ 100          | 300~3000                  | 340           | 1/2"    | 158                   | ±2% F.S               |
| MPF2010 | 15 ~ 150          | 500~5000                  | 340           | 1/2"    | 158                   | ±2% F.S               |
| MPF2011 | 25 ~ 250          | 750~7500                  | 340           | 1/2"    | 158                   | ±2% F.S               |
| MPF2012 | 40 ~ 400          | 1200~12000                | 340           | 1/2"    | 158                   | ±2% F.S               |
| MPF2013 | 60 ~ 600          | 1800~18000                | 340           | 1/2"    | 158                   | ±2% F.S               |
| MPF2014 | 75 ~ 750          | 2000~20000                | 340           | 1/2"    | 175                   | ±2% F.S               |
| MPF2015 | 100 ~ 1000        | 3000~30000                | 340           | 1/2"    | 175                   | ±2% F.S               |

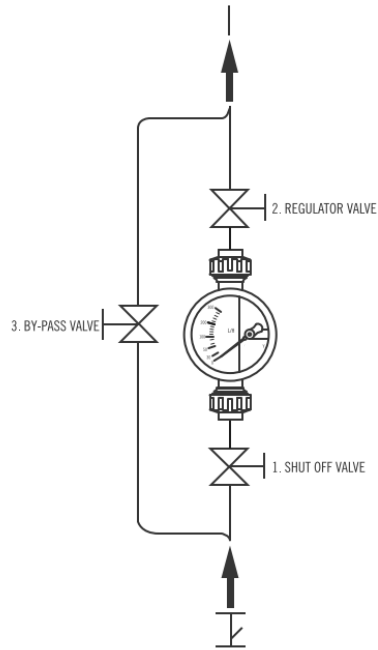
#### NOTE.

1. The accuracy ±6% F.S for tube MPF2001; The accuracy ±3% F.S for tube MPF2002. The accuracy ±2% F.S for tube MPF2003~MPF2015 and option ±1.6% F.S on request.
2. Performance Technical Data are effective with date of issue and are subject to change without prior notice.

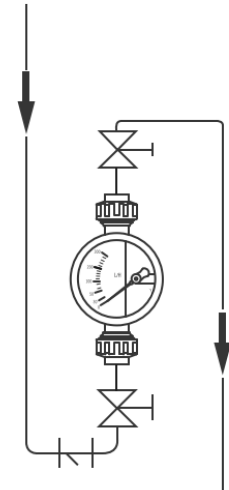
# INSTALLATION



**HORIZONTAL FLOW DIRECTION**



**UP FLOW DIRECTION**



**FALLING FLOW DIRECTION**

**SPECIAL NOTE**

No minimum length requirement for straight pipe.

# ORDERING INFORMATION

| MPF200 | Code | Connection                                          | Code | Connection size                                            |
|--------|------|-----------------------------------------------------|------|------------------------------------------------------------|
|        | S    | Thread connection                                   | 4B   | 1/4" BSP (Female)                                          |
|        |      | <b>Code</b> <b>Type</b>                             | 4N   | 1/4" NPT (Female)                                          |
|        | G    | Indicating only                                     | 2B   | 1/2" BSP (Female)                                          |
|        |      | <b>Code</b> <b>Alarm</b>                            | 2N   | 1/2" NPT (Female)                                          |
|        |      | 0 Without alarm switch                              |      | <b>Code</b> <b>Protection Class</b>                        |
|        |      | <b>Code</b> <b>Body material</b>                    |      | IP IP66                                                    |
|        |      | (A) PVC (B) CPVC                                    |      | <b>Code</b> <b>Fluid</b>                                   |
|        |      | <b>Code</b> <b>Float &amp; Wetted part material</b> |      | G Gas                                                      |
|        |      | A SS316                                             |      | L Liquid                                                   |
|        |      | <b>Code</b> <b>Connection rating</b>                |      | <b>Code</b> <b>Range</b>                                   |
|        |      | 0 Thread connection                                 |      | S Standard range                                           |
|        |      |                                                     |      | Please directly fill out the flow range in the order code. |
| MPF200 |      |                                                     | +    |                                                            |
|        |      |                                                     |      | Complete ordering code                                     |



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