

## Precautions

### Precaution in use:

The length of the sensing element of the bimetal temperature is about 70mm, so for an accurate measurement, the length of the element in the medium should be no less than 70mm. The 40 mm-long element is also available, please contact before ordering.

### Precaution in installation:

For convenient observation, you should pay attention to the following points when you screw the temperature protection thermowell, etc.:

- (1). The connector of our bimetal thermometer is a removable thread, you can place the head to a desired position to wrench thread then adjust the angle of dial to make it easier to read.
- (2). When the connector of the bimetal thermometer is tapered thread, you should warp the thread with PTFE, screw to the desired position before you screw the thermometer into the protective thermowell. Lastly, adjust the dial to the angle for easy reading.
- (3). Strong vibration, collisions, and impacts to the thermometer should be avoided in every occasion (in shipment, installation, or use).

### Replacing the core without stopping processes:

- (1). Loosen the nut connected with equipment (refer to 5 in DWG-1), screw out the gauge core and replace with a new one. Be careful to not impact the sensing element.
- (2). When flow medium velocity is high, or when there is a gyrating flow condition, an integral-rod-bored temperature well is needed to prevent the protective thermowell from being die cut or being twisted by vortex.
- (3). Caution: Do not move the gauge's head by force this will damage the gauge. If you want to change the position, loosen the removable connect screw (M27x2), position the head to the desired angle, and then tighten the screw.

## Flange Models

### Flange Model:

Please give clear indication of the flange model, nominal diameter DN, pressure PN, and material.

### National Code:

GB9115.6~19-88                      DN: 10~100                      PN: 0.25-16MPa  
GB9119.5~10-88 etc.                DN: 10~100                      PN: 0.25~25MPa

### Ministry of Chemical Industry Code:

HG20592~20635-97                DN: 10~100                      PN: 0.25~16Mpa

### Petrochemical Code:

SH3406-96 etc.

### Ministry of Mechanism Code:

JB/T 81-94 instead of JB81-59                      DN: 10~100    PN: 0.25~2.5Mpa  
JB/T 82.1~82.4-94 instead of JB82-59            DN: 10~100    PN: 0.25~20.00Mpa

### American Code:

ASME/ANSI B16.5                      DN: 1/2"~4"    PN: 150~1500lbs

### German Code:

DIN

### Japan Code:

JIS10~16K etc.