

Aspirator block for Oxygen sensor TB-II G



Feature

- *It is possible to use in the high temp. condition by using instrument air*
- *It is possible to select vent type or return type*
- *Simple structure, easy maintenance at the site*

Application

- *Metal industry each process*
- *Non-metal industry each process*
- *Ceramics furnace*
- *Incinerator furnace*
- *Other high temp. exhaust gas etc.*

What's Aspirator block

The aspirator block is a suction equipment of the sample gas. It combines with the sampling probe as the sample introduction pipe. At first TB-II G sensor should be screwed into the sensor port. It is installed in the short-pipe and the flange which was built in the measuring point and introduce air. Then the sample gas is sucked from the tip of probe. There are two ways to emit the sample gas. The one is to release to the atmosphere, the other is to return into the furnace. And it is possible to select them according to the facilities. It is possible to install at the level - the vertical angle. Please consider about the length of short-pipe so that the temperature of the sample gas is less than 350°C in the sensor installation point.

Specification

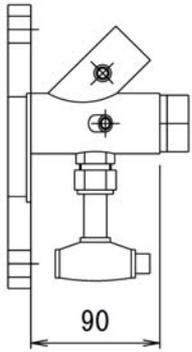
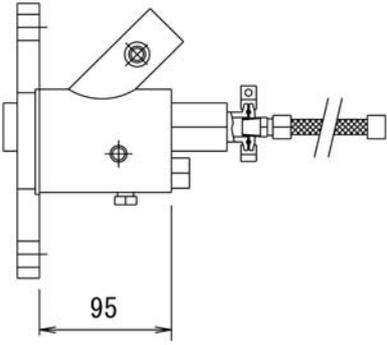
Material	Return type : SUS316L / Release to atmosphere type : SUS316
Installation	Return type : JIS5K65A~ / Release to atmosphere type : JIS5K40A~
Gas temp.	It follows to the specification of probe
Gas pressure	Return type : ± 5 kPa / Release to atmosphere type : -0.1 kPa~ 1 kPa
Connection	Rc1/4

※ For the improvement, the specification and design may be changed without prior notice.

Dimensions

TYPE	A B C AB-□-□□-□□-□□□□
A.Type	1: Vent type 2: Return type
B.Flange size	Ex. JIS5K65A:05-65
C.Heater for aspirator block	0 : No need 1 : Need (Only return type)

Dimensions

Vent type	Return type
	

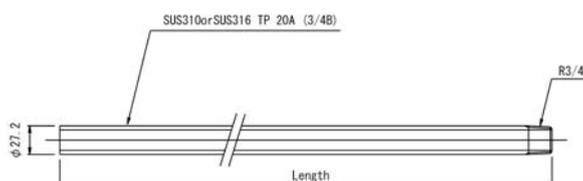
Sampling probe

The sampling probe is a gas introduction pipe to the aspirator block. It is fixed in the sample entrance of the aspirator block. Choose probe material according to the sample gas temperature condition.

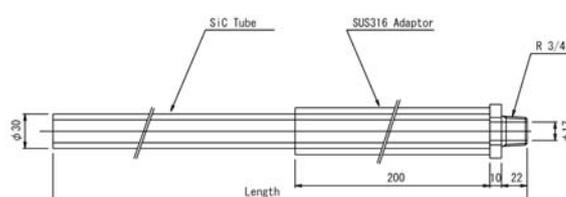
TYPE	A B SP-□□□-□□□□
A. Material	316 : SUS316 (700°Cmax) 310 : SUS310 (900°Cmax) SiC : AirtightnessSiC (1350°Cmax)
B. Length	Example. 700mm: 「0700」

Dimensions

SUS310or316 Probe



SiC Probe



※Please consult us if you want other specification besides the above.

Air / Calibration gas supply unit (ABC type)

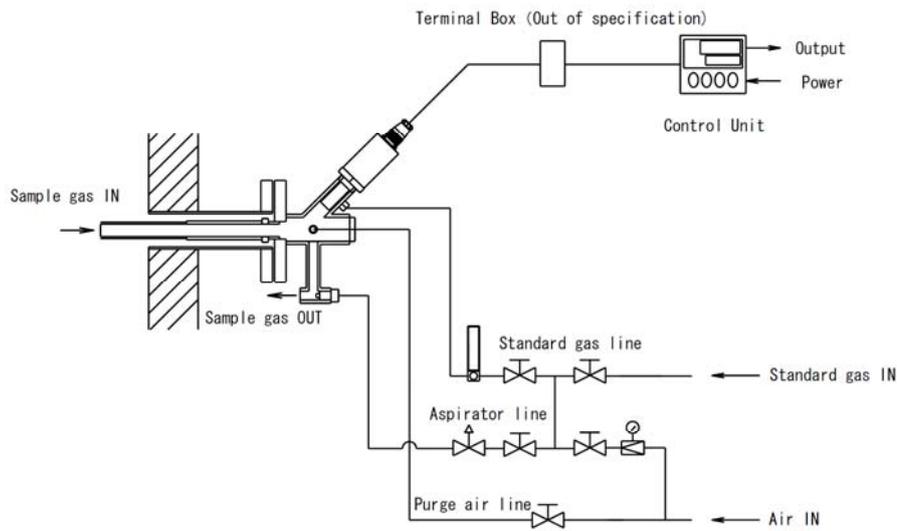
Air supply unit incorporates aspirator air, purge air, SPAN calibration air and standard gas compactly.
 2 types can be chosen from to the style which is convenient for into the existing box built-in or the indoor on the wall.
 Choose according to the installation site.

TYPE I	Purging automatically with the signal from the timer. (installed into the panel box)
TYPE II	Each valve is operated manually.

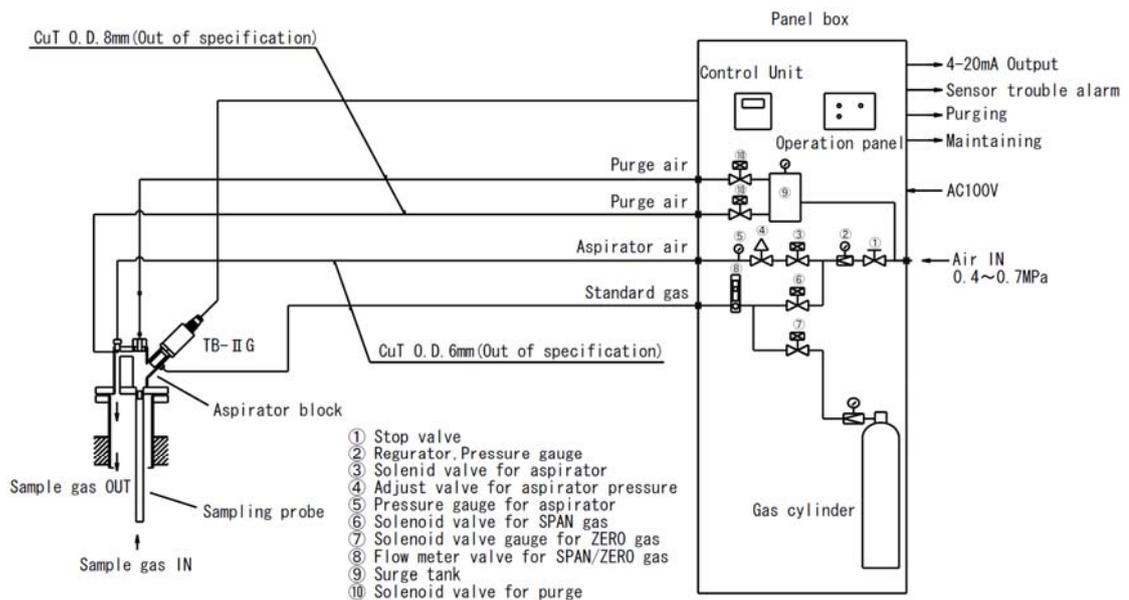
TYPE	<div style="text-align: center;">A B</div> ABC-2-□-□
A.Type	1. Automatic purge 2. Manual purge
B.Installation	1. Plate 2. Exclusive box

Flow diagram

Tubing example



Panel box type example



※The installation and the wiring and tubing constructions are out of specification.

※All connectings of tubing are Rc1/4.

Inquiry

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