



Component Eliminator Model: ZBBB6,7,8

TN3ZBBB6,7,8

Fuji Electric Co., Ltd.

International Sales Div.

Sales Group

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Preface

We are grateful for your purchase of Fuji Electric's Component Eliminator (ZBBB6,7,8).

- First read this instruction manual carefully until an adequate understanding is aquired, and then proceed to installation, operation and maintenance of the component eliminator. Wrong handling may cause an accident of injury.
- The specification of this component eliminator will be changed without prior notice for further product improvement.
- Modification of this component eliminator is strictly pohibited unless a written approval is obtained from the manufacturer. Fuji Electric will not bear any responsibility for a trouble caused by such a modification.
- This instruction manual shall be stored by the person who actually uses the component eliminator.
- After reading the manual, be sure to store it at a place easier to access.

Manufacturer : Fuji Electric Co., Ltd.
 Type : Described in Fuji Electric's company nameplate on main frame
 Product nationality : Japan

Request

- It is prohibited to transfer part or all of this manual without Fuji Electric's permission in written format.
- Description in this manual will changed without prior notice for further improvement.
- If you have any question about the contents of this manual, we advise you to inform our office of it.

CAUTION

First of all, read this "Caution on Safety" carefully, and then use the component eliminator in the correct way.

The cautionary description listed here contain important information about safety, so they should always be observed.

	Wrong handling may cause a dangerous situation, in which there is a risk of death or heavy injury.
	Wrong handling may invite a dangerous situation, in which there is a possibility of medium-level trouble or slight injury or only physical damage is predictable.

DANGER

- This unit is not a explosion-proof type. Do not use it in a place exposed to explosive gases to prevent explosion or fire hazard.
- When the piping is connected or cleaned, be sure to close the main valve to shut off calibration gas and sample gas to prevent gas leakage which may lead to poisoning, fire or explosion.

CAUTION

- This unit must be installed in a place that meets the installation requirements given in the instruction manual. Use of the unit in any other place may cause a risk of shock hazard, fire or malfunction.
- Installation, wiring and piping work should be performed by a specialist or your dealer. Improper installation will result in damage to the component eliminator, or eletric shocks, injury, etc.
- Gas analyzer should be turned OFF when wiring, maintenance or inspection is carried out. This is to prevent electric shock and injury.
- During installation, make sure that the inside of the unit is free from cable chips and other foreign objects to prevent fire, trouble or malfunction.
- Before starting work, take off wrist watch and other metallic objects to ensure proper performance and to prevent shock hazards or gas leakage.
- For piping work, be sure to use pipes and joints as specified in the instruction manual to prevent gas leaks.
- Use replacement parts specified by Fuji to ensure proper performance and to prevent electric shocks or gas leaks.
- If any trouble cannot be located upon referring to the instruction manual, be sure to ask the sales agent or our serviceman to correct it. Disassembling the instrument carelessly may cause an injury.
- Dispose of eliminated faulty parts and the like as incombustible objects.

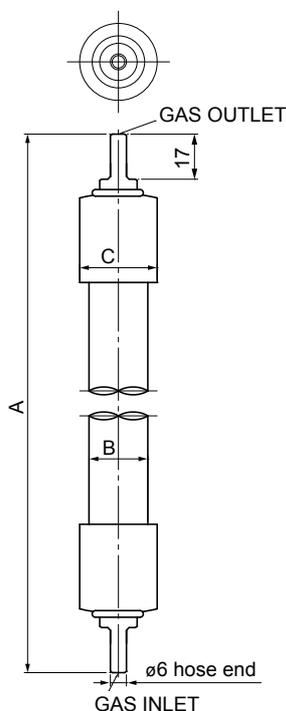
1. OVERVIEW

Component Eliminator can eliminate only measurable component in the sample gas and use the sample gas as a reference gas.

2. SPECIFICATIONS

- (1) **Filter material**
- 1) ZBBB6: Alumina, replacement : disable, replace whole unit once every year 0.5ppmeach for NO_x + SO₂.
 - 2) ZBBB7: Alumina, replacement : disable, replace whole unit once every 6 month in case of 10ppm or lower for NO_x + SO₂ Don't include other acidic gas.
 - 3) ZBBB8: soda lime, replacement : disable, replace whole unit once every year in case of 0.5ppm CO₂
- (2) **flow rate**
Approx. 1.0L/min
- (3) **Main materials of gas-contacting parts**
PVC (transparent), chloroprene rubber (O-ring)
- (4) **Operating temperature**
0 ~ 45°C
- (5) **Pressure resistance**
Max. 30kPa
- (6) **Connection port**
Vertical installation on wall face
- (7) **Mass**
- 1) ZBBB6 : Approx. 200g
 - 2) ZBBB7 : Approx. 800g
 - 3) ZBBB8 : Approx. 200g

3. OUTLINE (Unit : mm)



	A	B	C	Mass
ZBBB6	219±10	ø38	ø46	0.2kg
ZBBB7	384±10	ø48	ø57	0.8kg
ZBBB8	364±10	ø22	ø29	0.2kg

**component eliminator
(ZBBB6, 7, 8)**

Fig. 1 OUTLINE

4. Installation, Piping

⚠ CAUTION

While piping, Wear protective gloves due to not touch the catalyst in direct and wear protective masks due to not absorb catalytic powder.

- (1) For the gas inlet and gas outlet piping, use a soft tube with inside diameter of 5mm.
- (2) The main frame should be installed vertically to the ground. Avoid installing it obliquely or laying it on its side.
- (3) Pipes should be connected so that the bottom port of converter block becomes an inlet and the top port becomes an outlet. (Refer to "3. OUTLINE")

5. Scope of Delivery

Main unit.....1 unit
Instruction Manual1 copy