

Guidelines on Gas Geyser Installation

GUIDELINES ON GAS GEYSER INSTALLATION

Model of Gas Geyser:

Suitable brand conforming to IS15558 or from IGL's authorized gas geyser dealers.

The geyser must have the following safety features:

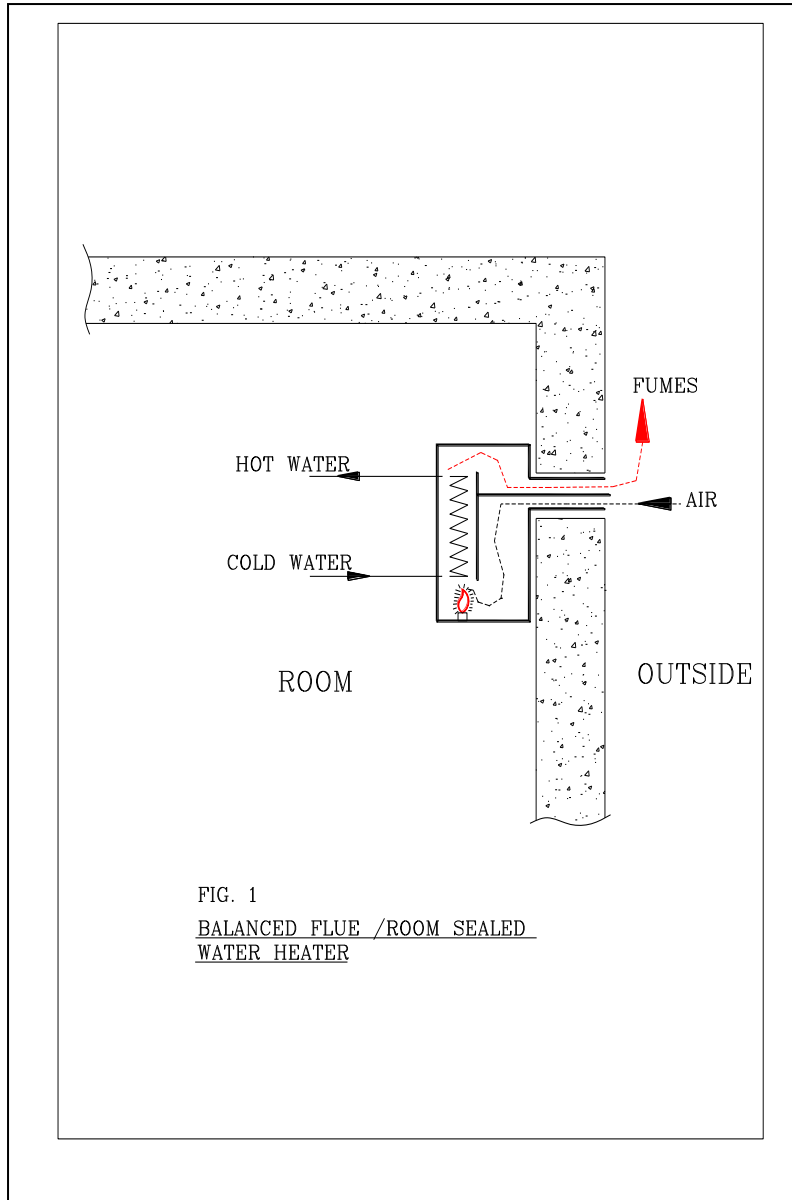
- a. Flame Failure Device**
- b. Over-heat Protection Device**
- c. Gas & Water stability device**
- d. Oxygen depletion sensor**
- e. Incomplete combustion safety device**

FLUE

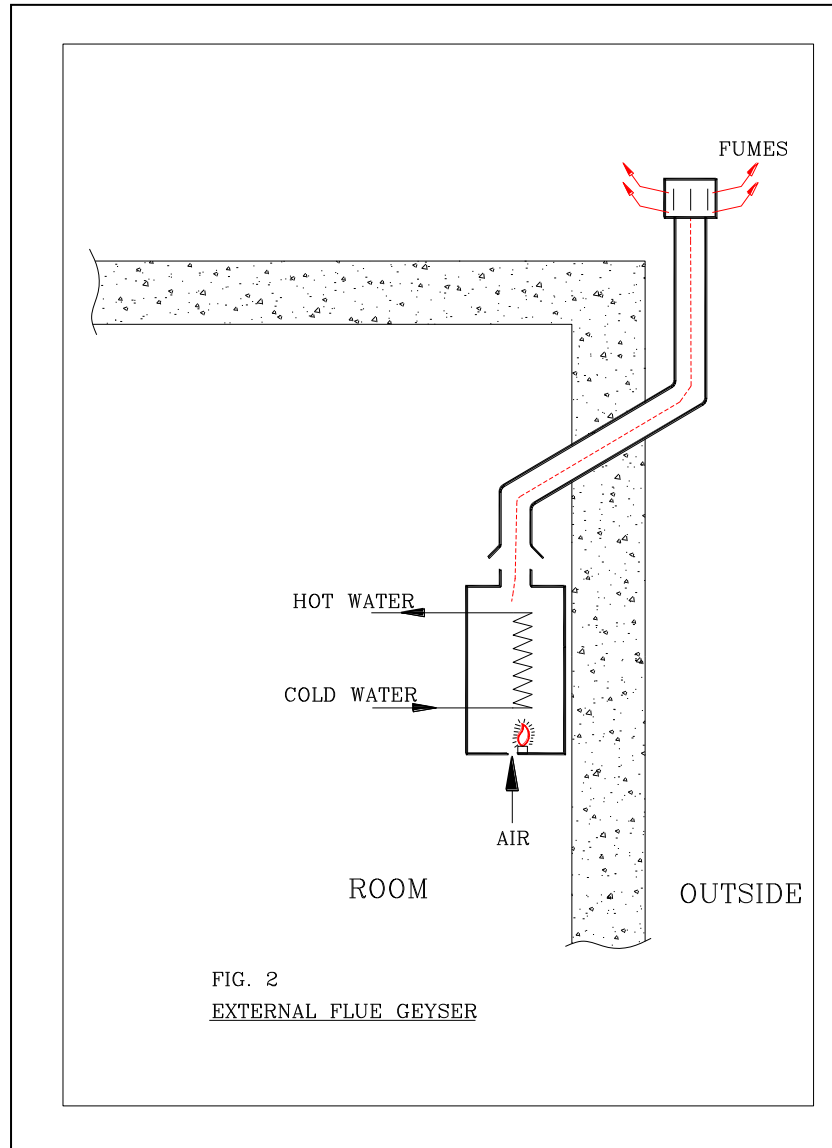
Geyser / water heaters can be supplied with the following types of flue :-

- 1) **Balanced Flue** : This is where both the air for combustion and products of combustion / fumes are taken from and extracted to outside of the building

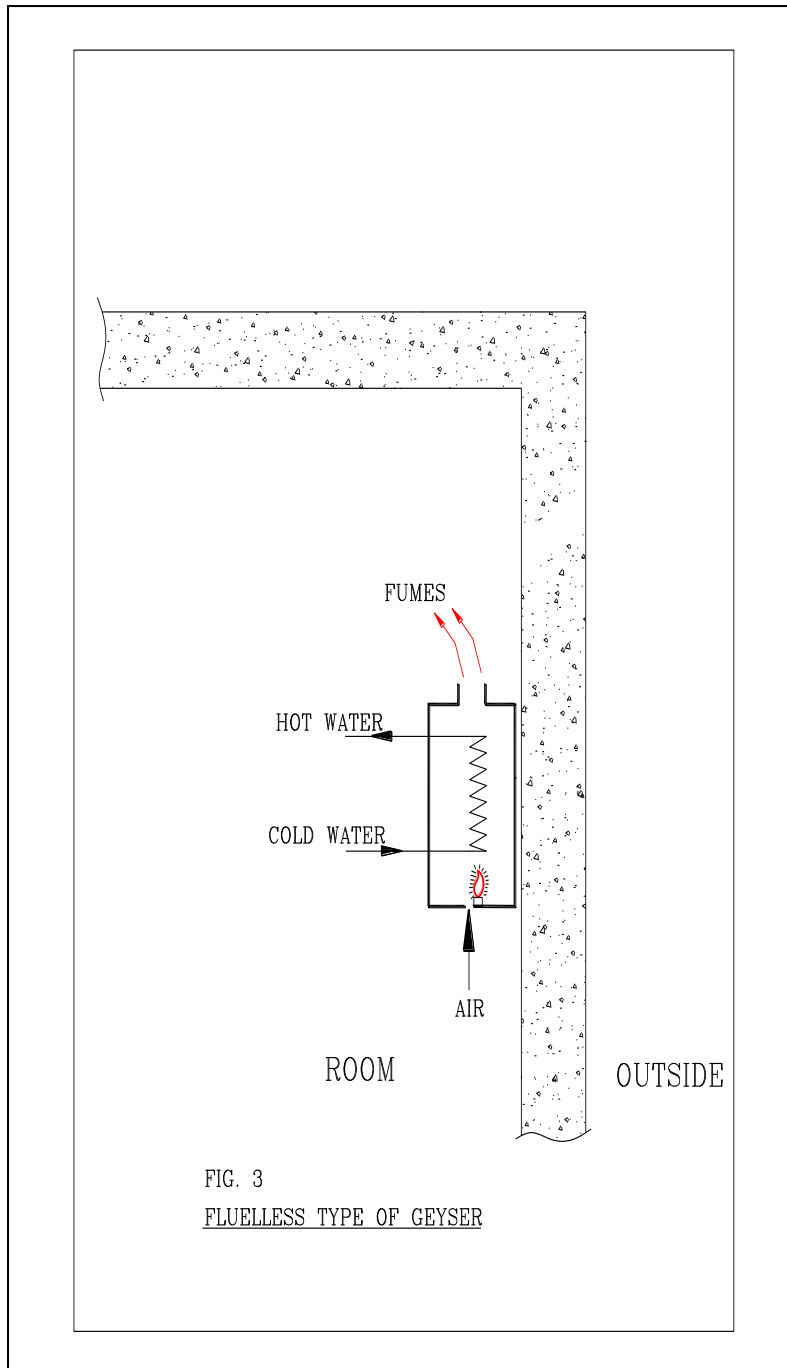
The Balanced Flue or Room sealed type geyser/ water heater are much safer and are the preferred type. They can be installed on an external wall in any room of a property, provided a permanent ventilation of minimum size 45 x 45 sq. cm opening into an area open to atmosphere is available. If it is to be installed in a bathroom, bathroom size must be minimum 1.05 x 1.05 x 2.10 cu. m.



- 2) **External Flue** : This is where the air for combustion is taken from inside the room and the products of combustion / fumes are discharged to outside of the building. The geyser will have a flue pipe fitted to the flue outlet socket of the geyser that will take the fumes to outside the building. They can be installed on an external wall in any room of a property, provided a permanent ventilation of minimum size 45 x 45 sq. cm opening into an area open to atmosphere is available. If it is to be installed in a bathroom, bathroom size must be minimum 1.05 x 1.05 x 2.10 cu. m.



- 3) **Flueless:** This is where both the air for combustion and products of combustion / fumes are taken and discharged into the room.



Flueless Gas geysers Location:

Flueless Gas Geysers are allowed to be installed only in areas like:

- i. Kitchens, Living rooms, Utility Rooms, Halls and Passageways if flueing and ventilation can be achieved as per the following :-
 - Permanent ventilation of minimum size 45 x 45 sq. cm opening into an area open to atmosphere is available.
 - Openable window or equivalent also required.

- ii. **Bathrooms, Bedrooms & bed-sitting rooms are not suitable for flueless geyser**
- iii. Gas Geyser should be installed at such a height that it can be switched off easily.
- iv. No Gas Geyser is permitted to be concealed.
- v. Geysers can be installed outside the property on a patio/balcony provided it is protected from the weather.