

CHANGEOVER PROCEDURE FROM FBG TO WBG MODE:

- Remove bunker from the hopper top, as the same is not needed for woody biomass.
- Remove all rice husk, rice char etc. from the gasifier hopper and reactor.
- Make charcoal bed in the reactor as per the instructions given for WBG operation.
- Fit the combustion cone, taking due care of asbestos rope sealing.
- Fit air nozzles in the hopper and place the hopper on reactor-combustion cone assembly, taking care of asbestos rope seal.
- Duly tighten all nut-bolts on the flanges.
- Fill charcoal upto nozzle tips and then fill the rest of the hopper with recommended biomass having moisture content less than 20%.
- Shift vibrator weights suitable to WBG mode.
- Remove rice char from coarse filter and fill it recommended wood size, as per instructions given in manual.
- Fill fresh filter media in Fine Filters, particularly in FF-1.
- Turn rotor switch from **FBG to WBG mode** in Gasifier Control Panel.
- Put active filter (FF-1) rotor motor switches in **AUTO** mode.

Now the system is ready for operation in WBG mode..

CHANGEOVER PROCEDURE FROM WBG TO FBG MODE:

- Remove wood from hopper by lifting the hopper and placing it on ground separately.
- Remove combustion cone from reactor.
- Remove charcoal bed from reactor.
- Remove all air nozzles from hopper and close the nozzles using given blind flanges and packings.
- Fill the reactor with rice char.
- Refit the hopper on reactor using proper nut-bolts.
- Check the asbestos rope position and sealing before hopper-reactor fitting.
- Shift vibrator weights suit able in FBG mode.
- Remove wood pieces from coarse filter and fill rice husk char upto the level marked.
- Fill fresh fine filter media in all filters – particularly in FF-1.
- Turn rotor switch from **WBG to FBG mode** in Gasifier Control Panel.
- Put active filter (FF₁) rotor motor switch in maintenance mode.
- Complete charring process as per the instructions in the manual.
- Place bunker on top of hopper for feeding of rice husk.

Now the system is ready for operation in FBG mode.