

## ABSTRACT OF THE DISCLOSURE

The present invention provides an improved fryer apparatus including a small size pulse combustor and an additional labor-saved function such as a filtering system or a lift system. The pulse combustor of the invention does not include a check valve or flapper valve for preventing back flow of combustion exhaust in an air supply system. This valve-free structure of the pulse combustor allows sufficient noise reduction without any silence or muffler and makes a free space for the filtering system or the lift system.

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