



# GBM-D LNG FUEL BURNER

## Marine Burner

### Multi-Fuel Marine Burner

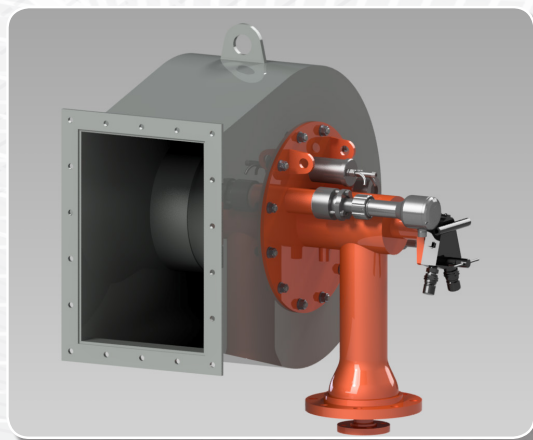
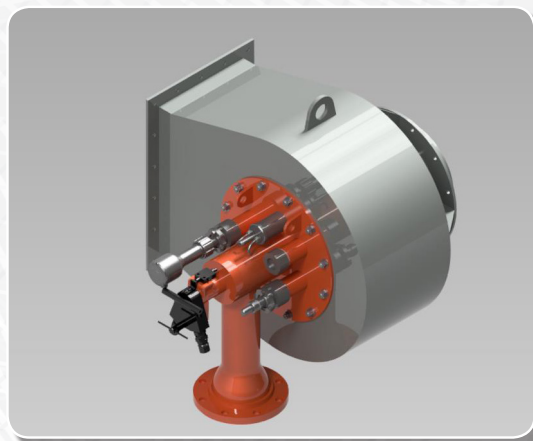
Zeeco's GBM-D LNG Marine Burner is specifically developed to help avoid Sulphur emissions by firing auxiliary boilers with LNG. Designed primarily for the new generation of LNG powered vessels operating within Emission Control Areas (ECAs), the GBM-D LNG Marine Burner is based on the well established low NOx Zeeco GB Burner and can operate on oil (MDO or HFO) and/or gas (BOG or vaporized LNG).

### Design Features

The GBM-D LNG Marine Burner offers a unique center gas connection that is designed to incorporate the connection for the double-walled gas pipe, which is a requirement when bringing gas into a machinery space. The burner is also fitted with a diesel pilot for reliable ignition and dual ProFlame™ self-checking flame scanners. All gas valves and instrumentation associated with the burner are installed within the ventilated Gas Valve Enclosure (GVE), which is installed in the engine room adjacent to the boiler.

#### GBM-D LNG Marine Burner Design Features Include:

- Single, dual, or combination fuel burner
- Up to 10:1 turndown
- Low NOx emissions
- Pipe-in-pipe gas connection to meet class requirements
- Zeeco's ProFlame self-checking flame scanner/s
- Zeeco's diesel oil pilot for oil/dual fuel burners
- Low maintenance
- Suits boilers from 5T/h upwards
- Supplied with burner windbox or can fit into integral boiler windbox







BURNERS



FLARES



INCINERATORS

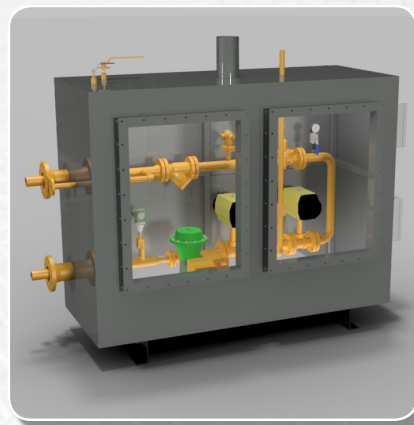


PARTS & SERVICE

## Gas Valve Enclosure (GVE)

The gas valve enclosure contains all safety shut-off valves, flow control valves, and instruments associated with the control, isolation, and purging of the gas supply to the GBM-D LNG Marine Burner. It incorporates the pipe-in-pipe connection for the gas supply and gas connection to the burner as well as the connection to the extraction fan system. For operational monitoring, the GVE is fitted with viewing windows in panels that can be easily removed for maintenance.

- External isolation handles
- Fitted with gas detectors
- Incorporates connections with the extraction fan system
- Fitted with viewing windows - easily removed for access/maintenance
- GVE mounted junction boxes for simple interfacing
- Includes facility for Nitrogen purging
- Complete with double block and vent safety shut-off valves, flow control valve, and required instrumentation.



## The Zeeco Difference.

Zeeco is a privately held company with thousands of installations to our name. With nearly 40 years of industry experience, we understand the true meaning of partnership and tackle the most challenging projects. With more than 20 global locations, comprehensive aftermarket service and support, and a team of engineers dedicated to your mission, Zeeco is the natural choice to improve operations and reduce your carbon footprint. Call or email us today to learn more about our full line of combustion products for your marine and offshore applications.

ZEECO® combustion and environmental solutions are designed and manufactured to comply with applicable local and international standards as defined by our customers.



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CERTIFICATION APPLIES TO ZEECO HEADQUARTERS ONLY.

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