

A Fuel Gas Injection System, Method of Installing and Operating the Same

Abstract

A fuel gas injection system for an engine, a method of installing a fuel gas injection system for an engine, and a method of operating a fuel gas injection system for an engine are provided. The fuel gas injection system includes a valve block, a plurality of fuel gas injectors mounted on the valve block, a fuel gas supply line connected to each of the plurality of fuel gas injectors, and a controller communicatively coupled to the plurality of fuel gas injectors. The supply line includes a first inner tube and a first outer tube disposed around the first inner tube such that a first annular space is provided therebetween. The first inner tube is configured to carry a fuel gas and the first annular space is configured to be continuously ventilated. Each of the plurality of fuel gas injectors is selectively operable by the controller to control a quantity of the fuel gas injected into the engine.

Fig. 1