

## 1. Introduction

Concern about the global environment \_ in a natural gas c

cylinder must have sufficient strength to withstand the pressure of natural gas and be light-weight for reducing the fuel consumption of the car. Accordingly, the cylinder should be made of a seamless steel pipe having high strength (approximately 990 MPa) and thin pipe wall. To meet these requirements, the seamless steel pipe section of JFE Steel has developed a technology to manufacture extra-thin wall thickness steel pipes.

This report describes the outline and features of the steel pipe.

## 2. Features of the Steel Pipe for High Pressure Gas Cylinder, Manufactured by JFE Steel

The steel pipe for high pressure gas cylinders has the following features.

(1) **Figure 2** )

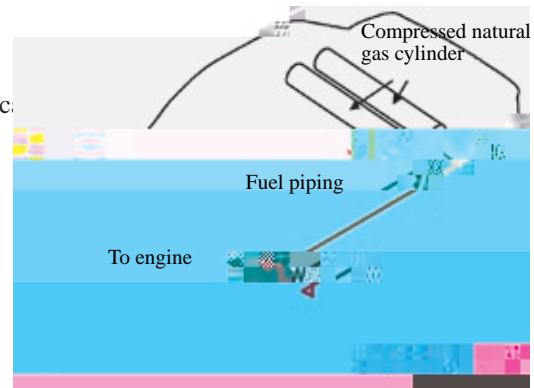


Fig.1 Example of fuel supply system of natural gas in car

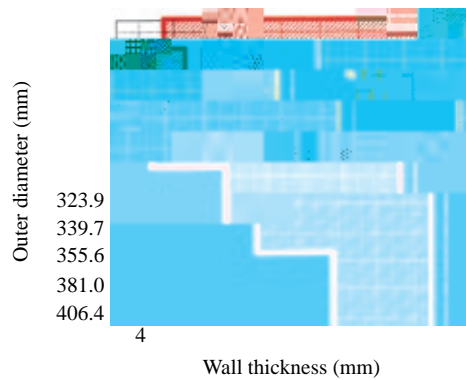


Fig.2 Size availability with medium-diameter seamless steel pipe

such applications.

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