

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**)

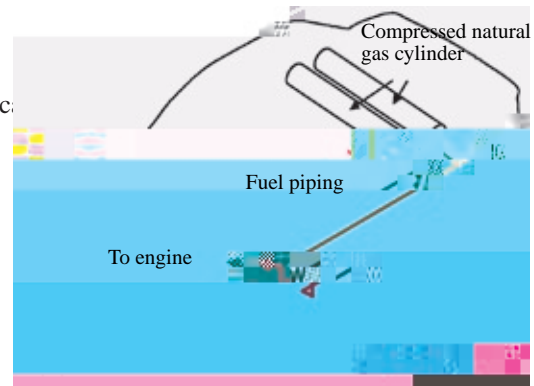


Fig.1 Example of fuel supply system of natural gas in car

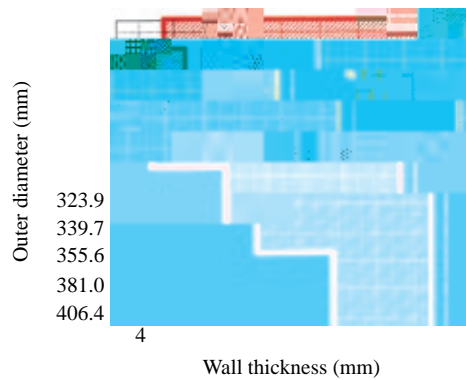


Fig.2 Size availability with medium-diameter seamless steel pipe

such applications.

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