

# Test Report

**Korea Gas Safety Corporation**  
 Energy Safety Empirical Research Center  
 1467-51, Songhakjucheon-ro, Jucheon-myeon, Yeongwol-gun,  
 Gangwon-do, Republic of Korea  
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Certificate No. :  
 KGSE-실증-20-010  
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## 1. Client

- Name : Parker Korea Co. Ltd.
- Address : 23, Jangangongdan 1-gil, Jangan-myeon, Hwaseong-si, Gyeonggi-do, Korea

## 2. Test sample/Product name : Valves for Hydrogen fuelling stations

Item(Type)	Model	Size <sup>1)</sup>	Hydrogen service level <sup>2)</sup>	Sample No.
Manual Valve (Needle Valve)	20SM4071-HYG	6.35 mm	H70	1

1) 1 inch is equivalent to 25.4 mm

2) Maximum allowable working pressure specified by manufacture : 96.3 MPa

## 3. Test period : 2020.02.06. ~ 2020.04.21.

## 4. Test method used : KS B ISO 19880-3 : 2018

- 10.2.2 Hydrogen gas pressure cycle test,
- 10.2.3 External leakage test, 10.2.4 Internal leakage test,
- 10.2.5 Worst case fault pressure cycle test,
- 10.2.6 Proof pressure test, 10.2.7 Hydrostatic strength test

## 5. Location of Test : Permanent Test Lab On Site Testing

(Address : 1467-51, Songhakjucheon-ro, Jucheon-myeon, Yeongwol-gun, Gangwon-do, Korea)

## 6. Test Results

- For further details, please refer to following pages

This test report is specific to a sample item provided by client

\* marked test result is beyond the range of the accreditation of testing institution

Affirmation	Tested by	Technical Manager
	Name : Giyeok Ha <i>(Signature)</i>	Name : Donghyeon Baek <i>(Signature)</i>

The above test report is the accredited test results by Korea Laboratory Accreditation Scheme, which signed the ILAC-MRA.

May 13. 2020

KOLAS(Korea Laboratory Accreditation Scheme) Accreditation

**KOREA GAS SAFETY CORPORATION**  
**ENERGY SAFETY EMPIRICAL RESEARCH CENTER**

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