



Inspection Certificate

Project: **API 6A/17D Qualification of Parker Subsea Needle Valve (SNV Series)**

Client: **Parker Hannifin Corporation
8325 Hessinger Drive
Erie PA 16509 USA**

Office: **Houston TX**

Client's Order Number: **Signed Request for Services 128594 dated 12/23/2019;
Supplemental dated 03/23/2020**

Date: **17 July 2020**

Order Status: **Item Complete**

Inspection Dates

First: **03 February 2020**

Final: **17 July 2020**

This certificate is issued to **Parker Hannifin Corporation 8325 Hessinger Drive Erie PA 16509 USA**, to certify that the undersigned surveyor to Lloyd's Register, at their request, did attend their works, on and between the aforementioned dates for the purpose of witnessing qualification tests on subsea valves as detailed below:

Description	: 1/2" (12mm bore) Subsea Needle Valve, Non-Rising, Non Rotating Stem (SNV Series)
Drawing	: SNV8S10M61-T Rev A and associated drawings
Maximum Allowable Working Pressure	: 10,000 psi (689 Bar)
Maximum Allowable External Working Pressure:	4,500 psi (310 Bar)
Temperature Range	: - 20°F/ +250°F (- 29°C/121°C) - API 6A (Class P/V)
Test Specifications:	: API 6A (PR2F) 21 st Edition November 2018, Errata 1 April 2019, API 17D (Section 5.1.7 Table 3 - Including Hyperbaric from Annex L) 2 nd Edition May 2011, Addendum 1 September 2015, Addendum 2 September 2019, Errata 7 October 2015
Test Procedure Ref.	: SSNVTP001 Rev 3

Scope of Inspection:

1. Witnessed test sequence as per above procedure on the described valve.
2. Verified calibration status of all the test instruments, reviewed calibration certificates.
3. On completion, reviewed and signed off the test report.

Conclusion:

In the opinion of the undersigned, the 1/2" (12mm bore) Subsea Needle Valve, Non-Rising, Non Rotating Stem (SNV Series) described above is found meeting the acceptance criteria of applicable API Specifications.



Vishwanath Govande
Houston TX Office
Lloyd's Register Quality Assurance, Inc.

LR031.1.2016.06

Vishwanath Govande
Surveyor to Lloyd's Register Quality Assurance, Inc.
For Sergei Gornovsky, Edmund Elia and self

a member of the Lloyd's Register group.

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