

EU TYPE-EXAMINATION CERTIFICATE

Application of the
MSBFS 2011:3 (The European Parliament and the Council Directive 2010/35/EU of 16 June 2010 on Transportable Pressure Equipment)

CERTIFICATE NO.: **19-1016480-101, Rev. 0**

This Certificate consists of two (2) pages

THIS IS TO CERTIFY THAT THE EQUIPMENT

Needle Valves

WITH THE TYPE DESIGNATION/EQUIPMENT DESCRIPTION

16D series needle valves

MANUFACTURED BY

**Swagelok Company, 29500 Solon Road,
Solon, OH 44139-3492 - U.S.A.**

is found to comply with the requirements in § 1, chapter 2 (Article 12) and EN ISO 10297:2014
(as for the rest refer the Technical File).

The equipment has been examined with respect to the procedure of conformity assessment as described in the MSBFS 2011:3 (Directive 2010/35/EU) and the current edition of ADR §1.8.7.2 at the time of issuing this certificate.

APPLICATIONS

Design Pressure min/max: 0/ 172 bar(g)

Design Temp. range: -40°C to +65°C


Further details of the product and conditions for the certification are given overleaf.

This Certificate is valid until: 2030-01-31

MALMÖ, 2020-01-31

Kiwa Inspecta AB

Notified Body No.: 0409



**Kiwa
Inspecta**

Olof Pedersen
Senior Design Review Engineer



Notice: The certificate is subject to terms and conditions, if any, overleaf. Any significant changes in design or construction of the product, the quality system or amendments to the MSBFS 2011:3 (Directive 2010/35/EU) or Standards referenced above may render this certificate invalid. The product liability rests with the manufacturer or his representative in accordance with the MSBFS 2011:3 (Directive 2010/35/EU), as amended.

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LIMITATIONS

- The valves are not approved for use with acetylene or gasses with an oxidizing potential greater than air.
- The manufacturer is allowed to affix the "π" mark followed by the Notified Body number 0409 (KIWA Inspecta AB) to the approved equipment described in the chapter 3 of the TPED 2010/35/EU.

MANUFACTURING PLANT

Swagelok Company
29495 F.A. Lennon Drive
Solon, Ohio 44139-3933
U.S.A.

TYPE APPROVAL DOCUMENTATION

- Swagelok Company Technical File;
 - 0: Contents of TPED Technical File for Swagelok 16D Series Needle Valves,
 - 1: Application Form – EU Transportable Pressure Equipment Directive (TPED),
 - 2a: Essential Characteristics including Hazard and Risk - 9 January 2020,
 - 2b: Test Report – Swagelok 16D Valves, Report number: 190901106 (Kiwa Nederland B.V. (05-12-2019),
 - 2c: Type 3.1 for test sample SS-16DPS6-BC-PD (Base Var) _ Batch 0002505093,
 - 2d: Type 3.1 for SS-16DPM4-E-PD(Var1) _ Batch 0002507313,
 - 3a: Approval Drawings (final assembly and valve components),
 - 3b: "TPED Product" Catalog (MS-02-193, Rev. K),
 - 3c: "D Series Nonrotating-Stem Needle Valve" Catalog (MS-01-42, Rev H),
 - 3d: TPED 16D Valve – Instructions for use (SCS-00226, Rev. -),
 - 4a: Marking and testing, TPED Valves (SAS-01395, Rev. M),
 - 4b: EU Declaration of Conformity (SF-07-026, Rev. K),
 - 4c: "OD, 14D, 16D Assembly (Redacted, TPED 16D only)" (SAS-00784, Rev. H),
 - 4d: "Integral Bonnet Valve Lube Chart (Redacted, TPED 16D only)" (SAS-00551, Rev. F),
 - 4e: "Set Screw Torque Chart (Redacted, TPED 16D only)" (SAS-00554, Rev. W),
 - 5: Swagelok's ISO 9001-2015 certificate FM 01729

TESTS CARRIED OUT

- Technical Report No: 2019, Rev. 0: Swagelok Company – Type Inspection. Kiwa Inspecta Proj. No: 19-1016480-104.

MALMÖ, 2020-01-31

Kiwa Inspecta AB

A handwritten signature in blue ink, appearing to read "Olof Pedersen". Below the signature is a horizontal line, and the words "Kiwa Inspecta" are printed in blue, partially overlapping the line.

Olof Pedersen
Senior Design Review Engineer