Certificate No: LR26145865TA
Issue Date: 14/04/2026
Expiry Date: 13/04/2031

Type Approval Certificate

This is to certify that the undernoted product(s) has/have been tested with satisfactory results in accordance with the relevant requirements of the Lloyd's Register Type Approval System.

Manufacturer	**SWAGELOK COMPANY**
Address	29500,Solon Road, Solon, Ohio, 44139, United States
Place of Production	SWAGELOK COMPANY 29900 Solon Industrial Parkway, Solon, Ohio, 44139, United States
Type	Hose
Description	Swagelok T Series PTFE Hose, Stainless steel braided sizes ¼" to 1" with tube adaptors TA, TM, SL &SM.
Trade Name	Swagelok T Series, PTFE Hose , Stainless steel braided.
Application	Not fire-resistant type for Non-essential service such as potable water, scrubber chemical injection systems etc.
Specified Standard	Lloyd's Register Rules and Regulations for Classification of Ships - 2024
Ratings	Pressure rating at 70 Degree F (21 Degree C) 304 SS Braided TH and TC ¼" 3000 psig 3/8" 2500 psig ½" 2000 psig ¾" 1500 psig 1" 1000 psig

Downloaded Copy

Gopal Nair

Piping & Pressure System Principal Specialist
to Lloyd's Register North America, Inc.
A member of the Lloyd's Register group

820 Gessner Road, Suite 300, Houston, Texas,
77024, United States

Lloyd's Register Group Limited, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as 'Lloyd's Register'. Lloyd's Register assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.

Certificate No: LR26145865TA
Issue Date: 14/04/2026
Expiry Date: 13/04/2031

Type Approval Certificate

Alloy 400 Braid (TL4)
¼” 1500 psig
Temperature Minus 65 Degree F to 450 Degree F

Additional Tests

Burst test at four times Working pressure.

Other Conditions

Kiwa - Impulse pressure test according to ISO 13628-5:2009 / DIN EN ISO 6803:2010-01 dated 23rd Jan 2020.

1. Hoses are not fire-resistant type.
2. Hoses are approved for non- essential service only such as potable water or chemical injection system etc.
3. The hoses are not to be used in flammable systems and sea water/ ballast water systems where failure could result in flooding.
4. All crimping of end fittings to be done at Swagelok facility in accordance with approved procedures and no site crimping of end fittings is permitted.

This certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register North America, Inc. of any modification or changes to the equipment in order to obtain a valid Certificate.

Previous Version: LR21201739TA

The Design Appraisal Document TSO/26-055364/PRJ 111005103843/ LR26145865TA/GN and its supplementary Type Approval Terms and Conditions form part of this Certificate.

Downloaded Copy

820 Gessner Road, Suite 300, Houston, Texas,
77024, United States

Lloyd's Register Group Limited, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as 'Lloyd's Register'. Lloyd's Register assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.