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TECHNICAL STANDARDS & SAFETY AUTHORITY
14TH FLOOR CENTRE TOWER-3300 BLOOR STREE
TORONTO ON M8X 2X4

Date: April 6, 2016
Account #: 35231
Journal #: 65087
Our File #: 5585189

Attn: TANYA FRANCIS

Re: Application for Design Registration

The design, as detailed in your, TSSA SR# 1832102, for a Fitting is accepted for registration as follows:

Registered To: SWAGELOK COMPANY **CRN:** 0C18297.51

MDMT: -20 deg F

MAWT: 650 deg F

MAWP: 6000 psig

Drawing #: MS-02-312 (Product Catalog)

Conditions Of Registration:

Registration of General Utility Service Needle Valves as per scope of registration sheets (4 pages).

This design was registered based on a technical review performed by the province of initial registration in accordance with the Association of Chief Inspectors policy on reciprocal recognition of design review.

Reviewer's Notes:

As required by CSA B51 4.2.1, this registration expires on March 02, 2026. This CRN is valid until the expiry date as long as the Manufacturer maintains a valid quality control program verified by an acceptable third-party agency until that date. Should the certification of the quality control program lapse before the expiry date, this registration shall become void.

Contact me if you have any questions. The invoice for registration will be forwarded under separate cover.

SHARON PETERS

boiler.designregistration@safetyauthority.ca
Design Administration

cc:

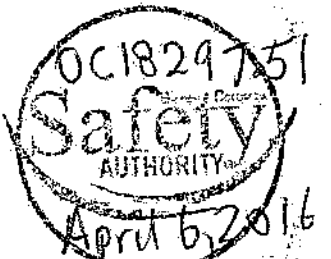
Attachment B. Scope of Registration for Swagelok General Utility Service Needle Valve (Category C)

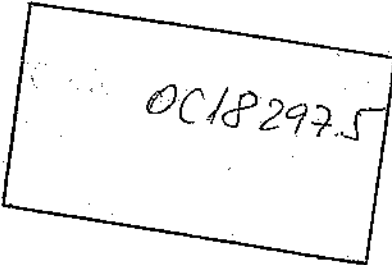
Product Scope

This document represents the scope of Swagelok General Utility Service Needle Valve covered by this submission for CRN approval. The Swagelok GU Series Needle Valves were designed and evaluated in accordance with ASME B31.1 and ASME B31.3 as unlisted components.

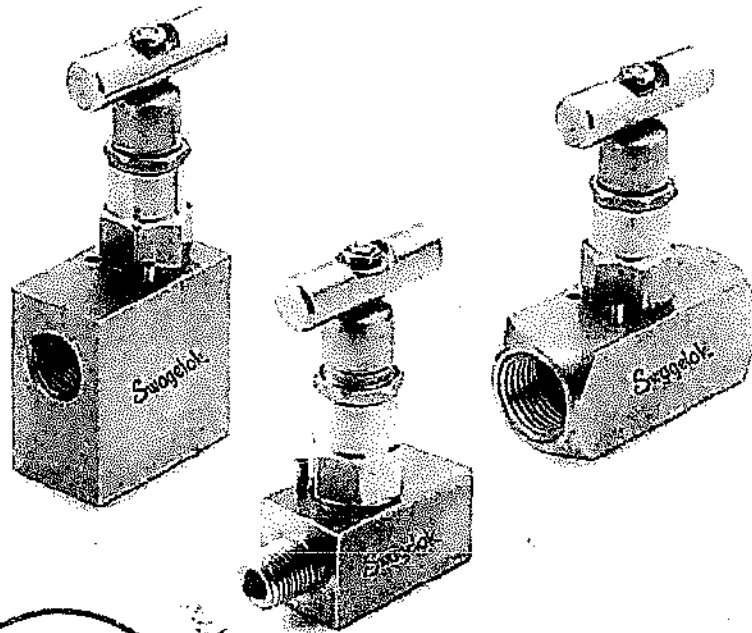
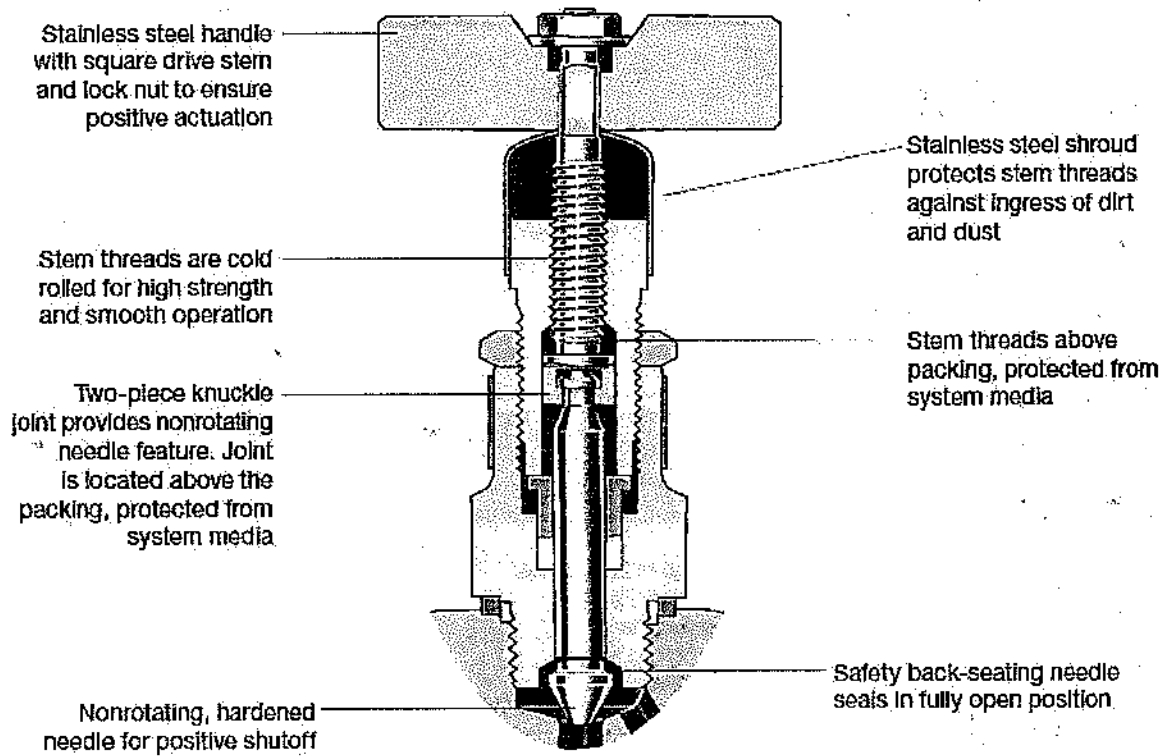
Summary Table

Product Description or Series	Main Pressure Bearing Components	Material Specification	End Connections and End Connection Sizes	Minimum Temperature	Maximum Allowable Working Pressure (PSIG)		Design Code of Construction
					At 70°F	At 650°F	
4GU	Body, Bonnet	316 SS / ASTM A479	Female NPT: 1/4", 3/8", 1/2" Male NPT: 1/4", 3/8", 1/2" Tube Socket Weld: 1/4", 3/8", 1/2"; 6mm, 8mm, 10mm, 12mm	-20°F	6000	3660	ASME B31.1 ASME B31.3
8GU	Body, Bonnet	316 SS / ASTM A479	Female NPT: 1/2", 3/4", 1" Male NPT: 1/2", 3/4", 1" Tube Socket Weld: 1/2", 3/4", 1"; 12mm, 14mm, 16mm	-20°F	6000	3660	ASME B31.1 ASME B31.3
16GU PS-48306	Body, Bonnet	316 SS / ASTM A479	Female NPT: 3/4", 1" Male NPT: 3/4", 1" Tube Socket Weld: 3/4", 1"; 14mm, 16mm, 18mm, 25mm	-20°F	4500	3660	ASME B31.1 ASME B31.3


 0C1829751
 Safety Authority
 April 6, 2016
 BC SA J #65087


 0C1829751

Product Drawings/Configurations



OC18297.51
Safety AUTHORITY
April 5, 2016
BCSA J# 65087

THIS IS PART OF
CRN OC18297.5
Technical Standards & Safety Authority
Boilers & Pressure Vessels
Safety Program

Typical Product Characteristics:

Some of the product options listed below affect the pressure-temperature ratings shown in the Summary Table, but in all cases the ratings are less than those shown in the Summary Table. All of the following options are within the scope of this registration:

- PTFE packing material
- Graphite packing material

Some of the product options listed below do not affect the pressure-temperature ratings shown in the Summary Table. All of the following options are within the scope of this registration:

- Straight or Angle-Pattern Bodies
- Male or Female End Connections
- High-Temperature Seals
- Anti-tamper Handles
- Round Lockable Handles
- Cleaning Options

Quality System

The Swagelok Company quality system complies with the requirements of BS EN ISO 9001:2008. The Swagelok Company maintains British Standards Institution Certificate of Registration Number FM 01729, which applies to all locations listed on the Certificate. The Swagelok GU Series Needle Valves are manufactured at a Swagelok Company locations in Solon, Ohio.

Special Ordering Instructions

SS-16GU must be ordered with Process Sheet PS-48306 to ensure that the correct rating is marked on the valve.

References

The product catalog does not represent the full scope of registration, but rather details some of the most common options.

- General Utility Service Needle Valves MS-02-312

