

### TECHNICAL STANDARDS & SAFETY AUTHORITY

14th Floor, Centre Tower 3300 Bloor Street West Toronto, Ontario Canada M8X 2X4 Show facsimile of manufacturer's logo or trademark, as it will appear on the fitting, in the space below

# Swagelok

| STATUTORY DI Registration   |   |   |
|---|---|---|
| David H. Peace, Vice President of Engineering   |   |   |
| (Name and Position, e.g. President, Plant   | Manager, Chief Engineer)                                      |   |
| of Swagelok Company   |   |   |
| (Name of Manufactu  | er)   |   |
| Located at 29500 Solon Road, Solon, Ohio 44139 USA  | (440) 248-4600  | (440) 349-5970                              |
| (Plant Address)   | (Telephone No.)   | (Fax No.)                                   |
| do solemnly declare that the fittings listed hereunder, which are su and Pressure Vessels Regulation, comply with all of the requirer ASME B31.1 and ASME B31.3 for Unlisted Components   | nents of  | ds and Safety Act, Boilers                  |
| (Title of recognized North Americ which specifies the dimensions, materials of construction, pressure/temp  | <i>ın Standard)</i><br>Derature ratings, identification marki | ng the fittings and service;                |
| or are not covered by the provisions of a recognized North American as supported by the attached pressure/temperature ratings and the basis for such ratings, the materials are considered by the attached pressure/temperature ratings and the basis for such ratings. | data which identifies the dimensi                             | ons, material of construction,              |
| I further declare that the manufacture of these fittings is controlled by a qualified by the following authority, The B   | ility system meeting the requirentish Standards Institution   | nents of ISO 9001:2008                      |
| The items covered by this declaration, for which I seek registration, are category  |   | type fittings. In support of                |
| this application, the following information and/or test data are attached as follows  |   |   |
| ISO 9001:2008 Certificate, Catalog Information, Support Documents, A  |   | Y   |
| (urawnigs, calculations, test)  | <i>sports</i> , 616.)   | •   |
| Declared before me at in th   | · State   | of ONTO                                     |
| the day of AD 20  |   |   |
| Commissioner for Oaths:  Jamle L. Ristau  Resident Portage County  Notary Public, State of Ohio  (Printed name)  My Commission Expires: 93/06/2019  | nA Pan  |   |
| (Signature)   | (Signature of   | Declarer)                                   |
| FOR OFFICE USE To the best of my knowledge and belief, the application meets the requireme Technical Standards and Safety Act, Boilers and Pressure Vessels Regula CSA Standard B51 and is accepted for registration in Category  | nts of the and Safety Authority                               | Boilers and Pressure Vessels Safety Program |
| CRN: OC 17882.5   | 7 17  | Marie Control Control Control               |
| Registered by: Z, UKO GACEUIC   | CRN. OC17   | 882.5<br>c Zu                               |
| Dated: Aug. 14, 2017  | Signed: Jack  | 2011  |
| NOTE: This registration expires on: Aug. 19 2025  | Date:1.791.7  | 000000000000000000000000000000000000000     |

## Attachment B: Scope of CRN Registration for Swagelok Special Alloy 50 Series Lift Check Valves (Category C)

This document represents the scope of the Special Alloy 50 Series Lift Check Valves covered by this submission for CRN approval. The Swagelok Special Alloy 50 Series Lift Check Valves were designed and evaluated in accordance with ASME B31.1 for unlisted components and ASME B31.3 for unlisted components.

#### **Summary Table**

| Product<br>Description<br>or Series Main<br>Pressure<br>Bearing<br>Componer |      | Main Pressure<br>Bearing Material<br>(Standard) | Port Connections and Sizes  | Maximum Rated Pressure            |                                   | Design Code of   |
|---|------|---|---|-----------------------------------|-----------------------------------|--|
|   |      |   |   | At ambient temperature            | At maximum temperature            | Construction   |
| 53  | Body | Monel Type 400<br>(UNS N04400)                  | Swagelok Tube Fitting 1/4", 6MM<br>Female NPT 1/8", 1/4"<br>Tube Socket Weld 1/4" | 5,000 psi<br>@ 100 <sup>0</sup> F | 3,960 psi<br>@ 500 <sup>0</sup> F | ASME B31.1<br>(Unlisted<br>Components) and<br>ASME B31.3<br>(Unlisted<br>Components) |
| 56  | Body | Monel Type 400<br>(UNS N04400)                  | Swagelok Tube Fitting 3/8"<br>Female NPT 1/4"<br>Tube Socket Weld 3/8", 1/2"      | 5,000 psi<br>@ 100 <sup>0</sup> F | 3,960 psi<br>@ 500 ⁰F             | ASME B31.1<br>(Unlisted<br>Components) and<br>ASME B31.3<br>(Unlisted<br>Components) |
| 58  | Body | Monel Type 400<br>(UNS N04400)                  | Swagelok Tube 1/2", 3/4"<br>Female NPT 3/8", 1/2"<br>Tube Socket Weld 1/2"        | 5,000 psi<br>@ 100 <sup>0</sup> F | 3,960 psi<br>@ 500 ⁰F             | ASME B31.1<br>(Unlisted<br>Components) and<br>ASME B31.3<br>(Unlisted<br>Components) |

#### **Product Illustration**



#### **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 Special Alloy 50 Series Lift Check Valves are manufactured at a Swagelok Company location in Solon, Ohio.

#### References

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

50 Series Lift Check Valves Catalog MS-01-98.

THIS IS PART OF CRN OC 17882.5

Technical Standards & Safety Authority
Boilers & Pressure Vessels
Safety Program