



STATUTORY DECLARATION Registration of Fittings

I, Joel Feldman		, Vice President of Engineering	In this space, show facsimile of manufacturer's logo or trademark as it will appear on the fitting.
	(name of applicant)	(position title) (must be in a position of authority	Swagelok
of _	Swagelok Company	(name of manufacturer)	O magaiorie
lonat	ed at 20500 Solon Boad Sol	on, Ohio 44139 USA (see Attachment A)	
lucai	zesou scion road, son	(plant address)	
	olemnly declare that the fittings ck one)	s listed hereunder, which are subject to the Safe	ety Codes Act
\boxtimes	comply with the requiremen	tts of ASME B31.1 and ASME B31.3 which (title of recognized North American Standard)	h specifies the dimensions,
	materials of construction, p	pressure/temperature ratings and identification n	narking of the fittings, or
	are not covered by the prov	risions of a recognized North American standard	and are therefore manufactured
	to comply with		as supported by the attached
		code of construction or other applicable document)	
	data which identifies the dir	mensions, materials of construction, pressure/te	mperature ratings and the basis
	for such ratings, and the ma	arking of the fittings for identification.	
I furt	her declare that the manufactu	ure of these fittings is controlled by a quality cor	trol program which has been
verif	ied by the following authority, I	BSI as being suit	able for the manufacture of
thes	e fittings to the stated standard	d. The fittings covered by this declaration, for w	hich I seek registration, are
Ca	tegory C Type Fittings	accurate and Applicate and a suppose of the subfactor product formulation of the subfactor	
	2 202 1 22 2	(brief description of fittings)	
In St	ipport of this application, the fo	ollowing information, calculations and/or test da	a are attached:
ISC	9001:2015 Certificate. Attach	nment A, Attachment B, Catalog Information and	other Support Documents
DEC	CLARED before me at	in the State of	(province or state)
this	day of [(Month) (Year)	
(pri	(a Commissioner of Oaths or f	Jamie L. Ristau Notary Public Resident Pertage County Notary Public, State of Ohlo	≠ c two cours
/nine	10000	My Commission Expires: 03/06/2019	tell
(sigr	(a Commissioner of Oaths or I	Notary Public) (signal	ure of applicant)
For	ABSA Office Use Only:		3.00
		theets Attachments A &B For se	ofe of Registration
To the	he best of my knowledge and l ndard B51, Clause 4.2, and is a	belief, the application meets the requirements o accepted for registration in Category	f the Safety Codes Act and CSA
Reg	istration Number: 0 C 2	1140 · 52	e of the Administrator/SCO)
Date	Registered: APR	0 1 2019 Expiry Date: Fel	orugry 22, 2029
	nformation you provide is necessary only ture Equipment Discipline.	for the administration of the programs as required by the Albert	ta Safety Codes Act and Regulations in the



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Attachment B: Scope of CRN Registration for Swagelok U Series Bellows-Sealed Valves (Category C)

This document represents the scope of Swagelok's U Series Bellows-Sealed Valves covered by this submission for CRN approval. These valves were designed and evaluated in accordance with ASME B31.1:2016 for unlisted components and B31.3:2016 for unlisted components.

Table 1 - Summary Table

THE WEST	Main Pressure Bearing Component	Main Pressure Bearing Material (Standard)	Port Connections and Sizes	Maximum Rated Pressure		1	
Product Description				At 100°F	Maximum Temperature		Design Code of
or Series				UG & UW	UG ¹	UW ²	Construction
4U	Body, Bonnet, Bonnet nut	316 SS (ASTM A479)	Tube Fitting 1/4",6mm Tube Socket Weld 1/4" Butt Weld 3/8"	2500 psig	2500 psig @ 650°F	250 psig @ 1200°F	ASME B31.1 (Unlisted Components) and ASME B31.3 (Unlisted Components)
			Female VCR 1/4*	2500 psig	2500 psig @ 650°F	480 psig @ 1000°F	
6U	Body, Bonnet,	(ASTM A479)	Tube Fitting 3/8",10mm Tube Socket Weld 3/8" Butt Weld 1/2"	2500 psig	2500 psig @ 650°F	250 psig @ 1200°F	
	Bonnet nut		Female VCR 1/2"	2500 psig	2500 psig @ 650°F	480 psig @ 1000°F	
< 8U	Body, Bonnet, Bonnet nut	316 SS (ASTM A479)	Tube Fitting 1/2", 12mm Tube Socket Weld 1/2" Butt Weld 3/4"	2500 psig	2500 psig @ 650°F	250 psig @ 1200°F	
G.			Female VCR 1/2"	2500 psig	2500 psig @ 650°F	480 psig @ 1000°F	
12U	Body, Bonnet, Bonnet nut	316 SS (ASTM A479)	Tube Socket Weld 3/4" Pipe Butt Weld 3/4" Tube Butt Weld 1"	2500 psig	2500 psig @ 650°F	250 psig @ 1200° F	

^{1 -} U-Series with a gasket bonnet seal

^{2 -} U-Series with a welded bonnet seal



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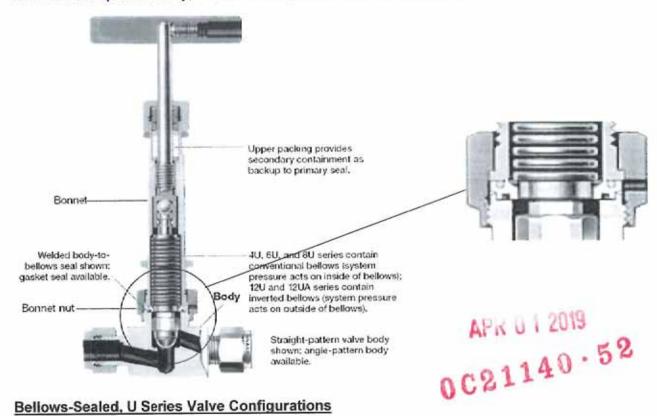
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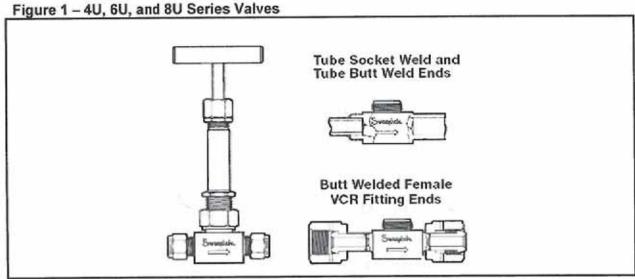
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Figure 1 - Pressure Retaining Components (typical 4U, 6U, or 8U hand operated valve)

Although the 12U Series Valve has a different internal design, all U Series Valves have the same configuration for pressure retaining components as shown bellow. The pressure retaining shell is made up of the body, the bonnet nut, and the bonnet as noted.



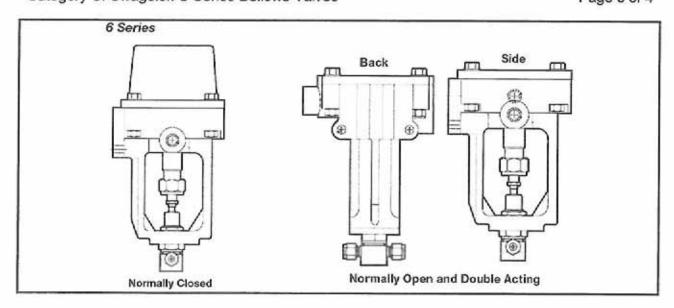
DESCRIPTION OF A STREET PROCESSOR OF STREET AND A STREET



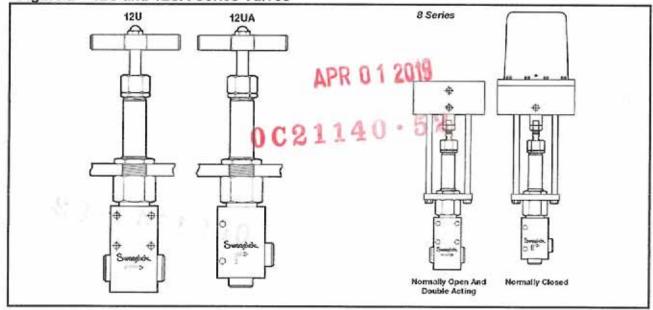
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Product Options:

The U Series valve stem tips and gaskets listed below affect pressure and/or temperature ratings shown in the above Summary Table, but in all cases the ratings are less than those shown below:

Stem Tips

- 316 SS (regulating)
- Cobalt-based alloy (spherical)
- PCTFE/D1430 (cylindrical)
- Polyimide (conical)

Gaskets

- PTFE-coated 316 SS
- Silver-plated 316 SS

Additional options and non-pressure boundary alterations that do not affect pressuretemperature ratings may be made available within the scope of this registration. Examples of these would include, but not be limited to, handle options, indicator switches, actuators, etc.

Quality System

The Swagelok Company quality system complies with the requirements of ISO 9001:2015. The Swagelok Company maintains British Standards Institution Certificate of Registration Number FM 01729, which applies to all locations listed on the Certificate. The Sealed-Bellows, U Series Valves are made at a Swagelok Company location in Solon, Ohio.

References

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

Bellows-Sealed Valves, U Series Catalog – MS-01-38 Rev J

OC21140.52

Attachment A. Swagelok Manufacturing Locations

This document lists the Swagelok locations where end item or component level manufacturing activities take place.

Swagelok Company	Swagelok Company (Falon 1)
29500 Solon Road	348 Bishop Road
Solon, Ohio 44139	Highland Heights, Ohio 44143
USA	USA
Swagelok Company (Highland)	Swagelok Company (Falon 2)
318 Bishop Road	358 Bishop Road
Highland Heights, Ohio 44143	Highland Heights, Ohio 44143
USA	USA
Swagelok Company (OFC)	Swagelok Company (HPF)
29495 F.A. Lennon Drive	6050 Cochran Road
Solon, Ohio 44139	Solon, Ohio 44139
USA	USA
Swagelok Company (Atlantic)	Swagelok Company (Snow Metal)
26651 Curtiss Wright Parkway	6060 Cochran Road
Willoughby Hills, Ohio 44092	Solon, Ohio 44139
USA	USA
Swagelok Company (Micro) 26653 Curtiss Wright Parkway Willoughby Hills, Ohio 44092 USA	Swagelok Company (Alfred) 29500 Ambina Drive Solon, Ohio 44139
Swagelok Hose Services Company (SHSC) 29900 Solon Industrial Parkway Solon, Ohio 44139	Swagelok Company (Strongsville) 15400 Foltz Road Strongsville, Ohio 44119 APR 0 1 2019
Swagelok (China) Fluid System Technologies Ltd. Changshu Export Process Zone Changshu Economic Development Zone Changshu, Jiangshu 215513 China	Swagelok Limited Ballafletcher Road Tromode IM4 4RA Isle of Man