LINIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

NEW BRUNSWICK NUNAVUT NOVA SCOTIA YUKON

PRINCE EDWARD ISLAND NORTHWEST TERRITORIES

NEWFOUNDLAND AND LABRADOR

MANUFACTURERS NAME: Swagelok Company		
MANUFACTURERS ADDRESS: 29500 Solon Road, Solon.	Obje 44130 USA	
PLANT LOCATIONS: Headquarters: 29500 Solon Road,	Solon Obio 44120 USA (Son Ass	make and the
CATEGORY OF FITTINGS TO BE REGISTERED, CIRC	CLE ONE CATEGORY ONLY	MILE OF THE STANDARD OF CONSTRUCTO
A Pipe fittings, including couplings, toes, elbows, Ye, plugs, unions B Flanges: all flanges C Valves: all line valves D Expension joints, flexible connections, and hose susemblies: all E Strainans, filters, expensions, and steem traps F Messuring devices, including pressure pauges, level gauges, algorisations are transmitters G Certified capacity-mind pressure relief devices acceptable as principles, pressure vessels, piping and fusible plugs H Pressure retaining components that do not fall into one of the abo	types	ASME B31.1 and ASME B31.3 (for unlisted components)
N Nuclear components: Class 1 🗆 Class 2 🗆 Class 3 🗀. (Mont)	ng AECB of ASME regularments)	
SHOW MANUFACTURERS NAME, TRADEMARK, OR LOGO AS I	WILL APPEAR ON THE PRODUCT	TYPE OF CONSTRUCTION
Swagelok		FORGER CI WELDER CI WROUGHT JU CAST CI OTHER DESCRIPE OTHER
LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION	OCTUP ACTUAL PRINCIPA OF DE	
ISO 9001:2015 Certificate, Attachment A, Attachment B, Pro		
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Canadian Registration Number Submittal #FDH-2017 Category H: Swagelok Fluid Distribution Header

November 10, 2017 Page 1 of 3

Attachment B. Scope of Registration for Swagelok Fluid Distribution Headers (FDH) (Category H)

Product Scope

This document represents the scope of Swagelok® Fluid Distribution Headers covered by this submission for CRN approval. These products have been evaluated in accordance with ASME B31.1 for unlisted components and ASME B31.3 for unlisted components.

Summary Table

Product Series	Main Pressure Bearing	Main Pressure Bearing Material	End Cap/Body Connections and Sizes	Maximum Allowable Working Pressure (psig)		Design Code of
	Component			@100°F	@Max. Temp	Construction
FDH1 (1" pipe platform)	Body (Extrusion) ¾" female NPT ends Or End Caps on straight threads	316 SS bar (ASTM A479)	Inlet Connections: Swagelok tube fitting 1/2", 3/4", 1", 12mm, 25mm Female NPT 3/8", 1/2," 3/4" Swagelok Tube Adapter 3/8", 1/2", 3/4", 1" Outlet Connections: Swagelok Tube Fitting 1/4", 1/2", 6mm, 10mm, 12 mm, 25 mm Female NPT 1/4", 3/8" 1/2" Swagelok Tube Adapter 1/4", 3/8", 1/2", 3/4"	3000 psig	2145 psi @ 400°F	ASME B31.1 (Unlisted Components) And ASME B31.3 (Unlisted Components)
FDH2 (2" pipe platform)	Body (Extrusion) and End Caps	316 SS bar (ASTM A479)	Inlet Connections Swagelok Tube Fitting 3/4", 1", 2", 25mm, 50mm, Female NPT 1/2," 3/4", 1" Swagelok Tube Adapter 3/4, 1", 2" Outlet Connections Swagelok Tube Fitting 3/8", 1/2", 3/4", 1", 10mm, 12 mm, 25 mm Female NPT 3/8" 1/2", 3/4", 1" Swagelok Tube Adapter 3/8", 1/2",3/4"	1000 psig	715psi @ 400°F	





Canadian Registration Number Submittal #FDH-2017 Category H: Swagelok Fluid Distribution Header

Product Illustrations







Configurations

The Swagelok Fluid Distribution Header (FDH) is a pre-engineered and fully documented piping assembly that can act as a distribution manifold or collection manifold in gas or liquid applications. The main pressure-bearing component is an extruded manifold body that may or may not include an end-cap at the inlet and outlet ends, as explained below. When end caps are used, they are connected to the body with straight threads and O-ring seals.

FDH assemblies are available in two sizes – the FDH1 is a one-inch pipe platform and the FDH2 is a two-inch pipe platform. The FDH can be ordered with two to 18 branch outlets, where valves and other system components are connected to the branch outlets with tapered pipe threads. Swagelok offers a variety of system components to connect to the manifold body and/or end cap assemblies.

The pressure rating of the total piping assembly is the lowest pressure rating of any valve or other system component connected to the body. The scope of this registration is only for the extruded body with 3/4" NPT ends or the extruded body and end cap assemblies.

Product Options:

Fluid distribution headers are common components for a variety of gas and liquid applications. A wide variety of product options such as clamps or various system components can be attached to manifold body and end-cap assemblies to create subsystems for conveying systems or gases. These options do not affect the pressure or temperature ratings of the body or body and end cap assemblies within the scope of this CRN registration..



Canadian Registration Number Submittal #FDH-2017 Category H: Swagelok Fluid Distribution Header November 10, 2017 Page 3 of 3

Quality System

The Swagelok Company quality system for Fluid Distribution Headers complies with the requirements of BS EN ISO 9001:2015. Swagelok Company maintains British Standards Institution Certificate of Registration Number FM 01729, which applies to all locations listed on the Certificate.

References

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

Fluid Distribution Header Catalog MS-02-358



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)	Swagelok Company (Strongsville)	
29900 Solon Industrial Parkway	15400 Foltz Road	
Solon, Ohio 44139	Strongsville, Ohio 44119	
Swagelok (China) Fluid System Technologies Ltd.	Swagelok Company A.G. (European Technology	
Changshu Export Process Zone	Center)	
Changshu Economic Development Zone	St. GallerstraBe 84	
Changshu, Jiangshu	Lachen, Switzerland 8853	
215513 China	Switzerland	
Swagelok Limited Tromode IM4 4RA Isle of Man		

THIS IS PART OF CRN 0H20020.5 Inchnical Standards & Safety Authority Bollors & Pressure Vessels Safety Program