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3300 Bloor Street West
Toronto, Ontario
Canada M8X 2X4
Tel.: 416.734.3300
Fax: 416.231.1626
Toll Free: 1.877.682.8772

www.tssa.org

April 12, 2016

SUSAN TURNER
PARKER HANNIFIN INSTRUMENTATION GROUP CANADA
4635 DURHAM RD S
GRIMSBY ON L3M 4G4
CA

Service Request Type.: BPV-National MB
Service Request No.: 1797780
Your Reference No.: SC423XL FLOW CONTROLLER
Registered to.: PARKER HANNIFIN INSTRUMENTATION GROUP CANADA

Dear SUSAN TURNER,

Please find enclosed the original response from MB, registered under the CRN No.: 0C10697.54.

As all jurisdictional fees are handled by the Technical Standards and Safety Authority (TSSA), you do not pay any jurisdictions directly.

Should you have any questions or require further assistance, I will be happy to assist you.
For general enquiries, please contact a Customer Service Advisor at 1.877.682.TSSA (8772) or e-mail customerservices@tssa.org. When contacting TSSA regarding this file, please refer to the Service Request number provided above.

Yours truly,

Tanya Francis
Administrative Assistant_ BPV Engineering
Tel. : 416-734-3423
Fax : 416-231-6183
Email : tfrancis@tssa.org



Inspection and Technical Services Manitoba
500 - 401 York Avenue
Winnipeg Manitoba R3C 0P8
T (204) 945-3373
F (204) 948-2309
www.firecomm.gov.mb.ca/codes_steam_pressure.html

March 11, 2016

TSSA
3300 Bloor St. W, Center Tower, 14th Floor
Toronto, ON
M8X 2X4

Attn: Tanya Francis

REGISTRATION OF VALVES AND FITTINGS

Manufacturer: Parker Hannifin - Veriflo

The design(s) for the following Valves/Fittings has been received by us and has been examined and accepted for registration in the Province of Manitoba as follows.

DRAWING / CATALOGUE	CRN	FILE
SC423XL GAS FLOW CONTROLLER	0C10697.54	36242

An invoice covering survey and registration fees is enclosed.

NOTE: CRN registered under reciprocal agreement & is conditional based on compliance with the notes set by the original issuing Jurisdiction: TSSA. See attached stamped "this is part of CRN" for scope of registration. This registration expires **January 8, 2026**.

This registration is valid until the indicated expiry date only if the Manufacturer maintains a valid quality management system approved by an acceptable third-party agency until that date. Should the approval of the quality management system lapse before the expiry date indicated above, this registration shall become void.

The registration of this design does not relieve the manufacturer, the owner or his agent of the responsibility for the design or construction of a fitting in accordance with the applicable Acts, Codes and Standards. Inspection and Technical Services assumes no responsibility by registering designs, examining plans and/or inspecting equipment or facility.

Yours truly,

A handwritten signature in blue ink that reads "Rabie Harb".

Rabie Harb, E.I.T.
Design Surveyor
Office of the Fire Commissioner
Inspection and Technical Services Manitoba
508 - 401 York Avenue
Winnipeg, Manitoba, R3C 0P8
Phone: 204-945-3373
Email: rabie.harb@gov.mb.ca



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



STATUTORY DECLARATION Registration of Fittings

I, Joseph Lis, Veriflo Division Chief Engineer

(Name and Position, e.g. President, Plant Manager, Chief Engineer)

of Parker Hannifin Veriflo Division

(Name of Manufacturer)

Located at 250 Canal Blvd, Richmond, CA 94804

(Plant Address)

510-235-9590

(Telephone No.)

510-232-7396

(Fax No.)

☐ do solemnly declare that the fittings listed hereunder, which are subject to the **Technical Standards and Safety Act**, Boilers and Pressure Vessels Regulation, comply with all of the requirements of

(Title of recognized North American Standard)

which specifies the dimensions, materials of construction, pressure/temperature ratings, identification marking the fittings and service;

☒ or are not covered by the provisions of a recognized North American standard and are therefore manufactured to comply with Veriflo specifications as supported by the attached data which identifies the dimensions, material of construction, pressure/temperature ratings and the basis for such ratings, the marking of the fitting for identification and service.

I further declare that the manufacture of these fittings is controlled by a quality system meeting the requirements of ISO9001 which has been verified by the following authority, Det Norske Veritas (DNV).

The items covered by this declaration, for which I seek registration, are category C type fittings. In support of this application, the following information and/or test data are attached as follows:

CRN Renewal - SC423XL - Includes: Original report; Current catalog; Current ISO9001 Certificate

(drawings, calculations, test reports, etc.)

Declared before me at Richmond in the STATE of CALIFORNIA

the 2 day of 11 AD 2015.

Commissioner for Oaths:

(Printed name)

(Signature)

(Signature of Declarer)

FOR OFFICE USE ONLY

To the best of my knowledge and belief, the application meets the requirements of the **Technical Standards and Safety Act**, Boilers and Pressure Vessels Regulation, and CSA Standard B51 and is accepted for registration in Category "C".

CRN: OC10697.54

Registered by: Ralie Harb

Dated: 2016/03/11

NOTE: This registration expires on: Jan 8, 2026





**CERTIFIED
TRUE COPY**

Date: 8/Dec/16

Signature: C Garbar

Cecilia Garbar, a Commissioner, etc.,
City of Toronto, for the Technical
Standards & Safety Authority.
Expires June 17, 2017.

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

CIVIL CODE § 1189

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California

County of

Contra Costa

T. Prieto, Notary Public

On November 2nd, 2015 before me,

Date

Here Insert Name and Title of the Officer

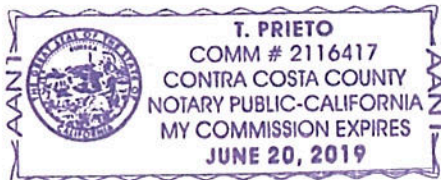
personally appeared

Joseph Lis
Name(s) of Signer(s)

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.



Signature

T. Prieto
Signature of Notary Public

Place Notary Seal Above

OPTIONAL

Though this section is optional, completing this information can deter alteration of the document or fraudulent reattachment of this form to an unintended document.

Description of Attached Document

Title or Type of Document: _____ Document Date: _____

Number of Pages: _____ Signer(s) Other Than Named Above: _____

Capacity(ies) Claimed by Signer(s)

Signer's Name: _____

☐ Corporate Officer — Title(s): _____

☐ Partner — ☐ Limited ☐ General

☐ Individual ☐ Attorney in Fact

☐ Trustee ☐ Guardian or Conservator

☐ Other: _____

Signer Is Representing: _____

Signer's Name: _____

☐ Corporate Officer — Title(s): _____

☐ Partner — ☐ Limited ☐ General

☐ Individual ☐ Attorney in Fact

☐ Trustee ☐ Guardian or Conservator

☐ Other: _____

Signer Is Representing: _____

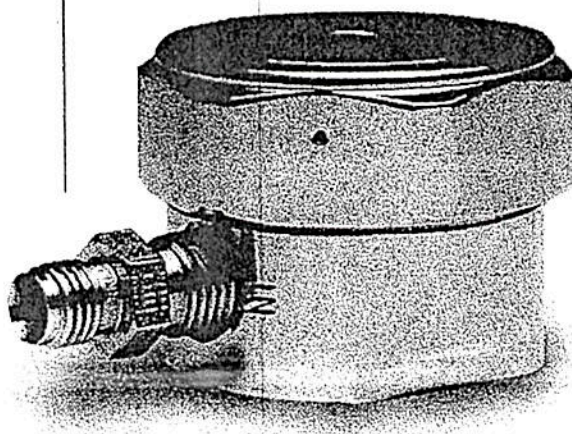
SC423XL Series

Precision Low
Flow Control



Parker Hannifin Corporation's Veriflo Division presents the SC423XL. The SC423XL is a unique device which supplies a constant flow with a self correcting action to compensate for changes in downstream pressure.

The SC423XL was designed for air and analyzer sampling systems which require very low flow rates (less than 10 scc/m). Connected to a vacuum cylinder, the SC423XL provides consistent flow control despite changes in the vacuum.



features

- ▶ Rugged Design.
- ▶ Reliable Precision Flow Control as low as 1 scc/m.
- ▶ Adjustable Flows.
- ▶ Hastelloy C-22[®] Diaphragms.
- ▶ Stable flows as vacuum pressure changes from 28 in Hg to 5 in Hg.
- ▶ Stable flows over a wide temperature band.
- ▶ Color coded orifices.
- ▶ Special CFC Free Cleaning.
- ▶ Tamper Proof.



materials of construction

Wetted

Body 316L Stainless Steel
Seal Vilon[®]
Seals Vilon[®]
Piston 316L Stainless Steel
Diaphragm Hastelloy C-22[®]
Inlet Fitting 316 Stainless Steel
Outlet Fitting 316 Stainless Steel

Non-wetted

Cap 316L Stainless Steel
Filter Sintered Hastelloy
Cap Nut 316 Stainless Steel

operating conditions

Inlet pressure Atmospheric
Outlet pressure Vacuum
Flow As low as 1 scc/m
(See Flow Curve)

functional performance

Design Leak Rate:
(outboard) 1x10⁻⁶ scc/sec HE

temperature range

-40°F (-40°C) to 200°F (94°C)

standard configurations

1/4" NPT Female inlet and outlet

connections

Inlet (Atmosphere) 1/4" NPT x 1/4"
Compression Fitting
Outlet (Vacuum) 1/4" NPT x 1/4"
Tube Adaptor

approximate weight

1.75 lbs. (.80 kg)

