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March 22, 2016

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

Service Request Type.: BPV-National AB
Service Request No.: 1797768
Your Reference No.: SC423XL FLOW CONTROLLER
Registered to.: PARKER HANNIFIN INSTRUMENTATION GROUP CANADA

Dear SUSAN TURNER,

Please find enclosed the original response from AB, registered under the CRN No.: 0C10697.52.

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



the pressure equipment safety authority

9410 - 20 Ave N.W.
Edmonton, Alberta, Canada T6N 0A4
Tel: (780) 437-9100 / Fax: (780) 437-7787

February 18, 2016

Attention: Tanya Francis
TECHNICAL STANDARDS & SAFETY AUTHORITY
3300 BLOOR STREET WEST
14 FLOOR CENTRE TOWER
TORONTO, ON M8X 2X4

The design submission, tracking number 2016-00667, originally received on February 01, 2016 was surveyed and accepted for registration as follows:

CRN : 0C10697.52 **Accepted on:** February 18, 2016
Reg Type: Addition to Acc. Fitting **Expiry Date:** January 08, 2026
Drawing No. : SC423XL GAS FLOW CONTROLLER - RENEWAL
Fitting type: GAS FLOW CONTROLLER

Design registered in the name of : PARKER HANNIFIN - VERIFLO

The registration is conditional on your compliance with the following notes:

This registration is valid only for fittings fabricated at the location(s) covered by the QC certificate attached to the accepted AB-41 Statutory Declaration form. This registration is valid only 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.

An invoice covering survey and registration fees will be forwarded from our Revenue Accounts.

Enclosed are stamped prints for your reference.

Sincerely,

GRYNCHUK, MILLA

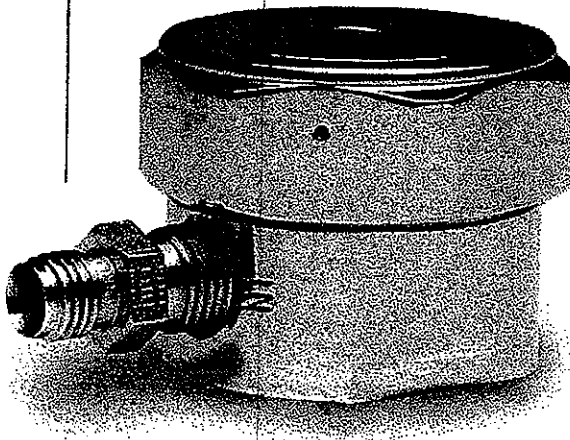
SC423XL Series

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.



3 • FLOW CONTROLLERS

materials of construction

Wetted

Body 316L Stainless Steel
 Seal Viton[®]
 Seats Viton[®]
 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) 1x10⁻⁴scc/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 Adapter

approximate weight

1.75 lbs. (.80 kg)

OC10697.52

SAFETY CODES ACT - PROVINCE OF ALBERTA
REGISTRATION OF FITTINGS

REGISTRATION NO. OC10697.52

DWG. NO. of CAT. NO. SC423XL Series

TYPE OF FITTINGS Gas flow controller

Date FEB 18 2016 INITIALS [Signature]

MILLA GRYNCHUK, P.Eng.
 DESIGN SURVEY ENGINEER

ORN Renewal 2



In this space, show facsimile of manufacturer's logo or trademark as it will appear on the fitting.



I, Joseph Lis,
Chief Engineer
 (company title, e.g. vice president, plant manager, chief engineer) (must be in a position of authority)

of Parker Hannifin Veriflo Division
 (name of manufacturer)


located at 250 Canal Blvd, Richmond, CA 94804
 (plant address)

do solemnly declare that the fittings listed hereunder, which are subject to the Safety Codes Act (check one)

- comply with the requirements of _____ which specifies the dimensions, (title of recognized North American Standard) materials of construction, pressure/temperature ratings and identification marking of the fittings, or
- are not covered by the provisions of a recognized North American standard and are therefore manufactured to comply with Veriflo Engineering STDs as supported by the attached data which identifies the dimensions, materials of construction, pressure/temperature ratings and the basis for such ratings, and the marking of the fittings for identification.

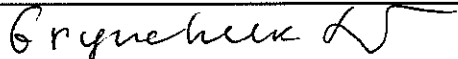
I further declare that the manufacture of these fittings is controlled by a quality control program which has been verified by the following authority, ISO9001 - DNV as being suitable for the manufacture of these fittings to the stated standard. The fittings covered by this declaration, for which I seek registration, are Category C

In support of this application, the following information, calculations and/or test data are attached:
CRN Renewal - SC423XL - Includes: Original report; Current catalog; Current ISO9001 Certificate

DECLARED before me at Richmond in the STATE of CALIFORNIA
 this 2 day of 11, 2015
 (Month) (Year)
 (print) JOSEPH J. LIS. 
 (sign) _____
 (A Commissioner for Oaths)

For Office Use Only

To the best of my knowledge and belief, the application meets the requirements of the Safety Codes Act and CSA Standard B51, Clause 4.2, and is accepted for registration in Category C

Registration Number: OC10697.52 

Date Registered: FEB 18 2016 (For the Administrator/Chief Inspector of Alberta)
 Expiry Date: 2016. Jan 08

The information you provide is necessary only for the administration of the programs as required by the Alberta Safety Codes Act and Regulations in the Boiler Discipline.

CRN Renewal done

PLEASE SEE ATTACHED CA ACKNOWLEDGMENT

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

CIVIL CODE § 1189

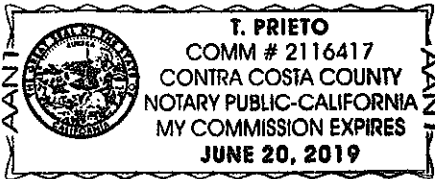
A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California)
County of Contra Costa)
On November 2nd, 2015 before me, T. Prieto, Notary Public
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 [Handwritten Signature]
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: _____ Signer's Name: _____
 Corporate Officer — Title(s): _____ Corporate Officer — Title(s): _____
 Partner — Limited General Partner — Limited General
 Individual Attorney in Fact Individual Attorney in Fact
 Trustee Guardian or Conservator Trustee Guardian or Conservator
 Other: _____ Other: _____
Signer Is Representing: _____ Signer Is Representing: _____

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