



IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: **IECEx CSA 13.0015X** Page 1 of 5 [Certificate history:](#)
Issue No: 1 [Issue 0 \(2013-07-17\)](#)

Status: **Current**

Date of Issue: 2015-10-21

Applicant: **Ashcroft Inc.**
250 East Main St, Stratford, CT 06614 USA
United States of America

Equipment: **Pressure Switches - AP Series with suffixes**

Optional accessory:

Type of Protection: **Ex d, tb**

Marking: Ex d IIC T6/T5* Gb
Ex tb III C T85°C/T100°C Db

*Temperature codes are based on the ambient temperature(T_{amb}), process temperature(T_p), minimum temperature of the pressure seal code "S", "B", "V" and "N", pressure range and switch code.

Approved for issue on behalf of the IECEx
Certification Body:

Dorin Stochitoiu

Position:

Technical Advisor

Signature:
(for printed version)

Date:
(for printed version)

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting www.iecex.com or use of this QR Code.



Certificate issued by:

CSA Group
178 Rexdale Boulevard
Toronto, Ontario M9W 1R3
Canada
and
1707 - 94th Street Edmonton, AB T6N 1E6 and 8503 East Pleasant Valley Road Independence,
Ohio, USA 44131-5516
Canada





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Manufacturer: **Ashcroft Inc.**
250 East Main St, Stratford, CT 06614 USA
United States of America

Manufacturing
locations:

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended

STANDARDS :

The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

[IEC 60079-0:2011](#) Explosive atmospheres - Part 0: General requirements
Edition:6.0

[IEC 60079-1:2014](#) Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

[IEC 60079-31:2013](#) Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
Edition:2

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Reports:

[CA/CSA/ExTR13.0017/00](#)

[CA/CSA/ExTR13.0017/01](#)

Quality Assessment Report:

[GB/SIR/QAR11.0010/03](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

Series AP with suffixes, pressure switches with flameproof construction, stainless steel made enclosure, factory sealed, equipped with one switch for codes: 1H,1P,1G,1L or two switches for codes:2H,2P,2G,2L with electrical ratings as follows:1H, 2H rated 5A, 125/250V ac; 5A, 28V dc resistive.1P, 2P rated 3A, 125ac; 2A, 30V dc resistive.1G, 2G rated 0.1A, 125V ac; 0.1A, 30V dc resistive.1L, 2L rated 1A, 125V ac; 1A 28V dc resistive.

SPECIFIC CONDITIONS OF USE: YES as shown below:

This equipment utilises a flexible Ex d wall. Do not exceed the manufacturer's maximum limit detailed in the instructions.



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Equipment (continued):

Material and Temperature ratings (based on Mat'l and Switch Code)					
Switch CODE	with MAT'L CODE	"MAT'L"	"TEMP MIN"	"T5 Ta and Tp"	"T6 Ta and Tp"
1H, 2H, 1L, 2L	S	316 ST.SL.	-40 °C	89 °C	74 °C
1H, 2H, 1L, 2L	B (Ranges: 100psi, 200psi, 10kpsi, 15kpsi)	316 SS, BUNA	-20 °C	89 °C	74 °C
1H, 2H, 1L, 2L	B (Ranges 500-7500psi)	316 SS, BUNA	-40 °C	89 °C	74 °C
1H, 2H, 1L, 2L	V*	316 SS, VITON	-20 °C	89 °C	74 °C
1H, 2H, 1L, 2L	N (Ranges 100-7500psi)	316 SS, HNBR	-40 °C	89 °C	74 °C
1H, 2H, 1L, 2L	N (Ranges 10kpsi-15kpsi)	316 SS, HNBR	-20 °C	89 °C	74 °C
1P, 2P, 1G, 2G	S	316 ST.SL.	-20 °C	74 °C	74 °C
1P, 2P, 1G, 2G	B*	316 SS, BUNA	-20 °C	74 °C	74 °C
1P, 2P, 1G, 2G	V*	316 SS, VITON	-20 °C	74 °C	74 °C
1P, 2P, 1G, 2G	N*	316 SS, HNBR	-20 °C	74 °C	74 °C

*All ranges: 100psi-15kpsi



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Issue 1: Introduction of a new M20x1.5 male conduit fitting was recognized. New pressure connections, codes: 04, 08, 46, 50, and 76 were introduced. The material code, range value, for the "B type" pressure o-ring seal, was updated to include 10k, 7.5k and 15k psi range values, the Material and Temperature ratings table being amended accordingly. A new HNBR ("N" type) pressure seal was introduced, the Material and Temperature ratings table being amended accordingly. Following appropriate assessment to demonstrate compliance with the latest standards editions.