9410 - 20 Ave N.W.

Edmonton, Alberta, Canada T6N 0A4

Tel: (780) 437-9100 / Fax: (780) 437-7787

December 30, 2014

Attention: Jeremy M. Payne

ASHCROFT INC

250 EAST MAIN STREET STRATFORD, CT 06614

The design submission, tracking number 2014-10277, originally received on December 08, 2014 was surveyed and accepted for registration as follows:

CRN:

0F02805.72

Accepted on: December 30, 2014

Reg Type:

New Design

Expiry Date: November 07, 2024

Drawing No.: ASHCROFT BULLETIN DG-5503 As Noted

Fitting type: TYPE 5503 DIFFERENTIAL PRESSURE GAUGE

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

- ** This registration has been issued:
- 1. Based on the review from the province of NB
- 2. Based on the Association of Chief Inspectors Policy on Reciprocal Recognition of Design Review for Fitting Design Registration

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,

DICK, ASHLING, P. Eng.

^{**} Refer to SR-5503 Rev 0 for scope of registration





STATUTORY DECLARATION Registration of Fittings



I, Philip Reed
Quality Assurance Manager
(company title, e.g. vice president, plant manager, chief engineer) (must be in a position of authority)
of Ashcroft, Inc.
(name of manufacturer)
located at 250 Main Street, Stratford, Connecticut 06614, USA
(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 ASME B31.3; B31.1; ANSI 82.03 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 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. Lloyd's Register Quality Assurance 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 F
In support of this application, the following information, calculations and/or test data are attached:
Type 5503 differential pressure gauge per Ashcroft bulletin DG-5503; scope of registration SR-5503-Rev0
27 July 2 garage part and a state of the grant and the control of the grant and the control of t
DECLARED before me at Stratford in the State of Connectment
this 10th day of October 2014
(Month) (Year)
(print) IRENE FERRIGNO (Signature of Applicant)
(sign) State of Commissioner for Oaths) State of Commissioner for Oaths) My Commission Expires
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
Registration Number: 0 F 0 2 8 0 5 7 2 Tuls 10 T. M. (ASHLING) DICK
Date Registered: DEC 30 2014 (For the Administrator/Chief Inspector of Alberta)



OF 02805 72 DEC 30 2014

Ashcroft Inc. 250 East Main Street Stratford, CT 06614-5145, USA

Page 1 of 1

Scope of Registration Summary - Type 5503 differential Pressure Gauges

Differential Pressure Gauge Type	Process Connection Sizes (in) ASME B1.20.1	Maximum Pressure in Temperature Range (psi)	Temperature range (°F)	Material		
5503 (PN400)	─ ¼ NPT, ½ NPT -	265 bar [1] 400 bar [2]				
5503 (PN160)		145 bar [1] 160 bar [2]	-20 to 185	A182 F316L		

- [1] Qualified per ASME B31.1 referenced Section I, A-22 & ASME B31.3 referenced ASME Section VIII, div. 1, UG-101.
- [2] Qualified per ANSI/ISA 82.03–1988 (equivalently Annex G of CSA C22.2 No. 61010-1, Sections G.2.3 (a) & (b), and Table G.1)
- [3] See Ashcroft bulletin DG-5503 for product specifications
- [4] See PR-5503-Rev0 for witnessed proof test reports and calculations.

I, the undersigned, hereby confirm that the above is accurate and true:

Approved by:	Jeremy M. Payne	Signed:	Twyntz				
Date Signed:	6 October 2014						



(XYW)

(XGV)

(XLJ)

(XSP)

(XFW)

(XTM)

(X43)

(HS)

(HH)

(XED)

(XEE)

(XEF)

(X6R)

I.W.D.

10

30

60

100

200

160mm

21

22

10

11

OPTIONAL FEATURES

Weatherproof/Hermetically sealed case (IP65)

3625 psi (ranges <10 psid)

5801 psi (ranges >10 psid) Wall mounting bracket

(Available for ranges 5 psid and above.)

Hastelloy C diaphragm with 316 SS

Hastelloy C diaphragm and housing

(1) Only available with 1450 psi static pressure.

Specify if magnetic or inductive contacts.

Viton® is a registered trademark of OuPont Co.

mBar

40

60

100

160

250

STANDARD RANGE TABLE

bar

0.6

1.0

1.6

2.5

6

10

16

25

100mm

20

21

10

WEIGHT (lbs)

Ranges 60 psid and above

Electric Warning Contacts(2)

Specify contact arrangement.

Temperature Limits

316 SS case and ring

Glycerin fill - Standard

Silicone fill - Optional

Static pressure to

Pipe mounting bracket

3-way manifold

NACE compliant

High and Low

Double High

Double Low

Oxygen cleaning

Process: -20/185°F Ambient: -20/185°F

Storage: -20/185°F

psid

5

10

15

30

60

100

160

200

300

400

600

Dry

Dry

Liquid Filled

Liquid Filled

For ranges ≤5 psid

For ranges ≥10 psid

housing(1)

Type 5503 Differential Pressure Gauge





- ± 1.6% full scale accuracy
- Stainless steel case
- Nace compliant option
- · Available with custom flow monitoring dials
- 1450 psi static pressure standard with optional static pressure to 5801 psi
- External zero adiust
- Optional liquid-filled case
- · 4" (100mm) or 6" (160mm) dial sizes

The Ashcroft® Type 5503 differential pressure gauge is available with ranges from 16 I.W.D. to 600 psi with optional static pressure to 5801 psi. Optional wetted parts includes Hastellov C. Typical applications include chemical, petrochemical power, food & beverage and the pulp and paper industries.

PRODUCT SPECIFICATIONS

Model Number:

5503

Accuracy: Dial Size:

±1.6% full scale

Ranges:

4" (100mm) or 6" (160mm) 0-30 IWD (inches of water differen-

Static Pressure:

tial) to 300 psid 1450 psi standard

Optional

3625 psi ranges <10 psid 5801 psi ranges >10 psid

Case Material:

304 SS open front case with a bayonet ring; (316 SS case and ring

Window: Dial: Pointer:

optional) Shatterproof glass

White painted aluminum Black painted aluminum with exter-

of range) 316 stainless steel for ranges of 15 psi and below. High strength

ranges of 10 psi and above 316 SS with a Viton® 0-ring

Connection Location:

Lower

nal adjust feature standard (to 25% Diaphragm Material: cobalt alloy (Duratherm 600) for 5503 Housing Material: Mounting: Competion Size: Stem, wall or pipe 14, 1/2 NPT Purge & Bleed Connection: Standard on top of each pressure chamber (G¼ with plug)

HOW TO ORDER (Typical example)

IAFETY CODES ACT - PROVINCE OF ALBERTA REGISTRATION OF FITTINGS EGISTRATION NO. 0 F 0 2 8 WG. NO. or CAT. NO. Ashcroft Bulletin DG YPE OF FITTINGS 5503 Differential

> See Acceptance Letter for the comments and/or conditions of registration.

XXX 0/100 psld 5503 Dial Size: 100mm (10), 160mm (16)-Case Type: 5503 Diaphragm: (S) 316 SS -Housing, Socket: (S) 316 SS -Connection Size, Location: ¼ (02), ½ (04), Lower (L) = Options: Range: 0/100 psid -

ISO 9001 **BULLETIN DG-5503** All specifications are subject to change without notice. All sales subject to standard terms and conditions.

C Ashcroft Inc. 2013 08/13

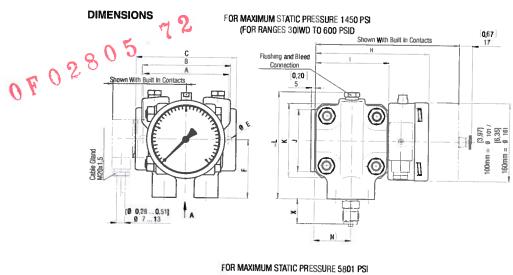
Ashcroft Inc., 250 East Main Street, Stratford, CT 06614 USA Tel: 203-378-8281 • Fax: 203-385-0408

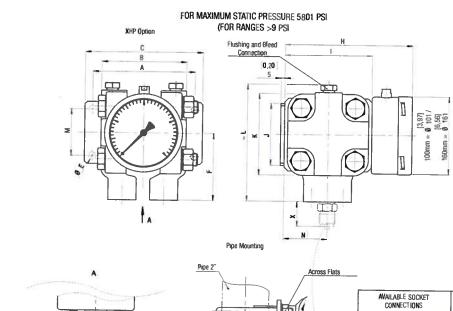
email: info@ashcroft.com . www.ashcroft.com

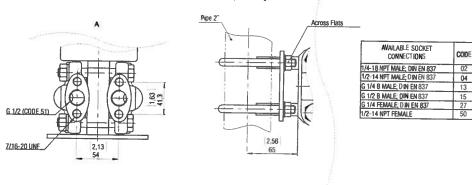


DEC 3 0 2014

Type 5503 Differential Pressure Gauge







	A	В	C	D	E	F	G	н	1	J	К	-L	M	(N)	
60 ± 400 mbar MAX. PN100	[5,20] 132	[4,25] 108	[5,98] 152	[4,72] 120	[0,35] 4 x Ø 9	[3,94]	[9,43] 239,5	[7,62] 193.5	[5,55]	[3,15]	[5,55]	[7,11]	[2,36]	[2,78] 70,5	
MAX. PN250	[6,69] 170	[5,83] 148	[7,87] 200	*	[0,43] 4 x Ø 11	[4,72] 120	Kies	[8,96] 227,5	[6,89] 175	[3,94[100	[6,69]	[8,62]	[2,36]	[3,44] 87.5	
0.6 + 25 bar MAX, PN400	[5,20] 132	[4,33] 110	[5,98] 152	23	[0,35] 2 x Ø 9	[3,41] 86,5	521	[6,52] 165,5	[4,45] 113	[3, 15] 80	[4, 13] 105	[5,94] 151		[2,22] 56,5	