Australian/New Zealand

Certification Scheme for

EXPLOSION-PROTECTED ELECTRICAL EQUIPMENT

ANZEx Scheme

Certificate of Conformity

Certificate No.: **ANZEx 06.3041**	Issue No.: **1**	Date of Issue: **29/03/2010**
	Issue No.: **0***	Date of Issue: **12/12/2006**

**** This ANZEx certificate was issued on the basis of an existing AUSEx Certificate of Conformity (Ex 1456) in accordance with Clause 3.3 of MP87:2004. Certificate AUSEx 1456 was revalidated on 12/01/2004.***

Applicant: Flowserve US Inc
1350 North Mountain Springs Parkway
Springville UTAH 84663
USA

Electrical Apparatus: NT 3000 Transducer

Type of Protection: Ex d IIB + H_2 T6 IP65

Marking Code: Flowserve
NT3000 Transducer
Model NT300205* (*Complete model number as per drawing 225366)
Ex d IIB + H_2 T6 IP65
ANZEx 06.3041

Manufacturer: Flowserve US Inc
1350 North Mountain Springs Parkway
Springville UTAH 84663
USA

Manufacturing Location(s): As above

*The EPEE certification database located at **http://www.anzex.com.au** shows the validity of this Certificate.*

Certificate issued by:

TestSafe Australia
919 Londonderry Road, Londonderry NSW 2753
Australia
Phone: +61 2 4724 4900 Fax: +61 2 4724 4999
http://www.testsafe.com.au

www.jas-anz.com.au/register

Australian/New Zealand

Certification Scheme for

EXPLOSION-PROTECTED ELECTRICAL EQUIPMENT

ANZEx Scheme

Certificate of Conformity

Certificate No.: **ANZEx 06.3041**	Issue No.: **1**	Date of Issue: **29/03/2010**
	Issue No.: **0***	Date of Issue: **12/12/2006**

*This certificate is granted subject to the conditions as set out in Standards Australia/Standards New Zealand Miscellaneous Publication **MP87.1:2008**.*

STANDARDS:

The electrical apparatus 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:

AS 2380.1-1989	Electrical equipment for explosive atmospheres - Explosion-protection techniques – Part 1: General requirements (incorporating amendment 1)
AS 2380.2-1991	Electrical equipment for explosive atmospheres - Explosion-protection techniques – Part 2: Flameproof enclosure d (incorporating amendment 1)
AS 1939-1990	Degrees of protection provided by enclosures of electrical equipment (IP Code)

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

ASSESSMENT & TEST REPORTS:

The equipment listed has successfully met the assessment and test requirements as recorded in:

Test Report No. and Issuing Body:	**24431, 28339, 32007, TestSafe Australia**
Quality Assessment Report No. and Issuing Body:	**ANZEx QAR 06.020, TestSafe Australia, IECEx QAR GB/SIR/QAR07.0005/01, Sira**
File Reference:	**2006/012134, 2009/017327**

29/03/2010

Signed for and on behalf of issuing body

Date of Issue

Quality & Certification Manager

Position

Certificate of Conformity

Certificate No.: **ANZEx 06.3041**	Issue No.: **1**	Date of Issue: **29/03/2010**
	Issue No.: **0***	Date of Issue: **12/12/2006**

Schedule

EQUIPMENT:

The Flowserve model NT-30XX transducer flameproof enclosure is manufactured from either aluminium or stainless steel and is designed to house an I/P converter with components mounted on a printed circuit board. The enclosure contains two interference fit sinters which allow pressure transfer to and from the enclosure. The enclosure also incorporates two threaded flamepaths, one between the main housing and the cover and one between the main housing and a separately certified cable gland.

The model number system is as follows:

NT 30AB-05-CDEFGHH

A = 0 (None)

B = 0 (Aluminium with stainless steel label)
1 (Stainless Steel)
2 (Aluminium with mylar label)

C = 2 (Standard BAR/PSI/KPA stainless with brass wetted parts)
4 (BAR/PSI/KPA stainless with stainless wetted parts)
6 (KG/CM2/PSI stainless with brass wetted parts)
8 (KG/CM2/PSI stainless with stainless wetted parts)
9 (None)

D = S (Buna N Flurosilicon -40 to 185 °F / -40 to 85 °C)
V (Vton -20 to 185 °F / -29 to 85 °C)
E (EPDM -40 to 185 °F / -40 to 85 °C)

E = N (1/2 ” NPT)
M (M20)

F = 1 (Non-vented)
2 (Vented)

G = W (White)
B (Black)
F (Food Grade White)
S (No paint Stainless Steel)

HH = Any alpha numeric designation indicating special options.

Australian/New Zealand
Certification Scheme for
EXPLOSION-PROTECTED ELECTRICAL EQUIPMENT
ANZEx Scheme

Certificate of Conformity

Certificate No.: **ANZEx 06.3041**	Issue No.: **1**	Date of Issue: **29/03/2010**
	Issue No.: **0***	Date of Issue: **12/12/2006**

CONDITIONS OF CERTIFICATION:
None.

DOCUMENTS:

Document Number	Document Title	Revision	Date
87607	Flame Arrestor - ϕ .633,.375 LG., I/P Module	3	4/29/03
87608	Flame Arrestor - ϕ .508,.375 LG., I/P Module	3	4/29/03
089583	Detail, Flame path, I/P Module	2	4/04/03
137545 (Sheets 1 & 2)	Housing, NT3000	7	9/05/03
139736	Housing, NT3000. Stainless Steel	5	3/18/05
141216	Nameplate, NT 3000 EExia, Exn, Exd SAA	3	7/26/06
163418	Housing, I/P NT3000 M20X1.5 Conduit Thread	2	3/02/00
164399	Casting, Cover, NT3000 Transducer	4	3/30/04
164400	Cover – NT3000 Transducer	6	3/30/04
166778	Cover, NT3000, Stainless Steel	3	3/18/05
217214	Assy, NT3000 Transducer, Certification	0	11/10/03

Schedule of Variations

Variations Permitted by Issue 1

1. The name of the Applicant and Manufacturer has been changed from “Flowserve Corporation” to “Flowserve US Inc”.
2. The material of the nameplate label has been changed.

Condition of Certification Relating to Issue 1
None.

Australian/New Zealand

Certification Scheme for

EXPLOSION-PROTECTED ELECTRICAL EQUIPMENT

ANZEx Scheme

Certificate of Conformity

Certificate No.: **ANZEx 06.3041**	Issue No.: **1**	Date of Issue: **29/03/2010**
	Issue No.: **0***	Date of Issue: **12/12/2006**

Drawings Relating to Issue 1

Document Number	Document Title	Revision	Date
225306	Nameplate, NT3000, Explosion Proof, Ex ia, Ex n, Ex d, ANZEx, NT3002-05 Plastic Sticker	2	16/03/2009