

MANITOBA

DEPARTMENT OF LABOUR
AND IMMIGRATION
500 - 401 York Avenue
Winnipeg, Manitoba R3C 0P8



STATUTORY DECLARATION REGISTRATION OF FITTINGS

(a) Design Qualification

I, Darwin Gentile (See Note 2)
Chief Engineer
(Position e.g.: president, plant manager, chief eng.)
of Engineered Controls International, Inc.
(Name of company)
located at 100 Rego Drive, Elon, North Carolina USA 27244
(Plant Address)

do solemnly declare that the fittings listed hereunder, which are subject to the Boilers & Pressure Vessels Act,

☒ comply with all the requirements of the ANSI/ASME codes as to their dimensions.
or

are not covered by the provisions of the ANSI/ASME codes, and are therefore constructed to comply with
code or standard, and are designed to the best-current
engineering practice, as shown by the supporting test data.

(b) Quality Control of Manufacture

I further declare the manufacture of these fittings is controlled by a quality control program which complies with the requirements of ISO 9001, and has been verified by the following authority or authorized agency Underwriters Laboratories, Inc.

The fittings covered by this declaration, for which I seek registration, are C Type Fittings

In support of the application, the following information, calculations and/or test data are attached:

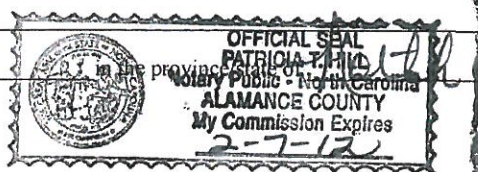
Rego Product Catalogue L-500

Declared before me at Elon

day of April AD 20 10

A (commissioner for oaths)

Patricia L. Hill



Darwin Gentile the 7th
Darwin Gentile
Signature of Declarer

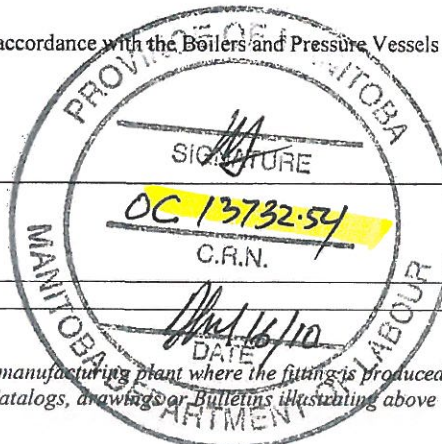
(For Official Use Only)

The application is accepted for registration in Category _____ in accordance with the Boilers and Pressure Vessels Act and CSA Standard B51.

This registration must be revalidated after ten (10) years from the date of acceptance.

Registered Number CRN _____ For the Chief Inspector

Date: _____



Notes:

- (1) This form shall be completed and signed by the president or highest official in the manufacturing plant where the fittings are produced.
- (2) Two completed copies of Statutory Declaration form together with two copies of Catalogs, drawings or Bulletins illustrating above fittings shall be submitted.
- (3) All fittings are required to be registered in the name of the Manufacturer.



Labour and
Immigration

Mechanical and Engineering

www.gov.mb.ca/labour/safety/mechanic
500 - 401 York Avenue
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April 19, 2010

MAY 03 2010
EB

Anric Enterprises Inc.
701 Evans Avenue Suite 202
Toronto, ON
M9C 1A3

Attn: Alicia Czerniawski

Dear Sir/Madam:

ANR-9431

RE: REGISTRATION OF VALVES AND FITTINGS
(ENGINEERED CONTROLS INTERNATIONAL INC.)

The design for the following Valves/Fittings received by us have been examined and accepted for registration in the Province of Manitoba as follows. Manitoba's CRN is designated by the digit 4 following the decimal point.

DRAWINGS/CATALOGUE#	CRN #	FILE #	FEES
6016, AA6016, 6024, AA6024, 6010, AA6010	OC13732.54	29765	\$70.00

Enclosed is our invoice in the amount of \$70.00. Please remit this amount within ten (10) days to complete registration. One copy of your catalogues/drawings bearing the Departmental Registration Stamp is enclosed. If only one copy was submitted to the Department, we will retain that copy. Please note that this Registration expires ten (10) years from date shown on the Stamped copy of the Statuary Declaration form.

It is the responsibility of the owner or his agent to comply with the codes. The Department of Labour assumes no responsibility by registering designs, examining plans, and/or inspecting equipment or facility.

If you have any questions regarding this registration, please let me know.

Yours truly,

Madhav Sinha, PhD; P.Eng.
Chief, Engineering & Quality Programs

Manitoba
GOVERNMENT

Company: Engineered Control International Inc.

Fitting Category: C (check valves / shutoff valves)

Engineered Controls International, Inc. has Underwriters Laboratory (UL) Quality Management System.

Their Emergency Shut off Valves are designed per Underwriters Laboratory Standard UL-125 Flow Control Valves for Anhydrous Ammonia and LP-Gas, Section 18. UL-125 requires series of tests for Shut-off valves.

The valves for LP-Gas and Anhydrous Ammonia valves (with prefix AA) have identical designs (i.e. 6016 ~ AA6016; 6024 ~ AA6024; 6010 ~ AA6010). The difference between the Anhydrous Ammonia valves and the LP-Gas valves are as follows

1. The rubber compounds used in the Anhydrous Ammonia valves are Nitrite (Buna N) and the rubber compound used in the LP-Gas valves are Viton (for high temperature applications)
2. The bushing in the Anhydrous Ammonia valve is Rulon and the bushing in the LP-Gas Valve is brass.

Everything else is exactly the same between LP-Gas and Anhydrous Ammonia valves, therefore the test are only performed for one model.

The material used in the castings for these valves is Ductile Iron per ASTM A395 Grade 60-40-18. ECII buys the certified material from the vendor. Please see an example of material certification for detail.

Scope of Registration:

#	ECII Model	Size	Wall Thickness	Design Pressure
1	6016 (LP-Gas)	2"	0.37"	400psi
2	AA6016 (NH ₃)	2"	0.37"	400psi
3	6024 (LP-Gas)	3"	0.375"	400psi
4	AA6024 (NH ₃)	3"	0.375"	400psi
5	6010 (LP-Gas)	1 1/4 "	0.375"	400psi
6	AA6010 (NH ₃)	1 1/4 "	0.375"	400psi

