



# Certificate of Compliance

**Certificate:** 70177763 **Master Contract:** 162037  
**Project:** 80207778 **Date Issued:** 2024-08-30  
**Issued to:** Barksdale, Inc.  
3211 Fruitland Ave.  
Los Angeles, California 90058  
United States  
**Attention:** Chet Saharaja

*The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US or with adjacent indicator 'US' for US only or without either indicator for Canada only.*



**Issued by:**  
Michael Bodish  
Michael Bodish, Project Engineer  
II

## PRODUCTS

Class 3315 04 NATURAL GAS VEHICLE (NGV) - Fuel System Components

Class 3315 84 NATURAL GAS VEHICLE (NGV) - Fuel System Components-Certified to U.S. Standards

Model(s)	-T6 (Connector)	-16 (Pressure Range)	-G	-P9 (Process Connection)	-P (accuracy; monolithic only)	-Z1 (additional features)
BT3 (1-5VDC, 1-3.88 VDC		Min. 1 to Max. 5,000 psi See table for specifications	PSI – Sealed Gage Pressure	1/4" NPT, Male; 7/16-20 SAE #4 ORB, Male; 3/4-16 UNF-2A (SAE #8 ORB, Male)	±0.5% FSO	See below
BT4 (0.5 to 4.5 VDC Ratiometric Output)		Min. 1 to Max. 5,000 psi See table for specifications	PSI – Sealed Gage Pressure	1/4" NPT, Male; 7/16-20 SAE #4 ORB, Male; 3/4-16 UNF-2A (SAE #8 ORB, Male)	±0.5% FSO	See below
BT5 (4-20 mA)		Min. 1 to Max. 5,000 psi See table for specifications	PSI – Sealed Gage Pressure	1/4" NPT, Male; 7/16-20 SAE #4 ORB, Male; 3/4-16 UNF-2A (SAE #8 ORB, Male)	±0.5% FSO	See below



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Notes:

**- Connector Descriptions**

-H3	PVC Shielded & jacketed #24 AWG cable (1 meter)
-H4	Subminiature DIN connector (DIN 43650/EN 175301-803, TYPE C)
-T4	M12 (4 Pin) connector
-T5	Standard DIN connector (DIN 43650/EN 175301-803, TYPE A)
-T6	Aptiv/Delphi Metripack 150 Series Connector
-D3	3 Pin Deutsch Connector - DT04-3P
-D4	4 Pin Deutsch Connector - DT04-4P

**- Pressure Range**

PSI	Pressure Range
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0-1 PSI	-27
0-5 PSI	-25
0-7 PSI	-38
0-15 PSI	-01
0-25 PSI	-39
0-30 PSI	-21
0-36 PSI	-40
0-50 PSI	-03
0-60 PSI	-22
0-87 PSI	-41
0-100 PSI	-04
0-150 PSI	-05
0-200 PSI	-06



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0-230 PSI	-42
0-300 PSI	-07
0-360 PSI	-43
0-500 PSI	-08
0-580 PSI	-44
0-725 PSI	-45
0-870 PSI	-46
0-1,000 PSI	-10
0-1,500 PSI	-11
0-2,000 PSI	-12
0-2,300 PSI	-47
0-3,000 PSI	-13



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0-3600 PSI	-48
0-4,000 PSI	-14
0-5,000 PSI	-15

#### **Additional Features**

##### -Z1

0 Custom Voltage Output

-01 = 1-6 VDC

-02 = 0.5 – 4.5 VDC (Non-Ratiometric)

-03: 0 - 6 VDC

-04: 0 - 10 VDC

-05: 1 - 10 VDC

-06: 1 -11 VDC

-08: 0 - 5 VDC

-09: 0.5 - 5.5 VDC

-10: 0.2 – 10 VDC

##### (A)

Custom length of Free leads; available on cable version

-A = +6 ft cable

-B = +10 ft cable

-C = +15 ft cable

-D = Consult Factory.

##### S1-S999



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**Special pressure ranges:**

Q1 – Q999

Customer and proprietary options

- Monolithic devices only
- Device has not been evaluated for underbody use
- Operating Temperature Range: -40°F to 185°F

**APPLICABLE REQUIREMENTS**

CSA/AM CSA/ANSI NGV 3.1:20+Upd.1 (Fourth Edition) - Fuel system components for compressed natural gas powered vehicles - Fourth Edition; Includes Addendum A; Update No. 1: March 2022



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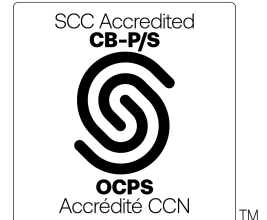
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**Notes:**

Products certified under Class(es) C331504 have been certified under CSA's ISO/IEC 17065 accreditation with the Standards Council of Canada (SCC). [www.scc.ca](http://www.scc.ca)



Products certified under Class(es) C331584 have been certified under CSA's ISO/IEC 17065 accreditation with the American National Standards Institute (ANSI). [www.ansi.org](http://www.ansi.org)





## *Supplement to Certificate of Compliance*

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*The products listed, including the latest revision described below,  
are eligible to be marked in accordance with the referenced Certificate.*

### **Product Certification History**

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<b>Project</b>	<b>Date</b>	<b>Description</b>
80207778	2024-08-30	Add new BTx model series to certificate 70177763. Remove the 623T4-15-Q22 from certificate 70177763. New models in certificate 70177763 are certified to the requirements of CSA/ANSI NGV 3.1:20.
80061468	2020-11-20	Update leakage testing and M&P plan in certificate 70177763.
000070177763	2018-05-16	Original certification of model 623-T4-16-Q22 to the requirements of ANSI NGV 3.1-2014 • CSA 12.3-2014.