



# Descriptive Report and Test Results

**MASTER CONTRACT:** 189101  
**REPORT:** 1065769  
**PROJECT:** 80059932

- Edition 1:** 2000-03-14; Report No. 1065769 - Cleveland  
Issued by Andris Udris; Reviewed by Trevor W. Perera
- Edition 2:** 2000-03-14; Project No. 2500 011054 - Cleveland Issued by Andris Udris;  
Reviewed by Trevor W. Perera
- Edition 3:** 2002-05-17; Project 1323024 - Cleveland  
Issued by Matthew Medlen; Reviewed by Trevor Perera
- Edition 4:** 2002-07-25; Project 1345409 - Cleveland  
Issued by Matthew Medlen; Reviewed by Trevor Perera
- Edition 5:** 2002-08-26; Project 1335429 - Cleveland  
Issued by Matthew Medlen; Reviewed by Trevor Perera
- Edition 6:** 2003-01-17; Project 1398855 - Cleveland  
Issued by Matthew Medlen; Reviewed by Trevor Perera
- Edition 7:** 2003-02-19; Project 1409212 - Cleveland  
Issued by Matthew Medlen; Reviewed by Trevor Perera
- Edition 8:** 2003-04-21; Project 1431727 - Cleveland  
Issued by Matthew Medlen; Reviewed by Trevor Perera
- Edition 9:** August 24, 2016; Project 70092367 – Cleveland  
Issued by Russell Dworzniak, Reviewed by James Sekerak
- Edition 10:** December 13, 2018; Project 70207907 – Cleveland, Issued by Bob Greene ; Reviewed by Trevor Perera  
Added Drawings: 29, 30-(1-2), 31 and 32-(1-2)
- Edition 11:** January 21, 2020; Project 80026091 – Cleveland, Issued by Bob Greene; Reviewed by John Kristoff-Kichka Added Drawings: 33-(1-7), 34-(1-10), 35 – 52, 53-(1-2), 54-(1-2), 55-(1-2), 56-(1-2), 57-(1-2) and 58-(1-2)
- Edition 12:** November 24, 2020; Project 80059932 – Cleveland, Prepared By: Bob Greene; Authorized By: James Sekerak Replaced Drawings: 19-(1-2), 22, 26 and 30-(1-2)

Report pages reissued

This report shall not be reproduced, except in full, without the approval of CSA Group.

8501 East Pleasant Valley Road, Cleveland, OH, U.S.A. 44131-5575  
Telephone: 216-524-4990 1.800.463.6727 Fax: 216-642-3463 www.csagroup.org

Contents:

- Certificate of Compliance - Page 1
- Supplement to Certificate of Compliance - Page 1
- Description and Tests - Pages 1 to 13
- Att1 M and P test Plan - Pages 1 to 3
- Att2 Figures - Pages 1 to 58

**PRODUCTS**

3302-01 COMBINATION CONTROLS - Part I

<b>Model Number</b>	<b>Inlet Size</b>	<b>Outlet Size</b>
<b>For Use With Natural and Propane Gases</b>		<b>Trade Name: CP</b>
LOG-22700 (1, 3, 6, 7, 9, 37, 38, 39, 40, 44, 45, 67, 70)		3/8
LOG-22700 (71)		1/2

3302-81 COMBINATION CONTROLS - Part I - Certified to US Standards

<b>Model Number</b>	<b>Inlet Size</b>	<b>Outlet Size</b>
<b>For Use With Natural and Propane Gases</b>		<b>Trade Name: CP</b>
LOG-22700 (1, 3, 6, 7, 9, 37, 38, 39, 40, 44, 45, 67, 70)		3/8
LOG-22700 (71)		1/2

**APPLICABLE REQUIREMENTS**

ANSI Z21.78-2010•CSA 6.20-2010 (R2020)                      Combination Gas Controls For Gas Appliances

## **MARKINGS**

The manufacturer is required to apply the following markings:

- Products shall be marked with the markings specified by the particular product standard.
- Products certified for Canada shall have all Caution and Warning markings in both English and French.



Additional bilingual markings not covered by the product standard(s) may be required by the Authorities Having Jurisdiction. It is the responsibility of the manufacturer to provide and apply these additional markings, where applicable, in accordance with the requirements of those authorities. The products listed are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US (indicating that products have been manufactured to the requirements of both Canadian and U.S. Standards) or with adjacent indicator 'US' for US only or without either indicator for Canada only.

All markings shall be in accordance with the requirements of the local regulatory authorities and related standards.

### **Markings stamped or printed onto the valve body:**

- Name, trademark, or symbol of the manufacturer or listee - “Cp”
- Model designation or other positive means for identification (Family and model) – “LOG 22700”

### **Markings printed onto the label:**

- Symbol of the organization making the tests for compliance with the standard – “”
- Maximum operating pressure of 1/2 psi (3.5 kPa). – “1/2 P.S.I.”
- Direction of gas flow, “”.

### **Nameplate adhesive label material approval information:**

Adhesive Layers:

- (1) Aluminum - Fasson (Holland)
  - Aluminum – AL.99.98 F14 DIN 1788
- (2) Lacquer coat - Fasson (Holland)
  - Vinile
- (3) Ink – GMAN (Switzerland)
  - Trade Mark: Citoket
- (4) Plastic Film - Fasson (Holland)
  - Polpropilen
- (5) Adhesive - Fasson (Holland)
  - Acrylic S-695

All markings in compliance with the applicable requirements are found on descriptive report pages 003 and 004.

## **ALTERATIONS**

No Alterations

**FACTORY TESTS**

The submitter shall use a program to qualify raw materials, parts, assemblies, and purchased components.  
*See Figure No. 1 (Manufacturing & Production Test Plan)*

The submitter shall ensure that the following factory tests are conducted at the frequency specified and the results are documented and made available for review by CSA field services representatives:  
*See Figure No. 1 (Manufacturing & Production Test Plan)*

<u>Test</u>	<u>Frequency</u>
Leakage (2.4.1 and 2.4.2) - at room temperature Pass/Fail Criteria <ul style="list-style-type: none"> <li>• The combination control shall not leak externally at a rate in excess of 200 cubic centimeters per hour when tested with clean air at 21.0 inches water column pressure, with all of the valves in the control in the open position and the manual valve in the “off”, “pilot” and “on” positions.</li> <li>• Leakage through the control when any one valve is in the closed position as a result of normal operation shall not exceed 235 cc/hr when tested with clean air at 2.0 and 21.0 inches water column pressure applied at the inlet.</li> </ul>	100%
For a thermoelectric device, pull-in current and drop-out current (2.5.4) Pass/Fail Criteria <ul style="list-style-type: none"> <li>• The pull-in current, as applicable, and the dropout current shall be within the manufacturer’s specified values.</li> </ul>	100%
Strength and deformation (2.3.1 and 2.3.2) Pass/Fail Criteria <ul style="list-style-type: none"> <li>• The control shall be capable of operation without cracking, breaking or leaking while being subjected to a bending moment of 10 pounds for 15 minutes in four different positions, separated by 90°, around the horizontal inlet axis. The control shall then comply with the leakage test 2.4.1 and 2.4.2 except at room temperature and shall be examined for deformation and breakage.</li> <li>• The control shall be capable of withstanding without deformation, breakage or leakage, a turning effort of 125 inch-pounds for 15 minutes. The control shall then comply with the leakage test 2.4.1 and 2.4.2 except at room temperature and shall be examined for deformation and breakage.</li> </ul>	Annually
Leakage (2.4.1 and 2.4.2) Pass/Fail Criteria <ul style="list-style-type: none"> <li>• The combination control shall not leak externally at a rate in excess of 200 cubic centimeters per hour when tested with clean air at 21.0 inches water column pressure, with all of the valves in the control in the open position and the manual valve in the “off”, “pilot” and “on” positions.</li> <li>• Leakage through the control when any one valve is in the closed position as a result of normal operation shall not exceed 235 cc/hr when tested with clean air at 2.0 and 21.0 inches water column pressure applied at the inlet.</li> </ul>	Annually
Capacity (2.7) Pass/Fail Criteria <ul style="list-style-type: none"> <li>• The capacity of a control shall not be less than 10,000 Btu/hr at a pressure drop equal to 1.0 inch water column.</li> </ul>	Annually
Low temperature operating effort of manual valves (2.8.1) Pass/Fail Criteria <ul style="list-style-type: none"> <li>• The manual valve closing torques shall not exceed 20 inch-pound when subjected to 10 openings and closings at the manufacturer’s specified minimum operating temperature.</li> </ul>	Annually
Continued operation (2.8.2)	Annually

Pass/Fail Criteria

- 2.8.2 The manual valves shall withstand 10,000 cycles of opening and closing and at the end of the required number of cycles of operation shall comply with 2.4.1 and 2.4.2 and shall completely open and close on application of a torque of 20 inch-pounds.

Excessive supply pressure (2.11)

Annually

Pass/Fail Criteria

- The control shall operate as intended after each function has been subjected to an excessive inlet pressure of 2-1/2 psi. From the before and after curves, P6-1 shall be within  $\pm 50\%$  of P5-1, P6-2 shall be within  $\pm 40\%$  of P5-2, P6-3 shall be within  $\pm 30\%$  of P5-3, P6-4 shall be within  $\pm 20\%$  of P5-4 and T6 shall not exceed the greater of 110% of T5 or T5 plus 5 seconds. After 1 second of gas flow, the outlet pressure shall not exceed 120% of P6-SS and after 4 seconds of gas flow, the outlet pressure shall be at least 0.2 inches water column. The control shall comply with 2.4, 2.12.1 and 2.12.2 at room temperature only and shall comply with 2.13.1 at the calibration point only with the change in calibration not to exceed  $\pm 5^\circ\text{F}$   $\pm 2.5^\circ\text{F}$  or 2.5% of the temperature adjustment range.

Strength of stops (2.16)

Annually

Pass/Fail Criteria

- The stop limiting the extreme of movement of a knob, lever, handle used to make the appliance operational or shut the appliance down shall withstand a torque and/or force of 30 inch-pounds or 30 pounds without damage which could defeat the purpose of the stop or cause the control not to operate.

The submitter shall ensure that the following factory tests are conducted at the frequency specified and the results are documented and made available for review by CSA field services representatives:

**SPECIAL INSTRUCTIONS FOR FIELD SERVICES**

1. Component descriptions marked with either the "(INT)" or "(INT\*)" identifiers may be substituted with other components providing the requirements specified under the notes in the "Description" are complied with.
2. This certification does not extend to the substitution of materials or changes in the construction or composition of products, nor factory location without prior written authorization.
3. No special instructions for Field Services.

**COMPONENT SPECIAL PICKUP**

1. Component descriptions marked with the identifier "(CT)" are subject to annual pickup and Conformity Testing.
2. No component special pickup required

## DESCRIPTION

### Notes:

1. Component Substitution
  - a) Critical components (those identified by mfr name, cat no), which are NOT identified with either "INT" or "INT\*" are not eligible for substitution without evaluation and report updating
  - b) The term "INT" means a "Certified" and/or "Listed" (or a "Recognized" and/or "Accepted") component may be replaced by one "Certified" and/or "Listed" by another certification organization accredited by the appropriate accreditation body or scheme requirements to the correct standard, for the same application; providing the applicable country identifiers are included and requirements in item "d" below are complied with.
  - c) The Term "(INT\*)" means a "Recognized" and/or "Accepted" component may be replaced by a component that is CSA Certified. The applicable country identifiers shall be included, the requirements in item "d" below as well as any "conditions of suitability" for the component (as recorded in this descriptive report) shall be complied with;
  - d) Components which have been substituted, must be of an equivalent rating, configuration (size, orientation, mounting) and the applicable minimum creepage and clearance distances are to be maintained from live parts to bonded metal parts and secondary parts.
  - e) Substitution of a "Certified" and/or "Listed" component with a component that is "Recognized" or "Accepted" is not permitted without evaluation and report updating.
  - f) Substitution of a "Recognized" and/or "Accepted" component by one that is not CSA Certified is not permitted without a proper evaluation as well as a report update because the Conditions of Acceptance of the original component may be different than the Conditions of Acceptance of the substitute component.

## MODEL NUMBER BREAKDOWN

LOG-22700 Basic Model

Suffix Designation

- /1 Knob Positions (0 = Off, 1 = Pilot, 2 = Pilot + Burner)
- 16 Similar to 11 , except Knob Positions 1 & 2 combined to "Pilot + pushing Pilot and releasing Burner + Pilot"
- /3 Similar to /1, except for longer spindle
- 17 Similar to 13, except for location of inlet connect10n
- /37 Similar to /7 except for pilot outlet position
- /38 Similar to /37 except for knob position and thermocouple threads (M8xl) Similar to /38 except for - Pilot center line went from 2.55mm to 1.78mm Similar to the /37
- /139 except with thermocouple threads of 11/32-32 UNS
- 140
- /9 is similar to /3 except for longer spindle
- /45 is similar to /40 except for longer spindle, knob position, thermocouple thread M10 X 1 and no pilot outlet
- /67 is similar to /7 except for thermocouple thread M8 X 1, which is the same as LOG 22700/38
- /70 is similar to /44 except for outlet 1 orifice size at 50° shaft turn Ø3,25
- /71 is similar to /70 except for inlet and outlets are 1/2-14 NPT female threads, pilot is 7/16-24 UNS-2B female threads, thermocouple thread is M9 X 1, OFF position is at 0°, pilot at 90°, Maximum and pilot at 180°. Safety magnet pull in current ≤ 220 mA and drop out current ≥ 50 mA.

## **SPECIFICATIONS**

Mounting Position: Upright only

Ambient Operating

Temperature Range: 32°F to 300°F

Rated Inlet Pressure: 112 psi

Flow Capacity: 100,000 Btu/hr (Based on a 1000 Btu per cubic foot gas with a specific gravity of 0.64 at a pressure drop of 1.0 in. w.c.)

### **THERMOELECTRIC DEVICE**

Hold-In Current: Drop-Out Current: 200 mA (minimum)  
60 mA to 185

### **LOG22700/071**

Hold-In Current:  $\leq 220$  mA

Drop-Out Current:  $\geq 50$  mA

Coil Resistance: 16 mn to 18 mn

Ignition Source: Continuous

### **MANUAL VALVE**

Sealing Means: Plug

Lubricant: Staburags N32 Kluber, Castro Braycote Inertox 240-2, Castro Braycote Inertox 500-2

### **ACCESSORY TYPE**

Safety Shutoff Device and Manual Valve

**REPORT INDEX**

PART/DRAWING NO.	REV.	PAGE NO.	DESCRIPTION
722		1	Combination Control Photo Sheet
22 700/1		2	Combination Control Assembly
22 700/1 I F-4867		3	Standard Marking
F-1360		4	Date Code Marking
		5	Material List
F-1955-3	3	6	Magnet Unit Securing Nut
E-3451-4	4	7	Magnetic Unit
E-3603-2	2	8	Cap
F-2274-3 I F-4689	3/0	9	Shaft Assembly I Knob
F-4682 I F-4029-2	0/2	10	Knob I Shaft
F-2272-4	4	11	Spring
F-4574		12	Sleeve
F-1810-7 I F-2816-1	7/1	13	Washer I "O"-Ring
4234		14	Plug
E-4233		15	Plug -Turning
E-3739		16	Plug -Machined
F-6150-7 I F-6382-1	7/1	17	By-Pass Screw/"O"-Ring
BD-2290		18	Body -Machined
08706509	L.0	19-(1-2)	CUERPO ESTAMPADO 22700 (Body – Casting)
BLANK		20	BLANK
BLANK		21	BLANK
80865685	G.1	22	Model LOG 22700 /37
808 65382		23	Model LOG 22700 /38
808 65391		24	Model LOG 22700 /39
80865408		25	Model LOG 22700 /40
08702905	D	26	Magnetic Assembly
V003-03		27	Model LOG 22700 Operation
80865444		28	Model LOG 22 700/44
80865097	F	29	LOG 22700/009-HU
68002426	1	30	LOG 22700/045-RP
80865676	A	31	LOG 22700/067-HU
80865701	B	32-(1-2)	LOG 22700/067-HU
Technical Report	-	33-(1-7)	LOG22700/071 Multifunctional Valve with Thermoelectric Flame Supervision for Gas Heating
68001599	A	34-(1-10)	LOG22700/071 Assembly Mechanical Drawings and Bills of Materials
9100-46	4	35	Grupos Electromagneticos (Magnet Assembly)
LOG22700071001	A	36	LOG22700/071 Body Mechanical Drawing
CUERPO	01	37	Body Material (Brass - CuZn40Pb2)
5325...	02	38	BOLAS (DIN 5401) (BALL BEARINGS)
087LOGGR0180	A	39	PLUG ASSEMBLY
537802	A	40	Cabeza Empujador (Brass – CuZn39Pb3) (Pushing Head)
087LOGGR01	A	41	Plug (CuZn39Pb3)
3015...	01	42	Junta Toricas (Orings)
2004...	01	43	Arandelas (Wahers)
08266002	A	44	Resorte (Spring)



**REPORT INDEX**

PART/DRAWING NO.	REV.	PAGE NO.	DESCRIPTION
538507	01	45	Empujador (Cu Zn39 Pb3) (Pusher)
Repaired_339030080	-	46	Sub. Ta Pa-Perno-Pasador
2310301	-	47	Perno LOG (Cu Zn39 Pb3) (Cap Screw)
054000	01	48	PASADOR (BARRETTE)
TAPA - 1	01	49	Top (Cu Zn40 Pb2) Mechanical Drawing 1
TAPA - 2	02	50	Top (Cu Zn40 Pb2) Mechanical Drawing 2
053800	01	51	Pasador (Barrette - clip)
1075...	01	52	Tornillo (Screw)
NG-5162CO0191	18.04.2018	53-(1-2)	Castro Braycote Inertox 240-2 Grease
NG-5162BT0243	18.04.2018	54-(1-2)	Castro Braycote Inertox 500-2 Grease
DG-5112CO0093	26.06.2018	55-(1-2)	S60R00E Elastomer Sealing Material
NG-5146AU0399	30.04.2015	56-(1-2)	Loxal 55-03 - ( Anerobic Sealant)
NG-5112CT0123	24.04.2018	57-(1-2)	VMQ 70 Red "S60R00E" - Elastomer Sealing Material
PHOTOS	-	58-(1-2)	LOG22700/071 Multifunctional Valve with Thermoelectric Flame Supervision for Gas Heating

**TEST HISTORY**

Project 70092367

ANSI Z21.78-2005•CSA 6.20-2005 *Combination Gas Controls For Gas Appliances*

Part I. Construction

Part II. Performance

	<u>Section:</u>	<u>Test:</u>
2.1		General No test this section
2.2		Test Gases and Pressures -Extend to Project 1065769
2.3		Strength and Deformation -Extend to Project 1065769
2.4		Leakage
2.5		Electrical Characteristics -Extend to Project 1065769
2.6		Mounting for Test -Extend to Project 1065769
2.7		Capacity -Extend to Project 1065769
2.8		Manual Valve Function -Extend to Project 1065769
2.9		Pressure Regulator Function; DNA, not a pressure regulator
2.10		Automatic Valve Function -Extend to Project 1065769
2.11		Resistance to Permanent Damage at Excessive Supply Pressure Extend to 1065769
2.12		Automatic Ignition Components; DNA, not an automatic ignition
2.13		Thermostatic Function; DNA, not a thermostat
2.14		Automatic Gas Shutoff Device Function; DNA, not an automatic gas shutoff
2.15		Main Gas Electric Shutoff Switch; DNA, not a electrical shutoff
2.16		Strength of Stop -Extend to Project 1065769

Project 70092367

Satisfactory results were obtained for the following tests of combination gas control valve LOG-22700 (1, 3, 6, 7, 37, 38, 39, 40, 44) Family.

Manufacturing location change for Model LOG-22700 (1, 3, 6, 7, 37, 38, 39, 40, 44) Series requires construction evaluation and hi/low temperature leak check testing (cert 1065769). Incorporating a plug type manual burner valve and a manual reset type thermoelectric safety shutoff valve: Test Data on file at CSA Group in Cleveland, Ohio, U.S.A.

Part I. Construction

Section: Test:

2.4 Leakage

Project 70207907

No testing required. Add LOG 22700/9, LOG 22700/45, LOG 22700/67 and LOG 22700/70 Combination Controls to Report no. 1065769. Add new drawings: 80865097 (LOG 22700/009-HU – Rev. F) – CSA #29, 80865453 (LOG 22700/045 – Rev. I) – CSA #30, 80865676 (LOG 22700/067-HU – Rev. A) – CSA #31 and 80865701 (LOG 22700/070 – Rev. B) – CSA #32. Addresses FIR report – Trip no. ESP02Q3 (see 261087-181001\_en\_iPAD.PDF file) dated Oct 01, 2018.

ANSI Z21.78 Part I. Partial Construction

Part II. Performance

- 2.1 General – No tests in this section
- 2.2 Test Gases and Pressures – No tests in this section
- 2.3 Strength and Deformation – Extend from previously certified products – Report no. 1065769
- 2.4 Leakage – Extend from previously certified products – Report no. 1065769
- 2.5 Electrical Characteristics – Extend from previously certified products – Report no. 1065769
- 2.6 Mounting for Test – No tests in this section
- 2.7 Capacity – Extend from previously certified products – Report no. 1065769
- 2.8 Manual Valve Function – Extend from previously certified products – Report no. 1065769
- 2.9 Pressure Regulator Function – DNA – Control doesn't have a pressure regulator function
- 2.10 Automatic Valve Function – Extend from previously certified products – Report no. 1065769
- 2.11 Resistance to Permanent Damage at Excessive Supply Pressure – Extend from previously certified products – Report no. 1065769
- 2.12 Automatic Ignition Components – DNA – Not an automatic ignition
- 2.13 Thermostat Function – DNA – Control doesn't have a thermostat function
- 2.14 Automatic Gas Shutoff Device Function – DNA – Control doesn't have an automatic gas shut-off device
- 2.15 Main Gas Electrical Shutoff Switch – DNA – Control doesn't have a main gas electrical shut-off switch
- 2.16 Strength of Stops – Extend from previously certified products – Report no. 1065769
- 2.17 Marking Material Adhesion and Legibility – Extend from previously certified products – Report no. 1065769
- 3.1 - 3.3 Manufacturing And Production Tests – Extend from previously certified products – Report no. 1065769

Project 80026091

Tests were conducted at CSA Cleveland Laboratory. The actual test data results are maintained in Documentum. A complete construction review performed with satisfactory results. Testing was conducted on a representative model of LOG22700/071 combination control, which consists of a manually operated gas valve (plug-type, push to turn counter clockwise) and a thermoelectric safety device. Inlet and outlets are 1/2-14 NPT female threads, pilot is 7/16-24 threads, pilot is 7/16-24 UNS-2B female threads, thermocouple thread is M9 X 1, OFF position is at 0°, pilot at 90°, Maximum and pilot at 180°. Safety magnet pull in current  $\leq 220$  mA and drop out current  $\geq 50$  mA. The body is CuZn40Pb2 and the plug is CuZn39Pb3. New drawings to be added to the report are dwgs. 33-(1-7), 34-(1-10), 35 – 52, 53-(1-2), 54-(1-2), 55-(1-2), 56-(1-2) and 57-(1-2).

Satisfactory results were obtained on the following tests:

**ANSI Z21.78 • CSA 6.20 Combination Gas Controls For Gas Appliances**

Part I. Construction

Part II. Performance

2.1 General - No tests in this section

2.2 Test Gases and Pressures - No tests in this section

2.3 Strength and Deformation – Extend from Project no. 80008115

2.4 Leakage

2.4.1 External Leakage

2.4.2 Internal Leakage

2.4.3 Manual Valve Seals – Extend from Project no. 80008115

2.5 Electrical Characteristics – Extend from Project no. 80008115

2.6 Mounting for Test - No tests in this section

2.7 Capacity

2.7.1 Capacity at room temperature

2.7.2.a Capacity at minimum temperature

2.7.2.b Capacity at maximum temperature

2.8 Manual Valve Function

2.8.1 Low Temperature Operating Effort

2.8.2 Continued Operation – Main valve - (1000 cycles @ room temperature and 1000 cycles @ maximum temperature for total of 4000 cycles)

2.8.3 Adequacy of Seating Means – DNA – does not have non-displaceable valve members

2.9 Pressure Regulator Function - DNA – Control doesn't have a pressure regulator function

2.10 Automatic Valve Function – Extend from Project no. 80008115

2.11 Resistance to Permanent Damage at Excessive Supply Pressure – Extend from Project no. 80008115

2.12 Automatic Ignition Components – Extend from Project no. 80008115

2.13 Thermostat Function – DNA - Control doesn't have a thermostat function

2.14 Automatic Gas Shutoff Device Function - DNA – Control doesn't have an automatic gas shut-off device

2.15 Main Gas Electrical Shutoff Switch - DNA - Control doesn't have a main gas electrical shut-off switch

2.16 Strength of Stops – Extend from Project no. 80008115

2.17 Marking Material Adhesion and Legibility – Extend from Project no. 80008115

3.1-3.3 Manufacturing And Production Tests – Extend from Report no. 1065769

Project 80059932

No testing required. All information related to the evaluation is maintained in Sharepoint. A partial construction review performed with satisfactory results. Update report no. 1065769 for FIR Follow-ups, Copreci S. Coop Ltda., FC#261087 - FIR report – (Trip no. ESP02Q2) dated Oct 03, 2019, FIR report – (Trip no. ESP02Q3) dated Nov 25, 2019 and FIR report – (Trip no. ESP02Q1) dated Jun 01, 2020. All changes in drawings - Drawings replaced: 19-(1-2), 22. 26 and 30.

**ANSI Z21.78 • CSA 6.20 (R2020) Combination Gas Controls For Gas Appliances**

Part I. Partial Construction

Part II. Performance

2.1 General - No tests in this section

2.2 Test Gases and Pressures - No tests in this section

2.3 Strength and Deformation - Extend from previously certified products – Report no. 1065769

2.4 Leakage - Extend from previously certified products – Report no. 1065769

2.5 Electrical Characteristics - Extend from previously certified products – Report no. 1065769

2.6 Mounting for Test - No tests in this section

2.7 Capacity - Extend from previously certified products – Report no. 1065769

2.8 Manual Valve Function - Extend from previously certified products – Report no. 1065769

2.9 Pressure Regulator Function - DNA – Control doesn't have a pressure regulator function

2.10 Automatic Valve Function - Extend from previously certified products – Report no. 1065769

2.11 Resistance to Permanent Damage at Excessive Supply Pressure - Extend from previously certified products – Report no. 1065769

2.12 Automatic Ignition Components - Extend from previously certified products – Report no. 1065769

2.13 Thermostat Function – DNA - Control doesn't have a thermostat function

2.14 Automatic Gas Shutoff Device Function - DNA – Control doesn't have an automatic gas shut-off device

2.15 Main Gas Electrical Shutoff Switch - DNA - Control doesn't have a main gas electrical shut-off switch

2.16 Strength of Stops - Extend from previously certified products – Report no. 1065769

2.17 Marking Material Adhesion and Legibility - Extend from previously certified products – Report no. 1065769

3.1-3.3 Manufacturing And Production Tests - Extend from previously certified products – Report no. 1065769

---End of Report---