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This listing is subject to re-examination in one year.

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CSI: DIVISION: 22 00 00—PLUMBING  
Section: 22 09 00—Instrumentation and Control for Plumbing

### Product certification system:

The ICC-ES product certification system includes testing samples taken from the market or supplier's stock, or a combination of both, to verify compliance with applicable codes and standards. The system also involves factory inspections, and assessment and surveillance of the supplier's quality system.

Product: Water Temperature Limiting Devices

Listee: Chicago Faucet Co.  
2100 S. Clearwater Drive  
Des Plaines, IL 60018  
[www.chicagofaucets.com](http://www.chicagofaucets.com)

### Compliance with the following codes:

2024, 2021, 2018, 2015, 2012 and 2009 *International Plumbing Code*® (IPC)  
2024, 2021, 2018, 2015, 2012 and 2009 *International Residential Code*® (IRC)  
2024, 2021, 2018, 2015, 2012 and 2009 *Uniform Plumbing Code*® (UPC)\*  
2022 and 2017 *Uniform Illustrated Plumbing Code*® - India (UIPC-I)\*  
2020, 2015, 2010 and 2005 *National Plumbing Code of Canada*\*\*

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\*\* National Plumbing Code of Canada is a copyrighted publication of National Research Council Canada

### Compliance with the following standards:

ASSE 1070/ASME A112.1070/CSA B125.70-2020, Performance Requirements for Water Temperature Limiting Devices  
ASME A112.18.1 / CSA B125.1-2018, Plumbing Supply Fittings  
NSF/ANSI/CAN 61-2023, Drinking Water System Components – Health Effects

### Identification:

Water temperature limiting devices shall be marked permanently, legibly, and visible after installation with the following:

- The manufacturer's recognized name, trademark, or other mark; or
- In the case of private labeling, the name, trademark, or other mark of the customer for whom the fitting was manufactured.
- Markings indicating the hot and cold water inlet ports;
- Markings that indicate the means to change the outlet temperature setting; and
- The ICC-ES PMG listing mark

Packaging shall be marked with:

- a) The manufacturer's recognized name, trademark, or other mark; or
- b) In the case of private labeling, the name, trademark, or other mark of the customer for whom the fitting was manufactured as well as the model number; and
- c) The model number

Installation:

Water temperature limiting devices shall be accompanied with the manufacturer's instructions for their installation, operation, adjustment, setting the limit stop, and maintenance. The device shall be installed in accordance with the manufacturer's instructions and the applicable code.

The manufacturer's minimum rated flow for water temperature limiting devices (other than those integral to plumbing supply fittings that have a maximum flow rate) will be specified in the manufacturer's literature.

For water temperature limiting devices integral to supply fittings with a maximum flow rate, the literature will include a statement confirming that the outlet flow control must be serviced with only the manufacturer's recommended flow control.

When the maximum water temperature specified by the manufacturer is less than 49 °C (120.0°F) at the outlet of the device, the lower temperature will be stated in the manufacturer's literature.

Model:

These models are rated for a minimum flow rate of 0.35 gpm (1.32 L/min).

Model Number	Description
131-ABXX	brass body thermostatic mixing valve with 3/8" compression fittings with integral inlet check valves
131-CABXX	brass body thermostatic mixing valve with 3/8" compression fittings with integral inlet check valves 3/8" compression tee inlet connection for cold water bypass feature 3/8" compression angle outlet connection for convenient hot water hook-up
131-FMABXX	brass body thermostatic mixing valve with 3/8" compression fittings with integral inlet check valves Pipe Flush Mode for high temperature system flushing used in thermal disinfection
131-CFMABXX	brass body thermostatic mixing valve with 3/8" compression fittings with integral inlet check valves 3/8" compression tee inlet connection for cold water bypass feature 3/8" compression angle outlet connection for convenient hot water hook-up Pipe Flush Mode for high temperature system flushing used in thermal disinfection
131-XX	brass body thermostatic mixing valve with 3/8" compression fittings with integral inlet check valves
131-CXX	brass body thermostatic mixing valve with 3/8" compression fittings with integral inlet check valves 3/8" compression tee inlet connection for cold water bypass feature 3/8" compression angle outlet connection for convenient hot water hook-up

<u>Suffix "XX"</u>	<u>Description</u>
NF	No Finish
RCF	Rough Chrome Finish
CP	Chrome Plated
MP	Master Pack

**410-T and 420-T Series = Temperature Limiting Faucets**

The following models comply with both ASME A112.18.1/CSA B125.1 and ASSE 1070/ASME A112.1070/CSA B125.70

Modular configuration, the following codes can be added to the above models to designate final design of the fitting.

These models are rated for a minimum flow rate of 0.35 gpm (1.32 L/min).

410-TaabcdABefand 420-TaabcdABef

aa = Thermostatic Cartridge:

- 41 Maximum Water Temp 41°C (106°F)
- 45 Maximum Water Temp 45°C (113°F)

b = Flow Rate/Pattern:

- E39 0.35 gpm Spray
- E39VP 0.35 gpm Spray
- E2605 0.5 gpm Spray
- E2805 0.5 gpm Spray
- E60VP 0.5 gpm Laminar
- E66VP 0.5 gpm Laminar
- E70 0.5 gpm Laminar
- E26 1.0 gpm Spray
- E28 1.0 gpm Spray
- E64VP 1.0 gpm Laminar
- E74 1.0 gpm Laminar
- E15 1.5 gpm Spray
- E34 1.5 gpm Aerated
- E34VP 1.5 gpm Aerated
- E37 1.5 gpm laminar
- E37VP 1.5 gpm laminar
- E62VP 1.5 gpm Laminar
- E12 2.2 gpm Aerated
- E12VP 2.2 gpm Aerated
- E32 2.2 gpm Laminar
- E32VP 2.2 gpm Laminar

c = Pop Up Drain:

- PO Pop Up drain included

d = Master Pack:

- MP

e = Finish:

- CP Polished Chrome

f = Handle:

- 717 Long S/L Handle

*WWG: A prefix of "WWG" may be added for private labeling purposes*

**EQ Series or ELR Series = Temperature Limiting Faucets**

The following models comply with both ASME A112.18.1/CSA B125.1 and ASSE 1070/ASME A112.1070/CSA B125.70

Modular configuration, the following codes can be added to the above models to designate final design of the fitting

EQ-aa bc-de fg hh\_i or ELR-aa bc-de fg hh\_i

- aa = Spout
- b = Mounting
- c = Flow rate/Pattern
- d = Power
- e = Mix
- fg = Potable
- hh = Finish
- i = Communication

Spout - aa

- A1 Lav Curved or Round, Cast Brass
- B1 Lav Angular, Cast Brass
- C1 GN, Cast Brass
- D1 Lav Curved or Round, Cast Zinc
- A2 Lav Curved or Round, Cast Brass, ext mix
- C2 GN, Cast Brass, ext mix

Mounting - b

- 1 Single Hole
- 2 4 inch deck plate
- 3 8 inch deck plate

- E1 Lav Cast Brass, Lig Resist
- R1 Lav Arc Cast Brass

Flow Rate/Pattern - c

- A 0.5 gpm spray
- B 1.0 gpm aerated flow
- C 0.35 gpm spray (SSPS)
- D 0.35 gpm spray
- E 1.0 gpm Laminar
- F 1.5 gpm Laminar
- G 0.35 gpm & 0.5 gpm (A+D)
- H 0.5 gpm Laminar

Power - d

- 1 DC –primary battery
- 2 DC-SSPS
- 3 AC-plug in power supply (package)
- 4 AC-less power supply (package)
- 5 AC-Hardwire power supply (package)
- 6 DC - LTPS - Long Life Battery

Mix - e

- 3 Internal-1070 (below deck)
- 5 User mix-1070 (above deck handle)

Potable - fg

- AB Potable Fitting

Finish - hh

- CP Polished Chrome
- BN Brushed Nickel

Communication - i

- T Bluetooth

**EVR Series** = Modular configuration, the following codes can be added to the above models to designate final design of the fitting

EVR-aa bc-de fg hh<sub>i</sub>

aa = Spout

- A1 Lav, Cast Brass
- B1 Lav, Cast Brass BAA

b = Mounting

- 2 4 inch deck

c = Flow Rate/Pattern

- A 0.5 gpm spray
- B 1.0 gpm aerated flow
- C 0.35 gpm spray (SSPS)
- D 0.35 gpm spray
- E 1.0 gpm Laminar
- F 1.5 gpm Laminar
- G 0.35 gpm & 0.5 gpm (A+D)
- H 0.5 gpm Laminar

d = Power

- 1 DC –primary battery
- 2 DC-SSPS
- 3 AC-plug in power supply (package)
- 4 AC-less power supply (package)
- 5 AC-Hardwire power supply (package)
- 6 DC - LTPS - Long Life Battery

fg = Potable

- AB Potable Fittings

e = Mix

- 3 Internal-1070 (below deck)

hh = Finish

- CP Polished Chrom
- BN Brushed Nickel

i = Communication

- T Bluetooth

**E80 Series** = Temperature Limiting Faucets

The following models comply with both ASME A112.18.1/CSA B125.1 and ASSE 1070/ASME A112.1070/CSA B125.70

Modular configuration, the following codes can be added to the above models to designate final design of the fitting

**E80-aa bc-deABff g**

**E80-A11A-17ABSPL** LAV FAUCET, ELECTRONIC, DC, 1070 MIXER

- aa = Spout
- b = Mounting
- c = Flow rate/Pattern
- d = Power
- e = Mix
- AB = Low Lead
- ff = Finish
- g = Communication

Spout - aa  
A1 Lav Round, Cast Brass

Mounting - b  
1 Single Hole

Flow Rate/Pattern - c  
A 0.5 gpm spray  
D 0.35 gpm spray  
E 1.0 gpm Laminar  
F 1.5 gpm Laminar  
H 0.5 gpm Laminar

Power - d  
1 DC - primary battery  
4 AC - less power supply (package)  
6 DC - LTPS - Long Life Battery

Mix - e  
7 1070 Thermostatic mix

Finish - ff  
CB Chrome Black  
CP Polished Chrome  
MB Matte Black  
MC Modern Chrome  
BN Brushed Nickel

Communication - g  
T Bluetooth

*Note: Suffix "MP" may be added to designate Master Pack  
WWG: A prefix of "WWG" may be added for private labeling purposes*

**8453 Series = Temperature Limiting Faucets**

The following models comply with both ASME A112.18.1/CSA B125.1 and ASSE 1070/ASME A112.1070/CSA B125.70

Modular configuration, the following codes can be added to the above models to designate final design of the fitting

8453-aa bc-de fg hh i

aa = Spout  
b = Mounting  
c = Flow rate  
d = Power  
e = Mix  
fg = Low Lead  
hh = Finish  
i = blank

Spout - aa  
F1 EyeWash Spout

Mounting - b  
1 Single Hole

Flow Rate/Pattern - c  
J 2.2 gpm

Power - d  
1 DC - primary battery  
4 AC - less power supply (package)  
6 DC - LTPS - Long Life Battery

Mix - e  
3 1070 Thermostatic mix

Low Lead - fg  
AB Low Lead

Finish - hh  
CP Polished Chrome

**AEQ Series = Modular configuration, the following codes can be added to the models to designate final design of the fitting**

**AEQ - aa bc - de fg hh i**

aa = Spout  
B1 ALENTO Lav Square  
P1 AVISIO Lav Gooseneck

b = Mounting  
1 Single Hole

c = Flow Rate/Pattern  
A 0.5 gpm spray

d = Power  
1 DC - primary battery  
2 DC - SSPS

<u>e = Mix</u>	3	AC - plug in power supply	
3	Internal-1070 (below deck)	6	DC - LTPS - Long Life Battery
5	User mix-1070 (above deck handle)		

fg = Potable  
 AB Potable Fittings

hh = Finish  
 CP Polished Chrome  
 MB Matt Black

i = Communication  
 T Bluetooth

**HyTronic Series**

116.780.AB.1T	HyTronic PCA-INT MIX-DC-TRAD- 131
116.781.AB.1T	HyTronic PCA-INT MIX-LTPS- TRAD- 131
116.782.AB.1T	HyTronic PCA-EXT MIX-DC- TRAD- 131
116.783.AB.1T	HyTronic PCA-EXT MIX-LTPS- TRAD- 131
116.784.AB.1T	HyTronic PCA-INT MIX-DC- TRAD- 131F
116.785.AB.1T	HyTronic PCA-INT MIX-LTPS- TRAD- 131F
116.786.AB.1T	HyTronic PCA-EXT MIX-DC- TRAD- 131F
116.787.AB.1T	HyTronic PCA-EXT MIX-LTPS- TRAD- 131F
116.788.AB.1T	HyTronic PCA-INT MIX-DC- TRAD- 131CP
116.789.AB.1T	HyTronic PCA-INT MIX-LTPS- TRAD- 131CP
116.790.AB.1T	HyTronic PCA-EXT MIX-DC- TRAD- 131CP
116.791.AB.1T	HyTronic PCA-EXT MIX-LTPS- TRAD- 131CP
116.792.AB.1T	HyTronic PCA-INT MIX-DC- TRAD- 131FCP
116.793.AB.1T	HyTronic PCA-INT MIX-LTPS- TRAD- 131FCP
116.794.AB.1T	HyTronic PCA-EXT MIX-DC- TRAD- 131FCP
116.795.AB.1T	HyTronic PCA-EXT MIX-LTPS- TRAD- 131FCP
116.796.AB.1T	HyTronic PCA-INT MIX-DC- TRAD- 131+STOP
116.797.AB.1T	HyTronic PCA-INT MIX-LTPS- TRAD- 131+STOP
116.798.AB.1T	HyTronic PCA-EXT MIX-DC- TRAD- 131+STOP
116.799.AB.1T	HyTronic PCA-EXT MIX-LTPS- TRAD- 131+STOP
116.806.AB.1T	HyTronic PCA-INT MIX-DC- TRAD- 131F+STOP
116.807.AB.1T	HyTronic PCA-INT MIX-LTPS- TRAD- 131F+STOP
116.808.AB.1T	HyTronic PCA-EXT MIX-DC- TRAD- 131F+STOP
116.809.AB.1T	HyTronic PCA-EXT MIX-LTPS- TRAD- 131F+STOP
116.810.AB.1T	HyTronic PCA-INT MIX-DC- TRAD- 131+STOP
116.811.AB.1T	HyTronic PCA-INT MIX-LTPS- TRAD- 131+STOP
116.812.AB.1T	HyTronic PCA-EXT MIX-DC- TRAD- 131+STOP
116.813.AB.1T	HyTronic PCA-EXT MIX-LTPS- TRAD- 131+STOP
116.814.AB.1T	HyTronic PCA-INT MIX-DC- TRAD- 131FCP+STOP
116.815.AB.1T	HyTronic PCA-INT MIX-LTPS- TRAD- 131FCP+STOP
116.816.AB.1T	HyTronic PCA-EXT MIX-DC- TRAD- 131FCP+STOP
116.817.AB.1T	HyTronic PCA-EXT MIX-LTPS- TRAD- 131FCP+STOP
116.880.AB.1T	HyTronic PCA-INT Mix-AC-TRAD-131
116.881.AB.1T	HyTronic PCA-INT Mix-EBPS-TRAD-131
116.882.AB.1T	HyTronic PCA-EXT MIX-AC- TRAD- 131
116.883.AB.1T	HyTronic PCA-EXT MIX-EBPS- TRAD- 131
116.884.AB.1T	HyTronic PCA-INT Mix-AC-TRAD-131F
116.885.AB.1T	HyTronic PCA-INT Mix-EBPS-TRAD-131F
116.886.AB.1T	HyTronic PCA-EXT MIX-AC- TRAD- 131F
116.887.AB.1T	HyTronic PCA-EXT MIX-EBPS- TRAD- 131F
116.888.AB.1T	HyTronic PCA-INT Mix-AC-TRAD-131CP
116.889.AB.1T	HyTronic PCA-INT Mix-EBPS-TRAD-131CP
116.890.AB.1T	HyTronic PCA-EXT MIX-AC- TRAD- 131CP
116.891.AB.1T	HyTronic PCA-EXT MIX-EBPS- TRAD- 131CP
116.892.AB.1T	HyTronic PCA-INT Mix-AC-TRAD-131FCP
116.893.AB.1T	HyTronic PCA-INT Mix-EBPS-TRAD-131FCP
116.894.AB.1T	HyTronic PCA-EXT MIX-AC- TRAD- 131FCP
116.895.AB.1T	HyTronic PCA-EXT MIX-EBPS- TRAD- 131FCP
116.896.AB.1T	HyTronic PCA-INT Mix-AC-TRAD-131+STOP
116.897.AB.1T	HyTronic PCA-INT Mix-EBPS-TRAD-131+STOP
116.898.AB.1T	HyTronic PCA-EXT MIX-AC- TRAD- 131+STOP
116.899.AB.1T	HyTronic PCA-EXT MIX-EBPS- TRAD- 131+STOP

**E-Tronic 40**

116.976.AB.1T	E-Tronic 40 with SSPS - 131-ABNF thermostatic mixing valve
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**LEF Series**

LEF-B21-01T Laboratory HyTronic Faucet – 131F  
 LEF-B31-01T Laboratory HyTronic Faucet – 131F

*WWG: A prefix of “WWG” may be added to any model for private labeling purposes*

**H Series** = Modular configuration, the following codes can be added to the above models to designate final design of the fitting.

**H-aa bc-de fg hh I**aa = Spout

C3 Contemporary  
 C4 Curve  
 E1 Edge  
 G1 Gooseneck  
 L1 Less Spout  
 T1 Traditional

b = Mounting

1 Single Hole  
 2 4-inch deck plate  
 3 8-inch deck plate  
 4 Wall Mount

c = Flow Rate/Pattern

A 0.5 gpm spray  
 B 1.0 gpm aerated flow  
 C 0.35 gpm spray  
 E 1.0 gpm Laminar  
 F 1.5 gpm Laminar  
 H 0.5 gpm Laminar  
 I 2.2 gpm  
 K 1.5 gpm FC  
 0 N/A Less Outlet

d = Power

1 DC –primary battery  
 2 DC-SSPS  
 3 AC-plug in power supply (package)  
 4 AC-less power supply (package)  
 5 AC-Hardwire power supply (package)  
 6 DC - LTPS - Long Life Battery  
 7 DC – EBPS - Battery

e = Mix

3 Internal-1070 (below deck)  
 5 User mix-1070 (above deck handle)

fg = Potable

AB Potable Fittings

hh = Finish

CP Polished Chrome  
 BN Brushed Nickel

i = Communication

T Bluetooth

## Conditions of Listing:

1. The Chicago Faucet Company models recognized in this listing must be installed in accordance with the manufacturer’s published installation instructions and the applicable codes.
2. The Chicago Faucet Company products recognized in this listing are under a quality control program with annual surveillance inspections by ICC-ES.