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ULC/ORD-C404-74 (R2018)

GUIDE FOR THE INVESTIGATION OF GAUGES, INDICATING PRESSURE FOR COMPRESSED GAS SERVICE

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GUIDE FOR THE INVESTIGATION OF GAUGES, INDICATING PRESSURE FOR COMPRESSED GAS SERVICE

ICS 13.240; 23.060.40; 75.180.01; 75.200; 23.020.35

First Edition . . . . . **September 1974**
REAFFIRMED . . . . . MAY 2018

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GUIDE FOR THE INVESTIGATION OF GAUGES, INDICATING PRESSURE FOR COMPRESSED GAS SERVICE

PREFACE

This is the First Edition of the Other Recognized Document for Guide For The Investigation Of Gauges, Indicating Pressure For Compressed Gas Service, ULC/ORD-C404-74 (R2018).

Only metric SI units of measurement are used in this ORD. If a value for measurement is followed by a value in other units in parentheses, the second value may be approximate. The first stated value is the requirement.

In Canada, there are two official languages, English and French. All safety warnings must be in French and English. Attention is drawn to the possibility that some Canadian authorities may require additional markings and/or installation instructions to be in both official languages.

This First Edition ORD has now been Reaffirmed.

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In Replying Please Refer to ULC Subject C404-1974

GUIDE

FOR

THE INVESTIGATION OF

GAUGES, INDICATING PRESSURE

FOR COMPRESSED GAS SERVICE

GENERAL

1. Scope

1.1 These requirements cover indicating pressure gauges of the elastic element type usually employed in the high-pressure side of regulators or reducing valves used on compressed gas containers or cylinders of oxygen, hydrogen, nitrogen, and other gases. Such gauges usually have pressure ranges of 0 - 1500, 0 - 2000, 0 - 3000, or 0 - 4000 pounds per square inch (psi).

CONSTRUCTION

2. General

2.1 The assembly and design of pressure gauges with regard to location of pressure connections, type of pressure connections, size of pressure connections, stop pins, outside diameters of shells and rings, outside diameters of cases, dial figures, graduations, and indicating pointers shall conform to the requirements for gauges in the Standard for Gauges - Pressure and Vacuum, Indicating Dial Type - Elastic Element, ANSI B40.1.

2.2 In addition to the foregoing, the following requirements for original calibration and accuracy, and calibration and accuracy following subjection to over-pressures and extended operation, as well as hazards attendant to bursting tests, shall apply.

3. Sizes

3.1 The nominal size of a gauge as enclosed in a cylindrical case, shall be the inside diameter of the case in inches measured at the face of the dial.

3.2 The nominal size of a gauge shall be not less than 1-1/2 inches.

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