

SERIES T-20 AND TF-20 LIQUID LEVEL GAGES

from

JERGURSON GAGE AND VALVE COMPANY

15 ADAMS STREET

BURLINGTON, MASSACHUSETTS 01803

SERIAL NO. 24074.1
(6072)

MAY 22, 1974



Factory Mutual Research

1151 Boston-Providence Turnpike
Norwood, Massachusetts 02062



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I INTRODUCTION

1.1 Jerguson Gage and Valve Company requested approval of their Series T-20 and TF-20 Liquid Level Gages for use with flammable liquids; and, with special gasketing, for use with anhydrous ammonia.

1.2 These gages are similar to the Series R-20 gages examined and described in Report No. 11919-S1 of March 21, 1955, and further described in Report No. 24072 of September 10, 1973.

1.3 The ratings for these gages are 450 psig at 100°F or 250 psig at 400°F and are the same as were previously approved.

II DESCRIPTION (See Manufacturer's Brochure Attached)

2.1 The manufacturer's product identification is as follows:

T - Transparent
R - Reflex
F - Non-frosting
20 - Series number

2.2 The Series T-20 gage is shown on the same manufacturing drawing as the previously approved Series R-20 gage. It shares the same gaskets, cushions and front cover. Other parts are different by design but the pressure and temperature ratings are the same as stated in paragraph 1.3.

2.3 The non-frosting feature (designated-F) for low temperature operation is achieved by the addition of a clear plastic extension held to the face of the glass by the cover.

2.4 Series T-20 and TF-20 gages when constructed with JM-78 cushion and gasket material are acceptable for use with anhydrous ammonia service as described in Report No. 24074 of September 10, 1973.

III EXAMINATION

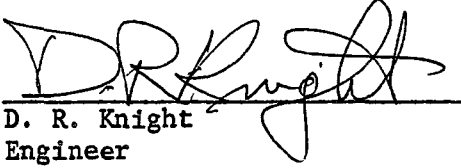
Drawing No. F20-40 for the Series 20 non-frosting gages and Drawing No. 20-40 covering Series T-20 and R-20 gages were submitted. Examination showed them to be similar to previously approved gages and therefore satisfactory.

IV CONCLUSION


These liquid level gages meet Factory Mutual approval requirements. Approval is effective when the Manufacturer's Agreement is signed and returned to Factory Mutual.

DRK/jf

EXAMINATION AND REPORT BY:


D. R. Knight
Engineer

APPROVED BY:


A. C. Miller
Chief Fuels Engineer

ATTACHMENT:

Brochure 20M-8-68