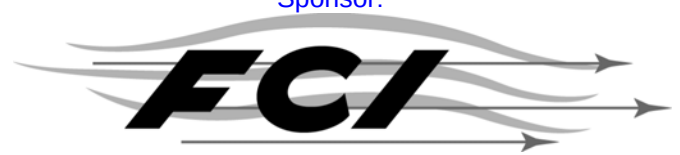

FLUID CONTROLS INSTITUTE STANDARD

STANDARD TERMINOLOGY AND DEFINITION FOR FILLED THERMAL SYSTEMS FOR REMOTE SENSING TEMPERATURE REGULATORS

Fluid Controls Institute, Inc.

Sponsor:



Fluid Controls Institute, Inc.
1300 Sumner Ave
Cleveland, Ohio 44115-2851

FCI 70-1-1993 (R2012)

FLUID CONTROLS INSTITUTE STANDARD
**Standard Terminology and Definition for
Filled Thermal Systems of Remote
Sensing Temperature Regulators**

Sponsor

Fluid Controls Institute, Inc.

AVADocuments.com

The Fluid Controls Institute is a non-profit trade association of manufacturers of fluid control and conditioning equipment. The FCI is dedicated to the technical advancement of the industry that it serves. The members of the institute have developed standards to help users/purchasers understand and specify correctly Fluid Controls Institute scope products. FCI standards are voluntary standards, and their existence does not in any respect preclude anyone, whether he has approved the standard or not, from manufacturing, marketing, purchasing or using products, processes, or procedures not conforming to the standards. Fluid Controls Institute standards are subject to periodic review and users are cautioned to obtain the latest editions.

CAUTION NOTICE:

This Fluid Controls Institute standard may be revised or withdrawn at any time. The procedures of the Fluid Controls Institute require that action be taken to reaffirm, revise, or withdraw this standard no later than five years from the date of publication. Purchasers of FCI standards may receive current information on all standards by calling or writing the Fluid Controls Institute.

Sponsored and published by:
FLUID CONTROLS INSTITUTE, INC.
1300 Sumner Avenue
Cleveland, OH 44115-2851
Phn: 216/241-7333
Fax: 216/241-0105
E-Mail: fci@fluidcontrolsinstitute.org
URL: www.fluidcontrolsinstitute.org

Copyright © 2012, 1999, 1993 by Fluid Controls Institute, Inc.
All Rights Reserved

No part of this publication may be reproduced in any form, in an electronic retrieval system or otherwise, without the prior written permission of the publisher.

Suggestions for improvement of this standard will be welcome. They should be sent to the Fluid Controls Institute, Inc.

Printed in the United States of America

Foreword	v
1. Scope and Purpose	1
2. Terminology and Definitions	1-2
3. References and Acknowledgment.....	2

FIGURES

Figure 1 - Filled Thermal Systems for Remote Sensing Temperature Regulator	3
Figure 2 - Vapor Pressure Thermal System Class IIA.....	4
Figure 3 - Vapor Pressure Thermal System Class IIB.....	5
Figure 4 - Vapor Pressure Thermal System Class IIC.....	6
Figure 5 - Plain Bulb	7
Figure 6 - Union Connected	7
Figure 7 - Sensitive, Immersion and Insertion Lengths	8
Figure 8 - Union Connected Bulb Assembly and Bulb and Well Assembly with Lagging Extension	8

Foreword (The foreword is included for information only and is not part of FCI 70-1-1993 (R2012), *Standard Terminology and Definition for Filled Thermal Systems of Remote Sensing Temperature Regulators*.)

The following voluntary standard has been formulated by the Regulator Section of the Fluid Controls Institute, Inc. to assist and guide the manufacturers, specifiers and users of filled thermal systems of remote sensing temperature regulators.

FCI recognizes the need to periodically review and update this standard. Suggestions for improvement should be forwarded to the Fluid Controls Institute, Inc., 1300 Sumner Avenue, Cleveland, Ohio, 44115-2851. All constructive suggestions for expansion and revision of this standard are welcome.

The existence of a Fluid Controls Institute (FCI) standard does not in any respect preclude any member or non-member from manufacturing or selling products not conforming to this standard nor is the FCI responsible for its use.

Please go to the FCI web site for all of the latest technical articles and standards.

FCI 70-1-1993 (R2012)