



NATIONAL PETROCHEMICAL COMPANY
STANDARDS

MATERIAL STANDARD
FOR
TEMPERATURE GAUGES

NPCS-MS-IN-18

REVISION : 0

JUNE 1992



CONTENTS

- 1 GENERAL
- 2 DESIGN AND CONSTRUCTION
- 3 NAMEPLATE
- 4 TESTING
- 5 ENVIRONMENTAL CONDITIONS
- 6 SHIPPING
- 7 REJECTION

THIS DOCUMENT IS THE PROPERTY OF N.P.C. IT IS CONFIDENTIAL AND ALL RIGHTS RESERVED. TO THE OWNER NEITHER THE WHOLE NOR ANY PART OF THIS DOCUMENT MAY BE DISCLOSED TO ANY THIRD PARTY, REPRODUCED, STORED IN ANY RETRIEVAL SYSTEM OR TRANSMITTED IN ANY FORM OR ANY MEANS WITHOUT THE PRIOR WRITTEN CONSENT OF N.P.C.



1 GENERAL

1.1 SCOPE

1.1.1 This standard covers the minimum requirements for the design, materials, nameplate marking, testing and shipping of temperature gauges.

1.1.2 The related standards referred to herein and mentioned below shall be of the latest editions prior to the date of the Purchaser's Enquiry.

- ANSI B2.1 Pipe Threads.

- ANSI B16.5 Pipe Flanges and Flanged Fittings.

1.1.3 In the event of any conflict between this standard and data sheets, related standards, codes, etc., the vendor should refer the matter to the purchaser for clarifications and only after obtaining the same should proceed with the manufacture of the items in question.

1.1.4 Purchaser's data sheets shall indicate the materials for temperature element, movement, etc. However this does not absolve the vendor of the responsibility for proper selection of material for bulb, capillary, stem and thermowell against the fluid and its operating-conditions and informing the purchaser of any incompatibility.

1.2 BIDS

1.2.1 Vendor's quotation shall include a detailed specification sheet for each type of temperature gauge which shall provide all the de-tails regarding type, construction materials, etc. of the temperature gauge and its accessories.

1.2.2 All the units of measurement for various items in Vendor's specifications sheets shall be the same as those in purchaser's data sheets.

1.2.3 All the material specifications for various parts in the Vendor's specifications sheets shall be to the same standards as those followed in purchaser's data sheets.

1.2.4 Vendor shall attach a list of temperature gauges itemwise summing up all the deviations from the purchaser's data sheets if there are any. Also, vendor should provide reasons for these deviations wherever possible.

THIS DOCUMENT IS THE PROPERTY OF NPC. IT IS CONFIDENTIAL AND ALL RIGHTS RESERVED. TO THE OWNER NEITHER THE WHOLE NOR ANY PART OF THIS DOCUMENT MAY BE DISCLOSED TO ANY THIRD PARTY. REPRODUCED, STORED IN ANY RETRIEVAL SYSTEM OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM.