



NATIONAL PETROCHEMICAL COMPANY
STANDARDS

MATERIAL STANDARD
FOR
ROTAMETERS

NPCS-MS-IN-03

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1 GENERAL

1.1 SCOPE

- 1.1.1 This standard covers the minimum requirements for the design, materials, nameplate marking, testing and shipping of rotameters.
- 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 B 2.1. Pipe Threads.
 - ANSI B 16.5 Pipe Flanges and Flanged Fittings.
 - ANSI B 16.20 Ring Joint Gaskets and Grooves for Steel Pipe Flanges.
 - ISA RP 16.1,2,3 Terminology, Dimensions and Safety Practices for Indicating Variable Area Meters.
 - ISA RP 16.4 Nomenclature and Terminology for Extension Type Variable Area Meters.
 - ISA RP 16.6 Methods and Equipment for Calibration of Variable Area Meters.
- 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 indicate the rotameter's connection size, materials for float, tube and fittings, packing, etc. However, this does not absolve the vendor of the responsibility for proper selection with respect to the following:
- a) Sizing of the rotameter for the indicated service conditions.
 - b) Selection of suitable materials for all parts of the rotameter and its accessories for the fluid and its operating conditions.

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