



NATIONAL PETROCHEMICAL COMPANY
STANDARDS

MATERIAL STANDARD
FOR
POSITIVE DISPLACEMENT METERS
NPCS-MS-IN-05
REVISION : 0

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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 positive displacement flowmeters with their accessories.

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.
- NEC-NFPA 10 National Electrical Code.
- API 1101 Measurement of Petroleum Liquid Hydrocarbons Positive Displacement Meters.
- NEMA National Electrical Manufacturer's Association.
- CENELEC Comite European de Normialisation Electrotechnique.

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 materials for the body and trim of the positive displacement flowmeter, materials for the air eliminator, strainer, etc. However, this does not absolve the vendor of the responsibility for proper selection with respect to the following:

- a) Materials for all parts of the flowmeter and its accessories suitable for the indicated fluid and its operating conditions.
- b) Proper sizing of the flowmeter, air eliminator and strainer.

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