



NATIONAL PETROCHEMICAL COMPANY STANDARDS

MATERIAL STANDARD FOR SOLENOID VALVES NPCS-MS-IN-25 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 solenoid valves.

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.
- CENELEC Comite European de Normalisation Electrotechnique.
- NEC 500 Hazardous (classified) locations.
- IEC International Electrotechnical Commission.

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, trim, etc. of the valve. However, this does not absolve the vendor of the responsibility for proper selection of materials for various parts of the valve and its accessories, so as to be compatible with the fluid and its operating conditions.

1.2 BIDES

1.2.1 Vendor's quotation shall include a detailed specification sheet for each solenoid valve, wherein shall be provided all the details regarding type, construction materials for various parts, body and port size, etc. Vendor shall also provide all the calculations and graphs used to estimate orifice size and valve capacity.

1.2.2 All the uni-ts of measurement for various items in the vendor's specification sheets shall be to the same standards as those in purchaser's data sheets.