



NATIONAL PETROCHEMICAL COMPANY
STANDARDS

MATERIAL STANDARD
FOR
PRESSURE SWITCHES

NPCS-MS-IN-17

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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 pressure switches.

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.
- IEC-144 Degrees of Protection of Enclosures for Low Voltage Switchgear.
- NEC National Electrical Code.
- NFPA National Fire Protection Association.

1.1.3 In the event of any conflict between this standard and data sheets, related standard, 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 Vendor's extent of responsibility includes the following:

- a) To check and confirm that the indicated material for the pressure element is suitable for the fluid and its operating conditions.
- b) Selection of a suitable instrument to meet the operating pressure, set point and differential indicated.

1.2 BIDS

1.2.1 Vendor's quotation shall include a detailed specifications sheet for each pressure switch which shall provide all the details regarding type, construction materials, etc., of the pressure switch.

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