



NATIONAL PETROCHEMICAL COMPANY
STANDARDS

MATERIAL STANDARD
FOR
ELECTRICAL OPERATED VALVES

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REJECTION

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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 electrical motor operated 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.
- ANSI B 16.5 Pipe Flanges and Flanged Fittings.
- ANSI B16.20 Ring Joint Gaskets and Grooves for Steel Pipe Flanges.
- ISA Instrumentation Society of America.
- IEC International Electrotechnical Commission.
- CENELEC Comite European de Normalisation Electrotechnique.
- ASTM American Society of Testing and Materials.
- BS British Standards .
- NEMA National Electrical Manufacturer Association.

1.1.3 In the event of any conflict between this standard, data sheets, codes, etc., 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 material for body, tube material and element, etc. However, this does not absolve vendor of the responsibility for proper selection of materials for these parts and instrument accessories with respect to the fluid and its operating conditions.



1.2 BIDS

1.2.1 Vendor's quotation shall include a detailed specification sheets for each instrument wherein should be provided all the details regarding type, construction materials for body, tube material, element, etc., and details of transmitter, switch, accessories, etc., concerning each electrical motor operated valves.

1.2.2 All the units for various items in the vendor's specification 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 specification sheets shall be to the same standards as those followed in purchaser's data sheets, e.g. ASTM, BS, etc.

1.2.4 Vendor shall attach a list of electrical motor operated valves tag numberwise, summing up all the deviations from the purchaser's data sheets and general specifications, if there are any. Also vendor should provide reasons for these deviations wherever possible.

1.2.5 Vendor shall enclose catalogues given detailed technical specifications and other information for each type of motor operated valves covered in the bid.

1.2.6 Vendor's quotations, catalogues, drawings, operating and maintenance manuals, etc., shall be in the English language.

1.2.7 Vendor shall also quote for two years' operational spares for each electrical motor operated valve and its accessories.
Vendor shall also quote for any special tools needed for maintenance work.

1.2.8 Vendor shall also provide complete informations and details for grounding.

1.2.9 Vendor shall quote power consumption regarding supply voltage and frequency and type of coils connection.

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