

# **Indian Standard**

## **SPECIFICATION FOR WATER STILLS FOR PYROGEN-FREE DISTILLED WATER**

### **(Second Revision)**

#### **0. FOREWORD**

**0.1** This Indian Standard ( Second Revision ) was adopted by the Indian Standards Institution on 30 April 1979, after the draft finalized by the Hospital Sectional Committee had been approved by the Consumer Products and Medical Instruments Division Council.

**0.2** The use of water stills for production of pyrogen-free distilled water is becoming very common in hospitals, dispensaries and pharmacological laboratories. In this revision use of materials other than stainless steel have been deleted.

**0.3** The problem of explosion risk arising from anaesthetic vapours have not been taken into consideration on the understanding that the stills dealt with in this standard will be generally installed away from operation theatres. Installation of these stills in an operation theatre is not recommended.

**0.4** If the raw water for feeding to the still is hard, a water softening plant should be installed to soften the water before using it in the still.

**0.5** In order to get efficient performance, it is considered essential that the waterhead which serves the water still should be fixed at a height between 3 and 9 m.

**0.6** For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated, expressing the result of a test, shall be rounded off in accordance with IS : 2-1960\*. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

\*Rules for rounding off numerical values ( *revised* ).

**IS : 3830 - 1979**

**1. SCOPE**

**1.1** This standard covers water stills used for the production of pyrogen-free distilled water used in the preparation of injectible solutions.