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**Professional Standards of the People's
Republic of China (PRC)
中华人民共和国专业标准**

YY 91057-1999

**General Specifications for Medical Foot Switch
医用脚踏开关通用技术条件**

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General specifications for medical foot switch

The standards are appropriate for the foot switch and the product is used as the control circuit of a medical instrument product.

1.Type and basic parameters

1.1.The foot switch is divided into an ordinary type foot switch and a sealed type foot switch. The foot switch used for an operating room is the sealed type foot switch.

1.2.The operating voltage of the foot switch and the gap among contacts under the “opening” state of the switch shall meet regulations in Table 1.

Table 1

Voltage, V	Gap, mm
≤ 50	≥ 2
≤ 380	≥ 3
≤ 500	≥ 4

1.3.The structure, size and other parameters of the foot switch shall be regulated in product standards or design documents.

2.Technical requirements

2.1.The foot switch shall meet the requirements of the standards and manufactured according to drawings and documents approved by regulated procedures.

2.2.The foot switch shall have good spray-proof, splash-proof and waterproof performances and pass through a high-voltage holding test after passing through the following tests.

2.2.1.Ordinary type: spray-proof and splash-proof tests.

2.2.2.Sealed type: waterproof test.

2.3.If the high-frequency surgical equipment for the operating room adopts two foot switches, the “cutting” pedal must be on the left side and the “clotting” pedal must be on the right side based on the operator’s direction.

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