IS 18375 (Part 1): 2023 Electrically Powered Medical Suction Equipment

Electrically powered suction equipment in India is a crucial medical device used to remove fluids, debris, and obstructions from airways or surgical sites. These devices offer reliable suction power, essential during surgeries, emergencies, and intensive care, with adjustable suction levels for different patient needs.

It is designed for portability and durability, modern suction units feature high-efficiency motors, collection jars, vacuum regulators, and infection-control filters. Available in both portable and stationary models, they meet the specific demands of healthcare settings.

It is widely used in hospitals, clinics, and ambulances, these suction devices are vital for procedures like intubation, wound care, and airway clearance. Built to international quality standards, they ensure safety, hygiene, and consistent performance in critical medical environments.

IS 18375 (Part 1): 2023 sets standards for electrically powered medical suction equipment. It covers general design, material, and performance requirements, including protection against the ingress of solids and liquids. Suction equipment must meet IEC 60529 classification for ingress protection, with different standards for hospital, home healthcare, and field use. Remote foot switches must be watertight (IPX6) for safety. The Battery-powered suction devices are required to display charge status and operate continuously for at least 20 minutes, maintaining a vacuum level of 40 kPa and free air flow of 2 l/min. Power interruptions should not cause variations in the vacuum or air flow by more than ±10%. Additionally, equipment designed for field or transport use must meet extra requirements for durability and portability. For Manufacturers, providing detailed user instructions, including battery replacement and disposal information is must.

IS 18375 (Part 1): 2023 ensures that electrically powered suction equipment is safe, reliable, and suitable for various medical environments. By adhering to these standards, manufacturers can deliver high-quality devices that maintain performance during critical procedures while ensuring ease of use, safety, and durability for healthcare professionals and patients alike.