



IS 8423:1994 Controlled Percolating Hose for Fire Fighting

Firefighting is an intense and demanding operation, requiring durable and reliable equipment. **IS 8423:1994** defines the technical specifications for controlled percolating hoses used by firefighters. These hoses are uniquely designed to allow **controlled water seepage through the fabric**, reducing heat buildup caused by friction during operation and prolonging the hose's lifespan.

The standard outlines the use of **synthetic fibers and reinforced rubber linings**, which offer exceptional strength, flexibility, and resistance to wear. Hoses must meet **stringent requirements for burst pressure, kink resistance, and abrasion resistance**, ensuring they remain reliable under high-pressure conditions. Testing for durability in varying environmental conditions, including high temperatures, is mandatory.

The standard also includes maintenance and storage guidelines to preserve hose performance over time.

For end users, adhering to this standard means access to firefighting hoses that are robust, long-lasting, and efficient in suppressing fires. Whether you're a fire department procuring hoses or a manufacturer producing them, **IS 8423:1994 ensures better safety and operational reliability** in firefighting efforts.

