IS 9762: Specification for Polyethylene Floats (Spherical) for Float Valves

Polyethylene spherical floats for float valves are buoyant components used to regulate water flow in systems like tanks, reservoirs, and irrigation systems. Made from **polyethylene**, a durable, corrosion-resistant plastic, these floats are designed to float on the water surface, rising or falling with the water level.

As the float moves, it activates the **float valve**, opening or closing it to maintain the desired water level. Their **spherical shape** ensures stability and uniform buoyancy, while **corrosion and chemical resistance** ensure long-lasting performance. Polyethylene floats are **lightweight**, **low-maintenance**, and ideal for automatic water level control.

Customers expect **polyethylene spherical floats for float valves** to meet several key quality parameters, including **optimal buoyancy** for reliable valve activation and **durability** to withstand physical wear, UV exposure, and temperature fluctuations. The floats should offer **corrosion and chemical resistance** for long-lasting performance in water systems. They must be **lightweight** yet strong, with **precise size and shape** for proper valve function.

IS 9762 is an Indian standard that addresses customer expectations for **polyethylene spherical floats** used in **float valves** by ensuring the product meets key quality parameters. It specifies the use of **High Density Polyethylene** offering **chemical and UV resistance**, and ensuring **long-term performance** without degradation. The standard covers requirements related to leakage test, deflection and impact test thus ensuring precise **buoyancy** and **impact resistance**. It also mandates **size and shape consistency**, ensuring compatibility with valve systems.