

Application of F51 Material Ball Valve

A182 F51 duplex steel floating ball valve is widely used in the chemical industry due to its superior corrosion resistance, high strength and excellent durability. Its duplex stainless steel composition combines the advantages of austenitic and ferritic steels, providing exceptional resistance to pitting, stress corrosion cracking and chloride ion attack. This makes it particularly suitable for handling aggressive chemicals and corrosive environments commonly found in chemical processing plants. The floating ball design ensures reliable sealing performance, even under high pressure and temperature conditions, making it an ideal choice for maintaining safety and efficiency in critical chemical processes.