



TECHNICAL SPECIFICATION

TRIAD 700 SERIES RESILIENT SEATED BUTTERFLY VALVES 750/751

Resilient seated Butterfly Valves shall be series 700 manufactured by Triad Process Equipment.

Valve seats shall be available in PTFE, BUNA N, EPDM, VITON. The seat shall be of the cartridge design where the elastomer or elastomer backed PTFE is overlaid onto a phenolic backing and pressed into the body. The phenolic backed cartridge seat design shall provide a smooth disc to seat seal. The cartridge seat design shall offer lower operating torques and easier installation than common booted type butterfly valves. Booted style butterfly valves are not acceptable.

The valve stem is to be 410SS and supported by low friction nylatron bearings and triple sealed to prevent stem leakage. The valve stem shall be two-piece and attached to the disc where a square broached hole in the disc is engaged with a square mating stem. The valve stem attachment is more reliable than the pinned design. Pinned style disc attachments are not acceptable.

The valve disc shall be offered in CF8M stainless steel as standard. The leading edge of the disc shall be machined to promote smooth transition both in and out of the seat. The machined edge of the disc shall open and close without any bunching or tearing of the seat and promote low operating torques.

The valve body shall be made out of epoxy coated ductile Iron. The neck of the valve shall be extended to accommodate insulation. The valve body shall be capable of installation in dead end service, where the lug version can be attached at the end of a pipeline to a flange, and hold pressure without the use of a mating flange.

The valve shall be of the modern direct-mount actuator design with actuator flange and stem machined and drilled to the latest ISO 5211 standards. The valve shall incorporate this design to accept ISO 5211 actuators and eliminate the use of brackets.

The valve shall be manufactured and tested to MSS-SP-67 and API-609. The valve shall be compatible with both 125# and 150# flanges.