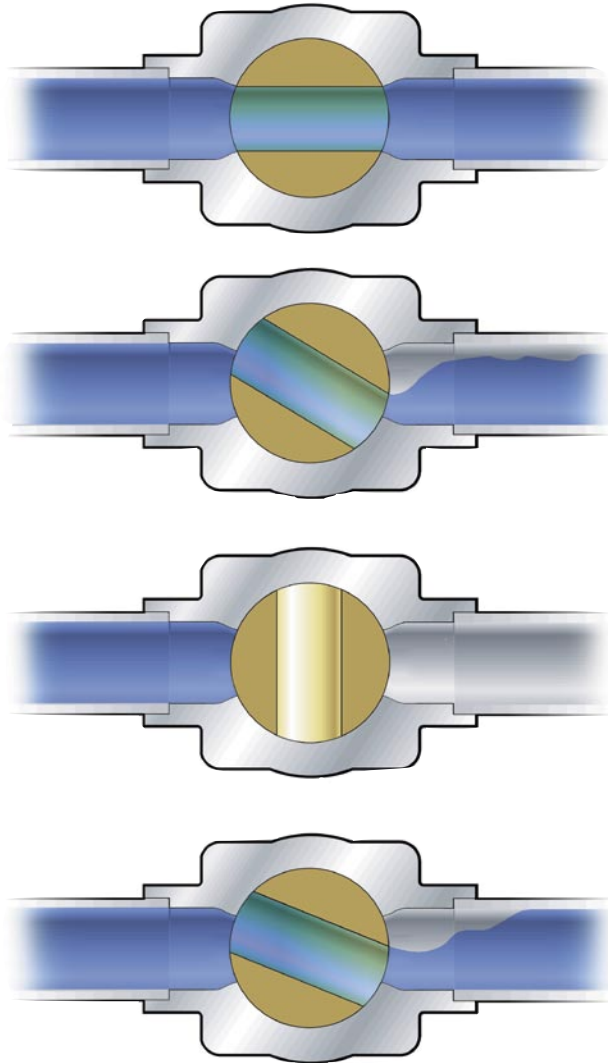




Nordstrom Seat Principles Lubricated Tapered Plug Valves



The strength of a Flowserve Nordstrom tapered plug is its seat design. The tapered metal surfaces of the plug and body are fitted together during manufacture using successive steps of turning, grinding and lapping. The result is a nearly perfectly mated metal-to-metal seating surface.

Rotating the plug to close the valve creates a positive shearing action between the body and plug. Nordstrom tapered plug valves are strong and resilient by design, and are capable of closing through large obstructions. The precisely fitted tapered mating surfaces ensure the residue is cleaned from the seat each time the valve is closed.

When closed, there is a 15 to 18 degree overlap between the body and the plug seats on both sides of the flow passage. This provides positive shutoff—even without sealant—and provides bubble-tight shutoff when properly lubricated.

When the valve is opened, metal seats resist erosion from the high-velocity flow through the valve. There are no soft seats to be damaged.

Full seat protection, positive shutoff, shearing action and precise fit make the Flowserve Nordstrom lubricated tapered plug the seat design of choice.



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